LEADERSHIP

ADMINISTRATIVE OFFICERS
Joshua Wynne, M.D., M.B.A., M.P.H.
Vice President for Health Affairs,
Dean, University of North Dakota
School of Medicine & Health Sciences

Laura Block, C.P.A., C.F.P., M.B.A.
Associate Dean for Administration and Finance/Chief
Operating Officer

Marc D. Basson, M.D., Ph.D., M.B.A., F.A.C.S.
Senior Associate Dean for Medicine & Research

Kimberly Becker, Ph.D.
Designated Institutional Official (DIO)
Director of Graduate Medical Education

A. Michael Booth, M.D., Ph.D.
Associate Dean, Southwest Campus, Bismarck

Patrick Carr, Ph.D.
Assistant Dean for Medical Curriculum

Cornelius “Mac” Dyke, M.D.
Associate Dean, Southeast Campus, Fargo

Scott E. Knutson, M.D.
Assistant Dean, Northwest Campus, Minot

Tom Mohr, PT, Ph.D.
Associate Dean for Health Sciences

James Porter, Ph.D.
Associate Dean for Student Affairs & Admissions

Kenneth Ruit, Ph.D.
Associate Dean for Education and Faculty Affairs

Judy Solberg, Ph.D., M.P.A.
Chief of Staff, Office of the Dean

Stephen Tinguely, M.D.
Assistant Dean for Medical Accreditation
Chief Medical Accreditation Officer

Richard Van Eck, Ph.D.
Associate Dean for Teaching and Learning

Donald Warne, M.D., M.P.H.
Associate Dean, Diversity, Equity & Inclusion
Director, Indians Into Medicine (INMED) Program Director,
Master of Public Health Program

Susan Zelewski, M.D.
Assistant Dean, Northeast Campus, Grand Forks

ADVISORY COUNCIL
David Molmen, M.P.H. (Chair)
Northeast Campus Representative

Joshua Wynne M.D., M.B.A., M.P.H. (Executive Secretary)
Vice President for Health Affairs and Dean

Thomas F. Arnold, M.D.
Southwest Campus Representative

Misty Anderson, D.O.
North Dakota Medical Association Representative

Gretchen Dobervich
North Dakota House of Representatives

Robert Erbele
North Dakota Senate

Brad Gibbens, M.P.A.
Acting Director of the Center for Rural Health, UND School of
Medicine & Health Sciences

Dean Gross, Ph.D., F.N.P.-C
North Dakota Center for Nursing

Christopher D. Jones, M.B.A.
Department of Human Services Representative

Courtney Koebele, J.D. (Ex officio)
North Dakota Medical Association

John M. Kutch, M.H.S.A.
Northwest Campus Representative

Michael LeBeau, M.D.
North Dakota Hospital Association

Tim Matherne, M.P.A.
North Dakota Senate

Jon O. Nelson
North Dakota House of Representatives

Casey Ryan, M.D.
North Dakota State Board of Higher Education

Stephen Tinguely, M.D.
Southeast Campus Representative

Breton Weintraub, M.D., F.A.C.P.
VA Medical Center and Affiliated Clinics Representative

Dirk Wilke, M.B.A., J.D.
North Dakota Department of Health

Please note that photos in Vital Signs showing groups of people were taken before the COVID-19 pandemic had reached the United States.
OVERVIEW

PURPOSE STATEMENT

The primary purpose of the University of North Dakota School of Medicine & 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 (Section 15-52-01)
The UND School of Medicine & Health Sciences is one of 35 medical schools in the country that is community-based, meaning we don’t own or operate our own hospital. Rather, we partner with health care providers in the community to educate our students.

### DEGREE PROGRAMS

#### GRADUATE PROGRAMS

- Doctor of Philosophy (Ph.D.) and Master of Science degrees in Biomedical Sciences, with specializations in:
  - Inflammation and Infectious Disease
  - Neuroscience and Neurodegenerative Disease
  - Epigenetics
  - Molecular and Cellular Biology

- Doctor of Philosophy and Master of Science degrees in Clinical and Translational Science, with specializations in:
  - Molecular and Pathological Basis of Human Disease
  - Bioinformatics and Human Population Genetics

#### MEDICAL DOCTOR (MD) PROGRAM

All medical students spend their first 18 months 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 and one-half years of clinical training in Bismarck, Fargo, Grand Forks, Minot, or a rural community through the Rural Opportunities in Medical Education (ROME) Program.

#### PUBLIC HEALTH

The UND SMHS Master of Public Health program is designed to prepare students to respond to the growing demand for public health professionals who can promote health and wellness through population-based approaches.

This year also marks the inauguration of the world’s first doctoral program in Indigenous health, housed in our own Master of Public Health and Indians Into Medicine programs. The program offers specializations in either an academic or applied tracks. To learn more about this first-ever Ph.D. program, see page 17.

#### HEALTH SCIENCES

- **Athletic Training**
  - Four-year Bachelor of Science
  - Master of Athletic Training coming in 2022

- **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 with more than half in North Dakota and the surrounding region

- **Occupational Therapy**
  - Three-year pre-occupational therapy program and three-year Occupational Therapy Doctorate

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

- **Physician Assistant Studies**
  - Two-year Master of Physician Assistant Studies
Our biennial budget is $205,075,117. The majority comes from non-state sources such as grants, contracts, patient revenue, and tuition.

For every $1 appropriated to the School by the Legislature, the School generates about $2 in grants, contracts, tuition, and service revenues.

1ST YEAR IN-STATE RESIDENT TUITION & FEE RATES FOR REGIONAL MEDICAL SCHOOLS

Source: aamc.org/data-reports/reporting-tools/report/tuition-and-student-fees-reports
First-year medical students show off the stethoscopes they received from our many generous donors to the School’s Adopt-A-Med-Student program, which provides students both a necessary tool-of-the-trade and a faculty/physician mentor.
USES OF DONATIONS, FISCAL YEAR 2020

<table>
<thead>
<tr>
<th></th>
<th>Students</th>
<th>Priority Needs</th>
<th>Programs</th>
<th>Educators (faculty)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal Year 2020</td>
<td>$1,457,537</td>
<td>$234,945</td>
<td>$57,815</td>
<td>$4,513</td>
<td>$1,754,810</td>
</tr>
</tbody>
</table>

FISCAL YEAR 2019

<table>
<thead>
<tr>
<th></th>
<th>Retained Donors</th>
<th>Reengaged Donors</th>
<th>New Donors</th>
<th>Total Donors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni</td>
<td>541</td>
<td>174</td>
<td>66</td>
<td>684</td>
</tr>
<tr>
<td>Friends</td>
<td>103</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>21</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corporations/foundations/matching gifts</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Students</th>
<th>Priority Needs</th>
<th>Educators (faculty)</th>
<th>Programs</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal Year 2018</td>
<td>$1,363,886</td>
<td>$232,993</td>
<td>$114,513</td>
<td>$108,629</td>
<td>$1,820,021</td>
</tr>
</tbody>
</table>

FISCAL YEAR 2018

<table>
<thead>
<tr>
<th></th>
<th>Retained Donors</th>
<th>Reengaged Donors</th>
<th>New Donors</th>
<th>Total Donors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alumni</td>
<td>435</td>
<td>133</td>
<td>65</td>
<td>575</td>
</tr>
<tr>
<td>Friends</td>
<td>95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>26</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Corporations/foundations/matching gifts</td>
<td>19</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Students</th>
<th>Programs</th>
<th>Priority Needs</th>
<th>Educators (faculty)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal Year 2018</td>
<td>$1,584,263</td>
<td>$2,564,300</td>
<td>$2,350,432</td>
<td>$136,800</td>
<td>$6,635,795</td>
</tr>
</tbody>
</table>

“It has been a dream of mine to become a doctor since I was a 4-year-old boy who fell off the monkey bars and broke my arm. I’m the first one in my family who is pursuing this career, and your donation is a significant help in my journey.”

—ZACH PODOLL
VELVA, N.D.
MD Class of 2022
## STUDENT ENROLLMENTS BY MAJOR, FALL 2020*

<table>
<thead>
<tr>
<th>GRADUATE PROGRAMS</th>
<th>HEALTH SCIENCES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Biochemistry and Molecular Biology</strong></td>
<td>Athletic Training</td>
</tr>
<tr>
<td>(Graduate—Master and Doctoral, includes Pathology) 1</td>
<td>Pre–Athletic Training 16</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>Bachelor of Science 26</td>
</tr>
<tr>
<td>(Graduate—Master and Doctoral) 26</td>
<td>Medical Laboratory Science</td>
</tr>
<tr>
<td>Clinical and Translational Science</td>
<td>Pre–Medical Laboratory Science 76</td>
</tr>
<tr>
<td>(Graduate—Master and Doctoral) 6</td>
<td>Certificate 99</td>
</tr>
<tr>
<td></td>
<td>Bachelor of Science 94</td>
</tr>
<tr>
<td></td>
<td>Master of Science 55</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>Occupational Therapy</td>
</tr>
<tr>
<td></td>
<td>Pre–Occupational Therapy 114</td>
</tr>
<tr>
<td></td>
<td>Master of Occupational Therapy 59</td>
</tr>
<tr>
<td></td>
<td>Occupational Therapy Doctorate 112</td>
</tr>
<tr>
<td><strong>MEDICAL DOCTOR (MD) PROGRAM</strong></td>
<td>Physical Therapy</td>
</tr>
<tr>
<td>Year 1 Class of 2024</td>
<td>Pre–Physical Therapy 187</td>
</tr>
<tr>
<td>Year 2 Class of 2023</td>
<td>Doctoral 153</td>
</tr>
<tr>
<td>Year 3 Class of 2022</td>
<td>Physician Assistant</td>
</tr>
<tr>
<td>Year 4 Class of 2021</td>
<td>(Graduate—Master) 63</td>
</tr>
<tr>
<td></td>
<td>Public Health</td>
</tr>
<tr>
<td></td>
<td>Master of Public Health 55</td>
</tr>
<tr>
<td></td>
<td>Indigenous Health Ph.D. 21</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>TOTAL 1,130</strong></td>
</tr>
</tbody>
</table>

The School’s faculty also teach courses in biomedical sciences (anatomy, physiology, pharmacology, biochemistry, microbiology, immunology) that enroll over 1,000 undergraduate students each year who will become physicians, therapists, nurses, dietitians, exercise scientists, public health professionals, and forensic scientists.

Now that the School’s Healthcare Workforce Initiative (HWI) is fully implemented, 16 additional medical students, 30 health sciences students, and a variety of post-MD degree trainees are being educated through the UND SMHS each year, relative to 2012. In addition to expanding SMHS class sizes, the HWI utilizes a number of strategies to maximize success in increasing North Dakota’s health care workforce:

- Acceptance of students to medical school weighted toward those from rural areas of North Dakota.
- Tuition forgiveness for those who commit to practice in a rural community in the state.
- Increased longitudinal experiences in rural communities.
- Increased geriatrics, population health, and public health focus.

*Official fall 2020 enrollment figures per the University of North Dakota office of Analytics & Planning.

Students in our Master of Public Health program, pictured here, found themselves more in demand than even they expected in 2020, given the spread of the COVID-19 pandemic.
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.

## Student Performance on Nationally Recognized Exams

<table>
<thead>
<tr>
<th>Program</th>
<th>UND SMHS Pass Rate</th>
<th>National Pass Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Training</td>
<td>87%</td>
<td>78%</td>
</tr>
<tr>
<td>Medical Laboratory Science</td>
<td>97%</td>
<td>75%</td>
</tr>
<tr>
<td>Occupational Therapy</td>
<td>100%</td>
<td>98%</td>
</tr>
<tr>
<td>Physical Therapy</td>
<td>98%</td>
<td>93%</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>93%</td>
<td>93%</td>
</tr>
<tr>
<td>Medicine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 1</td>
<td>96%</td>
<td>97%</td>
</tr>
<tr>
<td>Step 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical Knowledge</td>
<td>97%</td>
<td>98%</td>
</tr>
<tr>
<td>Clinical Skills</td>
<td>94%</td>
<td>95%</td>
</tr>
<tr>
<td>Step 3</td>
<td>99%</td>
<td>98%</td>
</tr>
</tbody>
</table>

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

## Retention of UND SMHS Medical Student Graduates for Practice In-State

(compared with other medical schools)

Source: Missions Management Tool, 2020 AAMC
EDUCATE COMPLETION RATES

Completion rates measure the percentage of students who enrolled in a professional degree program and completed their degree within the maximum allowable time, which varies based on the program. Tan bars represent the number and percentage of a class graduating relative to the initial number of enrolled students (brown) in a given year.

DOCTOR OF MEDICINE (FOUR-YEAR PROGRAM)

For Doctor of Medicine 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.

<table>
<thead>
<tr>
<th>Years</th>
<th>'10</th>
<th>'11</th>
<th>'12</th>
<th>'13</th>
<th>'14</th>
<th>'15</th>
<th>'16</th>
<th>'17</th>
<th>'18</th>
<th>'19</th>
<th>'20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students Admitted in 2010</td>
<td>62</td>
<td>62</td>
<td>54</td>
<td>70</td>
<td>64</td>
<td>68</td>
<td>67</td>
<td>82</td>
<td>78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2014</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
<td>62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2015</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2016</td>
<td></td>
<td></td>
<td></td>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2017</td>
<td></td>
<td></td>
<td></td>
<td>54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2018</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2019</td>
<td></td>
<td></td>
<td></td>
<td>55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Students Graduated in 2020</td>
<td></td>
<td></td>
<td></td>
<td>33</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

62 Students Admitted in 2010
60 Students Graduated in 2014 = 91%
1 Student Graduated in 2015 = 89%
3 Students Graduated in 2016 = 94%
6 Students Graduated in 2017 = 97%
0 Students Graduated in 2018 = 97%
70 Students Admitted in 2012
64 Students Graduated in 2016 = 97%
1 Student Graduated in 2017 = 93%
0 Students Graduated in 2018 = 93%
68 Students Admitted in 2013
62 Students Graduated in 2017 = 91%
1 Student Graduated in 2018 = 91%
0 Students Graduated in 2019 = 91%
33 Students Admitted in 2014
33 Students Graduated in 2018 = 88%
1 Student Graduated in 2019 = 87%
0 Students Graduated in 2020 = 86%
35 Students Admitted in 2015
32 Students Graduated in 2019 = 91%
2 Students Graduated in 2020 = 90%

MASTER OF PHYSICIAN ASSISTANT STUDIES (TWO-YEAR PROGRAM)

Beginning in 2006, the program accepted a new class every other year. It has returned to an annual admission structure effective with the class matriculating in 2013.
Our goal is to exceed the national benchmark for completion.

**DOCTOR OF PHYSICAL THERAPY (THREE-YEAR PROGRAM)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Admitted</th>
<th>Graduated</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>48</td>
<td>47</td>
<td>98%</td>
</tr>
<tr>
<td>2010</td>
<td>50</td>
<td>47</td>
<td>94%</td>
</tr>
<tr>
<td>2011</td>
<td>49</td>
<td>48</td>
<td>97%</td>
</tr>
<tr>
<td>2012</td>
<td>48</td>
<td>47</td>
<td>98%</td>
</tr>
<tr>
<td>2013</td>
<td>51</td>
<td>51</td>
<td>100%</td>
</tr>
<tr>
<td>2014</td>
<td>52</td>
<td>52</td>
<td>100%</td>
</tr>
<tr>
<td>2015</td>
<td>52</td>
<td>52</td>
<td>100%</td>
</tr>
<tr>
<td>2016</td>
<td>52</td>
<td>52</td>
<td>100%</td>
</tr>
<tr>
<td>2017</td>
<td>54</td>
<td>52</td>
<td>96%</td>
</tr>
</tbody>
</table>

**MASTER OF OCCUPATIONAL THERAPY (THREE-YEAR PROGRAM)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Admitted</th>
<th>Graduated</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td>41</td>
<td>38</td>
<td>92%</td>
</tr>
<tr>
<td>2010</td>
<td>49</td>
<td>47</td>
<td>98%</td>
</tr>
<tr>
<td>2011</td>
<td>49</td>
<td>47</td>
<td>96%</td>
</tr>
<tr>
<td>2012</td>
<td>48</td>
<td>47</td>
<td>98%</td>
</tr>
<tr>
<td>2013</td>
<td>53</td>
<td>51</td>
<td>98%</td>
</tr>
<tr>
<td>2014</td>
<td>53</td>
<td>51</td>
<td>98%</td>
</tr>
<tr>
<td>2015</td>
<td>52</td>
<td>52</td>
<td>100%</td>
</tr>
<tr>
<td>2016</td>
<td>52</td>
<td>52</td>
<td>100%</td>
</tr>
<tr>
<td>2017</td>
<td>61</td>
<td>60</td>
<td>99%</td>
</tr>
<tr>
<td>2018</td>
<td>60</td>
<td>58</td>
<td>97%</td>
</tr>
<tr>
<td>2019</td>
<td>65</td>
<td>63</td>
<td>96%</td>
</tr>
<tr>
<td>2020</td>
<td>62</td>
<td>61</td>
<td>98%</td>
</tr>
</tbody>
</table>

* Number Graduated/Number Admitted = Completion Rate
After graduating from medical school, physicians must complete residency training, a period of advanced intensive training in a 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 throughout North Dakota is provided in eight areas:

- Family Medicine (Bismarck, Fargo, Grand Forks, Minot, Williston)*
- Geriatrics (Bismarck, Fargo)
- Hospitalist (Bismarck)
- Internal Medicine (Fargo)
- Orthopedic Surgery (Fargo)*
- Psychiatry (Fargo)
- Surgery (Fargo, Grand Forks)
- Transitional (Fargo)**

Some of these residency programs have training specific to rural care. They are:

- UND Family Medicine in Bismarck (Fort Yates), Fargo (Valley City, Detroit Lakes, and Wahpeton), Hettinger, Minot (Garrison), and Williston
- UND Psychiatry (Rural Outreach and Telemedicine)
- UND Surgery Rural Track (Minot and Fargo, N.D., and Perham, Minn.)

* The Family Medicine Program in Grand Forks is sponsored by Altru Health System. The Family Medicine and Orthopedic Surgery Programs in Fargo are sponsored by Sanford Health.

** Transitional residency is 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 subspecialty.
In the fall semester of their final year of school, medical students apply to programs through which they hope to complete a residency—the period of advanced training in a medical specialty that students complete before engaging in independent practice as a physician. Residency interviews are conducted anywhere between October and January of that academic year for standard residencies.

In their last semester, medical school seniors across the country find out where they will complete their residencies on “Match Day,” a celebration of residency placements coordinated by the National Resident Matching Program (NRMP). The NRMP is a private, not-for-profit corporation founded in 1952 at the request of medical students to standardize the residency selection process and establish a uniform date of appointment to positions in graduate medical education training programs.

The 2020 Main Residency Match was the largest in NRMP history. A record-high 40,084 applicants submitted program choices for 37,256 positions, the most ever offered in the Match. The number of available first-year (PGY-1) positions rose to 34,266, an increase of 2,072 (6.4%) over 2019.

This year, 72 UND School of Medicine & Health Sciences students successfully matched with residency programs. In total, 55 percent of the MD Class of 2020 matched into primary care specialties, with 14 of 72 (19.4 percent) of the cohort alone set to enter family medicine, a figure more than double the national average of students matching into family medicine.
EDUCATE FAMILY RESIDENCY

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

A study recently completed by the American Academy of Family Physicians (AAFP) noted that the University of North Dakota School of Medicine & Health Sciences was again among the top three contributors to building the nation’s family physician workforce. This is the 36th national study conducted by the AAFP that reports retrospectively the percentage of graduates from U.S. Liaison Committee on Medical Education (LCME)-accredited; American Osteopathic Association (AOA)-accredited; and international medical schools who enter Accreditation Council for Graduate Medical Education (ACGME)-accredited family medicine residency programs as first-year residents.

GRADUATES ENTERING A FAMILY MEDICINE RESIDENCY 2011–2020

Sources:
Medical Education Division
Missions Management Tool, 2020, AAMC
American Academy of Family Physicians
Family Medicine, STFM Journal
Department of Family & Community Medicine
University of North Dakota School of Medicine & Health Sciences 6/20

Average 2011–2020

- UND SMHS 19.2%
- NATIONAL 8.8%
- UND SMHS Goal (double the national avg.)
More than 700 practicing physicians now serving North Dakota communities received their education at UND.

**Percentages of Physicians Practicing in North Dakota Who Graduated From the UND School of Medicine & Health Sciences or Completed an In-State Residency**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Specialties</td>
<td>46%</td>
</tr>
<tr>
<td>Family Medicine</td>
<td>74%</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>41%</td>
</tr>
<tr>
<td>Obstetrics and Gynecology</td>
<td>66%</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>41%</td>
</tr>
<tr>
<td>Psychiatry</td>
<td>41%</td>
</tr>
</tbody>
</table>


**Percentages of Other Health Care Providers Practicing in North Dakota Who Are Graduates of the UND School of Medicine & Health Sciences**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Athletic Trainers</td>
<td>30%</td>
</tr>
<tr>
<td>Occupational Therapists</td>
<td>52%</td>
</tr>
<tr>
<td>Medical Laboratory Scientists</td>
<td>47%</td>
</tr>
<tr>
<td>Physician Assistants</td>
<td>39%</td>
</tr>
<tr>
<td>Physical Therapists</td>
<td>50%</td>
</tr>
</tbody>
</table>

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

**School of Medicine & Health Sciences Alumni**

<table>
<thead>
<tr>
<th>Specialty</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical Laboratory Scientists</td>
<td>2,498</td>
</tr>
<tr>
<td>Athletic Trainers</td>
<td>274</td>
</tr>
<tr>
<td>Physicians</td>
<td>2,315</td>
</tr>
<tr>
<td>Physical Therapists</td>
<td>1,968</td>
</tr>
<tr>
<td>Occupational Therapists</td>
<td>2,063</td>
</tr>
<tr>
<td>Physician Assistants</td>
<td>1,901</td>
</tr>
<tr>
<td>Public Health Professionals</td>
<td>63</td>
</tr>
<tr>
<td>Biomedical Sciences</td>
<td>242 (since 1995)</td>
</tr>
</tbody>
</table>

**Total** 11,324

**UND SMHS Medical Doctor Program Outcomes**

<table>
<thead>
<tr>
<th>Metric</th>
<th>Percentile Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduates entering primary care</td>
<td>94th</td>
</tr>
<tr>
<td>Graduates practicing in rural areas</td>
<td>99th</td>
</tr>
<tr>
<td>Graduates practicing in family medicine</td>
<td>99th</td>
</tr>
<tr>
<td>Fraction of class identifying as American Indian</td>
<td>100th</td>
</tr>
</tbody>
</table>

Source: Missions Management tool, 2020 AAMC
EDUCATE PIPELINE PROGRAMS

GROWING OUR OWN: INNOVATIVE PROGRAMS TO PRODUCE HEALTH CARE PROVIDERS FOR NORTH DAKOTA

RuralMed
RuralMed is a tuition waiver program (or scholarship) designed to encourage medical students to select careers in family medicine and other shortage specialties and increase the number of 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, 27 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.

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 UND School of Medicine & Health Sciences. Students live and train in nonmetropolitan communities under the supervision of physician preceptors. ROME students experience health care delivery in rural areas throughout the state of North Dakota, where providing access to health care is sometimes challenging. Students learn about problems commonly encountered in primary care, from routine health maintenance to medical emergencies and rare and unusual diagnoses.

Minot Integrated Longitudinal Experience (MILE)
A clerkship is a course of clinical training that third-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. 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.

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, 7,866 students, 3,050 volunteers, and dozens of local communities have participated in 104 Scrubs Camps across the state. In 2019-2020 only eight Scrubs Camps were held due to the COVID-19 pandemic; an additional eight Camps had to be cancelled.

R-COOL-Health Scrubs Academy
Since the annual Scrubs Academy started in 2011, 512 students have attended from numerous communities throughout North Dakota (375 students from rural communities). Students participate in a dissection, explore the inside of a 32-foot inflatable colon, and learn more about anatomy, medical laboratory science, emergency medical services, mental health, occupational therapy, physical therapy, public health, nutrition, music therapy, physician assistant studies, radiology, veterinary medicine, and other health careers. As part of the Academy, students receive Friends and Family CPR training and become 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. Students are also given the opportunity to explore and learn more about the School of Medicine & Health Sciences, the UND campus, and the Grand Forks community. The 2020 Scrubs Academy was unable to be held due to the COVID-19 pandemic.

North Dakota Area Health Education Center
Since 2009, the North Dakota Area Health Education Center has utilized federal, state, and private funding to support learning opportunities for more than 23,700 participants reaching all 53 North Dakota counties. Of that total, more than 13,750 students have participated in health career awareness events and activities, and more than 130 students enrolled in health profession programs have completed rural clinical rotation experiences.

Summer Undergraduate Research
For 10 weeks each summer, more than two dozen undergraduate students from UND, as well as from rural and tribal colleges in Minnesota, North Dakota, and across the nation, conduct research and participate in a number of related educational activities at the UND School of Medicine & Health Sciences. Students work shoulder-to-shoulder with their mentor scientists from the UND Department of Biology, SMHS scientists and clinicians, Cankdeska Cikana Community College, and the Center for Rural Health. The research experience, under the direction of Professor Don Sens and the North Dakota IDeA Network for Biomedical Research Excellence (INBRE), culminates in a Summer Undergraduate Research Experience poster session in Grand Forks. One of the goals of the summer research program is to provide students with the opportunity to work directly with an established research scientist. An additional goal is to recruit students from rural and tribal colleges for future enrollment in UND undergraduate and graduate programs. The program has been successful in helping attract students to UND. In fact, 12 members of the MD Class of 2023 are INBRE summer research veterans!
The North Dakota State Board of Higher Education made history in 2020 by approving the world’s first doctoral program in Indigenous health to be housed at the UND School of Medicine & Health Sciences (SMHS).

The Ph.D. degree launched in May, and the program’s inaugural class consists of 21 students, said Dr. Donald Warne, director of the Indians Into Medicine (INMED) and Master of Public Health (MPH) programs at UND, who led the push for the new program.

“There is a need for well-trained administrators with a deep understanding of Indigenous health issues,” Warne said. “Up until now, there were no training programs like that in the world.”

Warne, who also serves as professor of family and community medicine as well as associate dean of diversity, equity and inclusion at the SMHS, has a history of “firsts.”

As of May 2020, INMED has graduated 250 American Indian/Alaska Native physicians, making it the most successful Indigenous medical training program internationally and in history. The new program will be linked to the INMED and MPH programs.

“This will be a high value degree that’s unique in the nation,” Warne said. “We have eight Indigenous health scholars at the School, which is an unprecedented number. Through national and international collaborations, we will offer distance education opportunities for students across North Dakota, the region and around the world.”

“I am so proud of the University of North Dakota for taking leadership on this important endeavor,” said Dr. Nicole Redvers, assistant professor of family & community medicine and a First Nations person from Canada. “This program will lead the globe, integrating both Indigenous and Western knowledge to prepare a new generation of health scholars to tackle the health issues facing Indigenous people everywhere. I am very proud to be a part of this program, and look forward to working toward better health for our people.”

Dean of the SMHS Dr. Joshua Wynne agreed.

“Over his career, Dr. Warne has been a tireless advocate to ensure that our health care delivery team — both at the state and national level — reflects the rich diversity of our populations,” Wynne said. “This new program offering at the UND School of Medicine & Health Sciences is another big step in developing a truly inclusive and equitable makeup of those involved in the health care delivery enterprise.”

There is a global need for advanced training in Indigenous health, and Warne expects robust demand for graduates of the program.

“At the international level, the coordination of health needs across Indigenous populations is greater now than at any point in history,” Warne said, adding that the Indian Health Service, Centers for Disease Control and Prevention, and National Institutes of Health all need well-trained administrators with a deep understanding of Indigenous health issues.
For fiscal year 2020 (July 1, 2019–June 30, 2020), total research funding was $30,805,926. Of the 35 community-based medical schools in the United States, the SMHS is ranked in the top quarter of schools in external funding for sponsored projects. The School’s goal is to be in the top four.
Aside from some major grants given to our Center for Rural Health in 2020, the school received funding for research in the areas of cancer, Alzheimer's disease, and various infectious diseases, including COVID-19.
The Center for Rural Health (CRH) at the School of Medicine & Health Sciences serves North Dakota, the region, and the nation. It focuses the majority of its resources on the state’s 53 counties and generally works with 100 or more communities each year. CRH provides technical assistance to all 38 rural North Dakota hospitals, 36 of which are Critical Access Hospitals. CRH works closely with other groups too, such as public health, emergency medical services (EMS), rural primary care clinics (such as Rural Health Clinics), behavioral and mental health, and tribal health. Assistance is directed at improving access to quality healthcare services, the viability of rural health systems, and community engagement. CRH administers a variety of funding sources used to support and assist rural communities in North Dakota totaling:

- $10,400,312 for FY2020

**FY 2020**

**Federal Grants:** $9,548,107 CRH supports 21 grants in this category, including:

- Two national programs that focus on indigenous populations: the National Indigenous Elder Justice Initiative (NIEJI) and the National Resource Center on Native American Aging (NRCNAA). These programs focus on improving health outcomes and the wellbeing of American Indian, Alaska Native, and Native Hawaiian Elders. CRH Native programs have a predominantly Indigenous staff with expertise in geriatrics, elder abuse, mental health, suicide prevention, health disparities, community-based participatory research, tribal participatory research, resiliency, and wellness. CRH works with nearly half of the 574 federally recognized tribes. NRCNAA has expanded to include a focus on urban-based Native Elders and administers an effort to expand Qualified Service Providers into reservation communities.

- Nationally sponsored projects like the Rural Health Information Hub and Rural Health Research Gateway provide resources, information, and dissemination of information regarding the latest rural health research and programs.

- CRH receives federal funding for other programs that support healthcare, such as the Rural Hospital Flexibility Program, Small Hospital Improvement Program, and the State Office of Rural Health. This funding helps rural hospitals improve quality, finance and operation; integrate EMS and innovative healthcare models; and engage communities.

**State Grants:** $690,494 CRH has sponsored contracts with the state of North Dakota for the Traumatic Brain Injury Network, and behavioral health and opioid work, including the Justice Reinvestment Initiative.

**Other Grants:** $161,711 CRH administers and supports other sponsored contracts that serve and enhance rural health in the state and region. Initiatives include Truserv, the Dakota Conference on Rural and Public Health, the Blue Cross Blue Shield Caring Foundation grant, the Native Urban Elder Needs Assessment Survey, American Association of Retired Persons grant, the Native Aging in Place Program, the North Dakota Palliative Care Task Force, and Community Health Needs Assessments.

**FY 2019**

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Grants</td>
<td>$6,611,248</td>
</tr>
<tr>
<td>State Grants</td>
<td>406,747</td>
</tr>
<tr>
<td>Other Grants</td>
<td>881,586</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$7,899,581</strong></td>
</tr>
</tbody>
</table>

**FY 2018**

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Grants</td>
<td>$5,508,512</td>
</tr>
<tr>
<td>State Grants</td>
<td>476,747</td>
</tr>
<tr>
<td>Other Grants</td>
<td>1,644,328</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$7,629,587</strong></td>
</tr>
</tbody>
</table>

* In Spring 2020, UND’s Center for Rural Health received a substantial SHIP COVID-19 grant award ($3,035,412). This one-time funding was provided by HRSA under the Coronavirus Air, Relief, and Economic Security (CARES) Act. The funding was specifically designated to support COVID-19 activities in North Dakota’s 36 Critical Access Hospitals.
UND designated state’s first cardiac ready campus by North Dakota Department of Health

In February, the North Dakota Department of Health (NDDoH) designated the University of North Dakota the first Cardiac-Ready Campus in the state. In 2016, the North Dakota Division of Emergency Medical Systems & Trauma partnered with the American Heart Association (AHA) to provide the Cardiac-Ready Community program through the North Dakota Cardiac System of Care. The program, which promotes the AHA’s “Chain of Survival,” is designed to promote survival from a cardiac event by making sure communities are prepared to respond and assist if an individual has a cardiac event. The effort was led by Dr. Bryan Delage, chair of UND’s Cardiac-Ready Campus committee and faculty in the School’s Department of Family & Community Medicine. Requirements to keep the Cardiac-Ready program going throughout the designation period include continued community leadership, an ongoing community awareness campaign, additional blood pressure screenings (including referrals for blood pressure management and education on lifestyle change), continuing education of the community on CPR and automatic external defibrillator (AED) use, expansion of public access to AEDs, and development of a performance improvement program.

SMHS, Altru Health System team up to produce COVID-19 testing medium

In April, researchers at Altru Health System and the UND School of Medicine & Health Sciences partnered on the production of a laboratory medium useful for testing COVID-19. Marijo Roiko, Ph.D., microbiology program director in the Department of Pathology and Laboratory Services for Altru, and UND Department of Biomedical Sciences Associate Professors Catherine Brissette, Ph.D., and Matthew Nilles, Ph.D., produced a viral transport media (VTM) solution used to maintain the stability of a clinical specimen from the point of collection to laboratory testing. In laboratory science, VTM is a liquid medium used for collection, transport, maintenance and long-term freezer storage of clinical specimens containing viruses, including COVID-19. The UND-Altru team produced enough VTM for more than 1,600 COVID-19 tests. According to the researchers, the locally produced medium was developed from reagents available in laboratories at the two institutions. The compound was vetted by quality assurance testing at Altru and the North Dakota Public Health Laboratory.

UND School of Medicine & Health Sciences expands RuralMed health workforce retention program

The UND School of Medicine & Health Sciences expanded its state-sponsored RuralMed Program in 2020.

Established in concert with the North Dakota Legislative Assembly in 2009-10, RuralMed was designed to increase the number of new physicians practicing in rural North Dakota. Here’s how it works: UND medical students apply for the program during any of their four years in medical school and, if accepted, see the cost of their tuition paid in return for five years of practice in a rural North Dakota hospital or clinic.

At the program’s inception, student enrollees were required to pursue a post-graduate residency in family medicine. Internal medicine and general surgery were added later. Today, however, that pool of specialties is being expanded to include all medical specialties.

Like much of the nation, North Dakota is experiencing a shortage of physicians, particularly in rural areas. The consequences of this shortage, which include overworked providers and limited access to health care for North Dakotans of all backgrounds, have been especially salient during an ongoing global pandemic.

“The RuralMed program has given a huge recruitment boost to communities with physician shortages, while at the same time reducing student loan debt, which can be a significant barrier to physicians choosing rural practice opportunities,” noted Dave Molmen, interim CEO of Altru Health System and chair of the SMHS Advisory Council.

Molmen’s colleague Casey Ryan, a physician and member of North Dakota’s State Board of Higher Education, agreed.

“The RuralMed Program is innovative and benefits people living in rural North Dakota communities by stabilizing often short-staffed health systems,” Ryan said. “The impact these providers make in their communities is huge, and will continue to be for the foreseeable future. It’s the right thing to do.”

To date, nine RuralMed graduates from UND are practicing in rural North Dakota, and 18 more enrollees are scheduled to practice in rural parts of the state soon.
THANK YOU TO THE FOLLOWING UND SMHS STAFF FOR YOUR SERVICE AND DEDICATION

Although COVID-19 meant that UND was unable to hold its annual Employee Recognition Ceremony in May, the University still honored employees’ work anniversaries. As usual, many of these honorees are based out of the SMHS, including the following honorees:

45-YEAR HONOREES
Mary Coleman, Medical Laboratory Science

40-YEAR HONOREES
Richard Claren, Jr., Family & Community Medicine
Meridee Dank, Physical Therapy

30-YEAR HONOREES
Kristi Hofer, Southeast Campus – Fargo
Mary Johnson, Continuing Medical Education
Marilyn Klug, Population Health
Barry Pederson, Center for Rural Health
Kathleen Spencer, Center for Rural Health

25-YEAR HONOREES
Dawn Drake, ND STAR/Simulation Center
James Foster, Biomedical Sciences
Diane Hillebrand, Research Affairs
Susan Jeno, Physical Therapy
David Reiling, Physical Therapy
Mark Romanick, Physical Therapy
Deborah Todhunter, Education Resources
Makoto Tsuchiya, Sports Medicine

20-YEAR HONOREES
Gary Betting, Bismarck Center for Family Medicine
Jane Dunlevy, Biomedical Sciences
Jan Gunderson, Library Health Sciences
Denelle Kees, Biomedical Sciences
Cathy Martsoff, Education Resources
Kevin O’Brien, Physical Therapy
James Porter, Student Affairs & Admissions
Jacqueline Quijano, Bismarck Center for Family Medicine
Holly Wolf, Education Resources

15-YEAR HONOREES
Jon Allen, ND STAR/Simulation Center
Tonya Bray, Minot Center for Family Medicine
Jacqueline Gray, Center for Rural Health
Jennifer Hershey, Biomedical Sciences
Kevin Kern, Education Resources
Sabrina Kraus, Minot Center for Family Medicine
Nancy Marcott, Education Resources
Jeanie McHugo, Physician Assistant Studies
Jodi Myrvik, Bismarck Center for Family Medicine
Monica Paczkowski, Bismarck Center for Family Medicine
Robert Porter, Medical Laboratory Science
Debra Walker, Psychiatry and Behavioral Science
Joshua Wynne, Dean’s Office
Xudong Zhou, Pathology

10-YEAR HONOREES
Tereinl Braasch, Minot Center for Family Medicine
Elizabeth Bradshaw, Family & Community Medicine
Joshua Burbank, Family & Community Medicine
Sandra Christianson, Pathology
Gilbert Falcon, Minot Center for Family Medicine
Mikhail Golovko, Biomedical Sciences
Svetlana Golovko, Biomedical Sciences
Brianne Melicher, Pediatrics
Nicole Miller, Biomedical Sciences
Nicole Pape, Center for Rural Health
Sejal Parikh, Psychiatry and Behavioral Science
Kirsten Peterson, ND STAR/Simulation Center
Chernet Tessema, Biomedical Sciences
Beverly Voigt, Physical Therapy
Terry Waite, Education Resources
Tass Wood, Dean’s Office

5-YEAR HONOREES
Mary Aaland, Surgery
Syed Ali, Geriatrics
Arden Anderson, Biomedical Sciences
Shelby Beyer, Minot Center for Family Medicine
Sara Bjerke, Sports Medicine
Cody Boyle, Biomedical Sciences
Matthew Bruflodt, Center for Rural Health
Roberta Carrson, Occupational Therapy
Alicia Champagne, Sports Medicine
Bryan Delage, Family & Community Medicine
Jon Dickson, Education Resources
Loralee Feininger, Minot Center for Family Medicine
Mathew Gerving, Internal Medicine
Jahid Hamchary, Pathology
Nicole Harris, Occupational Therapy
Kara Hendrickson, Physician Assistant Studies
Junguk Hur, Biomedical Sciences
Donald Jurivich, Geriatrics
Elise Klein, Minot Center for Family Medicine
Teresa Klein, Psychiatry and Behavioral Science
Jacinta-Jon Klindworth, Bismarck Center for Family Medicine
Zachary Lunak, Medical Laboratory Science
Andrew Lundstrom, ND STAR/Simulation Center
Riley McLean, Bismarck Center for Family Medicine
Kumi Nagamoto-Combs, Biomedical Sciences
Robert Olson, Psychiatry and Behavioral Science
Tana Ostlie, ND STAR/Simulation Center
Hannah Peterson, Minot Center for Family Medicine
Samantha Peterson, Medical Laboratory Science
Trudy Riehl, Surgery
Peter Sandroni, Minot Center for Family Medicine
Gary Schwartz, Population Health
Nicholas Smith, Pathology
Lisa Steinbrink, Surgery
Casey Swanson, Geriatrics
Vanessa Taylor, Surgery
Susan Zelewski, Northeast Campus
Grand Forks
**FACULTY & STAFF TURNOVER**

The faculty turnover rate (faculty who left their jobs) at the UND SMHS for FY 2020 was 5.4 percent. The turnover rate for all North Dakota University System (NDUS) faculty for that same year was 13 percent.

Likewise, the staff turnover rate at the UND SMHS for FY 2020 was 11.6 percent while the rate for all NDUS staff was 13.5 percent.

In FYs 16, 17, 19 and 20, the University of North Dakota offered a voluntary separation program (VSIP) for both faculty and staff. Six SMHS employees accepted voluntary separation in FY20.

**FISCAL YEAR 2020**

**BENEFITED* FACULTY AND STAFF**

<table>
<thead>
<tr>
<th>Total Benefited</th>
<th>Total Benefited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty – 185</td>
<td>Staff – 250</td>
</tr>
<tr>
<td>Full-time – 174</td>
<td>Full-time – 237</td>
</tr>
<tr>
<td>Part-time – 11</td>
<td>Part-time – 13</td>
</tr>
<tr>
<td>Turnover Count – 10</td>
<td>Turnover Count – 29</td>
</tr>
<tr>
<td>VSIP – 1</td>
<td>VSIP – 5</td>
</tr>
</tbody>
</table>

**FISCAL YEAR 2019**

**BENEFITED* FACULTY AND STAFF**

<table>
<thead>
<tr>
<th>Total Benefited</th>
<th>Total Benefited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty – 185</td>
<td>Staff – 249</td>
</tr>
<tr>
<td>Full-time – 174</td>
<td>Full-time – 236</td>
</tr>
<tr>
<td>Part-time – 11</td>
<td>Part-time – 13</td>
</tr>
</tbody>
</table>

* Benefited appointment is 20 hours/week or more.

---

**JOGGIN WITH JOSH 2020**

Being mindful of COVID-19, this year’s Joggin’ with Josh walk/run was held virtually, for the first time ever, on Saturday, Sept. 12. More than 190 people registered for the tenth anniversary of this event! Some participants even shared images of themselves out jogging or walking in a “social-distancing” sort of way.
Keep your finger on the pulse of the latest news and events from the UND School of Medicine & Health Sciences

**FOR YOUR HEALTH**
Read Dean Joshua Wynne’s weekly column in *For Your Health*, the School’s digital newsletter delivered to your inbox.

**NORTH DAKOTA MEDICINE**
Subscribe to *North Dakota Medicine*, the School’s quarterly magazine available on the SMHS website: med.und.edu/nd-medicine or through a print subscription.
To subscribe to *For Your Health* or *North Dakota Medicine*, please contact Kristen Peterson, kristen.peterson@UND.edu or 701.777.4305.

If you would like further details about the information in this Community Report or the programs, departments, or research at the School, please contact Brian Schill, interim director, Office of Alumni & Community Relations, UND School of Medicine & Health Sciences, 701.777.4305, brian.schill@UND.edu.

*Vital Signs 2020* represents the good-faith effort of the UND School of Medicine & 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*. 