



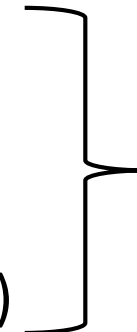
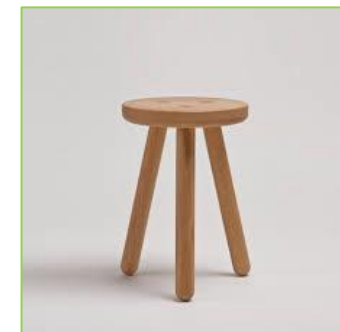
**Family Day**  
**Medical Student Class of 2026**  
**July 15, 2022**



# Outline of This Afternoon's Presentation

- Overview of the UND School of Medicine and Health Sciences
- Who we are
  - Mission – What we do
  - Overview of our student classes
  - Financial status
  - Education
  - Discovery (research and scholarship)
  - Service
    - Status of the Healthcare Workforce Initiative (HWI)
- SMHS Agenda for 2022/23 and beyond – Where we hope to go

Mission



# Our Purpose as a School

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

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

# Our Purpose as a School

- Educate
- Discover
- Serve



# UND SMHS History

- 1905 - Two-year Basic Science Degree followed by transfer to a four-year degree-granting school of medicine
- 1973 - Four-year M.D. Degree - First two years in Grand Forks, third year at University of Minnesota or Mayo Medical Schools, and fourth year at one of four North Dakota campuses
- 1981 - Complete in-state M.D. program
- 1996 - Name changed to School of Medicine and Health Sciences
- 2022 – Cumulative total of 47 M.D. classes with over 2,500 graduates

# Who We Are

- 193 full-time academic faculty
- About 1,350 volunteer faculty members → 2 out of 3 of all physicians in ND!
- 260 benefitted staff
- Over 2,000 students



# What We Do



# UND SMHS Offers a Wide Variety of Programs

## Medicine

- Doctor of Medicine
- Post-MD residency programs in:
  - Family Medicine
    - Rural tracks
  - Internal Medicine
  - Medical Oncology
  - Neurology
  - Geriatrics
  - Surgery
    - Rural track
  - Orthopedic Surgery
  - Psychiatry
    - Telepsychiatry
  - Transitional Year
  - Pediatrics (awaiting approval)
  - Forensic Pathology (awaiting approval)

## Health Sciences/Related

- Physical Therapy
- Occupational Therapy
- Medical Laboratory Science
- Master of Public Health
- Indigenous Health PhD
- Physician Assistant Studies
- Sports Medicine/Athletic Training
- Graduate programs (masters and PhD) in biomedical sciences
- Graduate programs (masters and PhD) in clinical and translational science



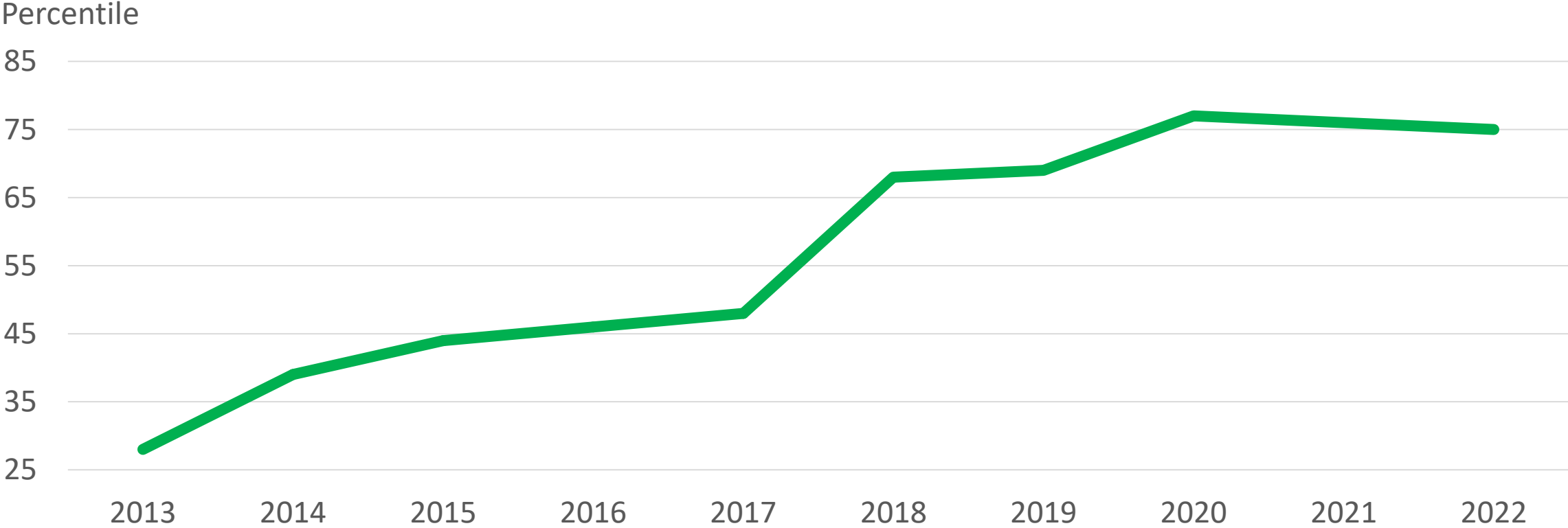
# Composition of Health Sciences and Other Student Classes

- Physical Therapy - 146
- Occupational Therapy - 162
- Physician Assistant Studies - 69
- Medical Laboratory Science - 236
- Athletic Training - 29
- Master of Public Health – 75
- Indigenous Health PhD – 46
- Master and Doctoral Students – 38
- Undergraduate courses – 1,500

# Medical Student Class of 2026

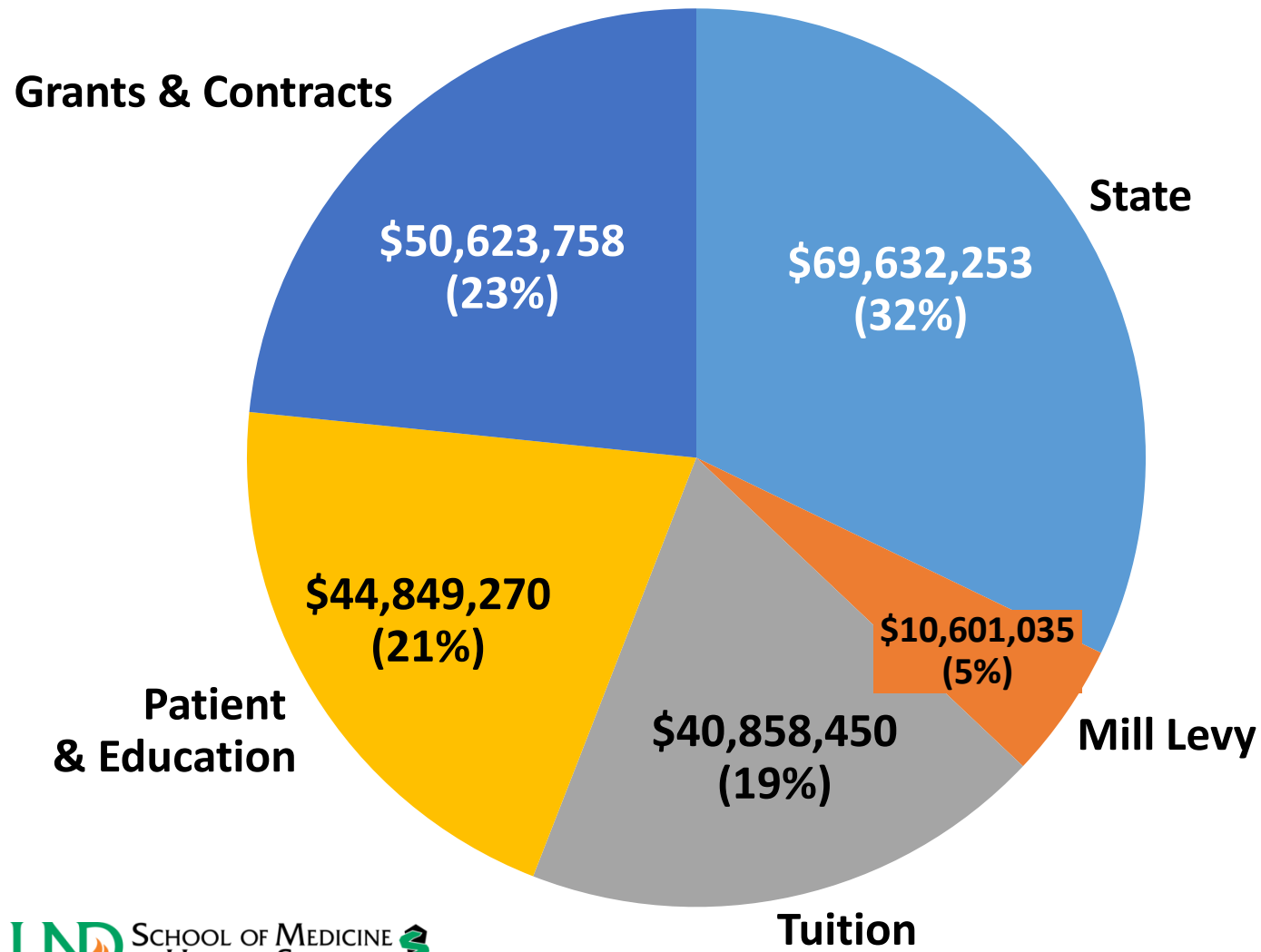
- 78 class positions: 64 ND; 10 MN; 1 WICHE
  - 3 INMED positions (separate federal program)
  - Percent of graduates who are Native American → 100<sup>th</sup> percentile nationally
- Gender: 32 male – 41%; 45 female – 58%; 1 nonbinary – 1%
- Age Range: 21-35 years of age
  - Average: 28 years of age
- Undergraduate institution
  - UND – 24
  - NDSU – 11
  - University of Minnesota Twin Cities – 5
  - Concordia College – 3
- Grade Point Average: 3.79

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



Source: Missions Management Tool 2013 – 2022, Association of American Medical Colleges

# Sources of Revenue for the 2021-2023 Biennium

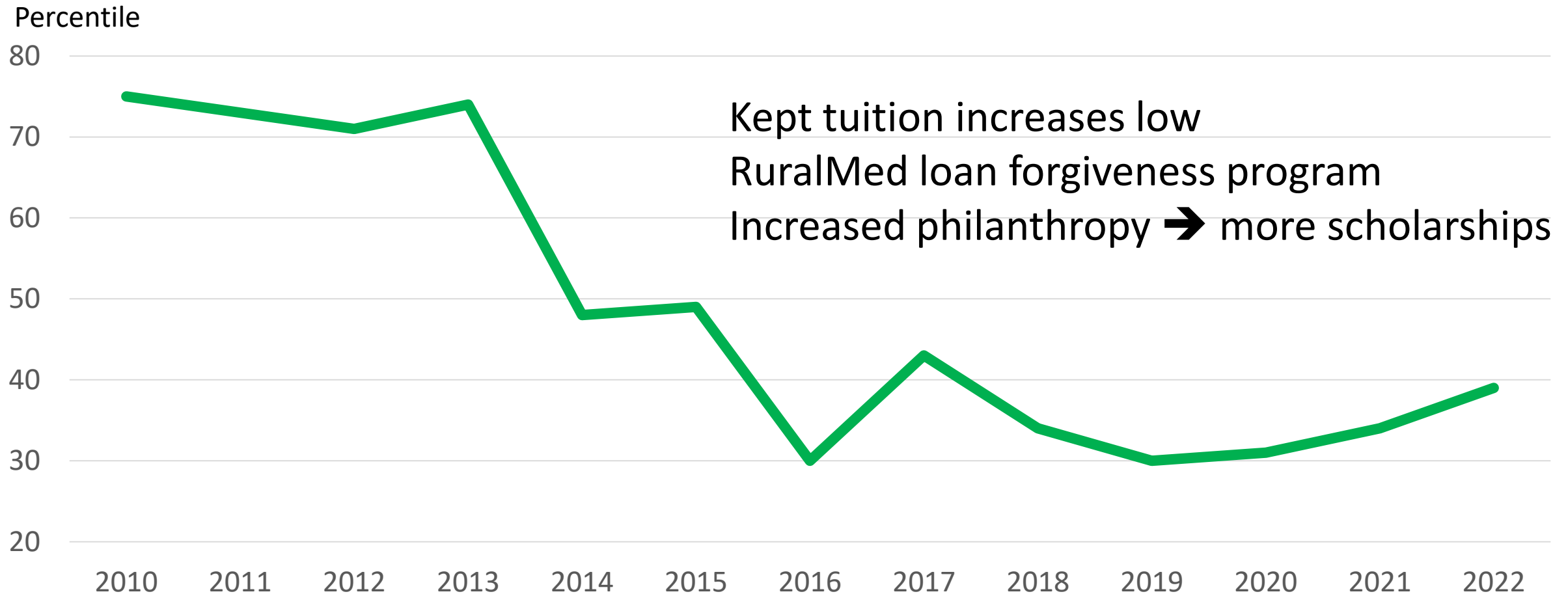


2021-2023 Estimated  
Total Revenue  
**\$216,564,766**

**Diversified Funding Sources**

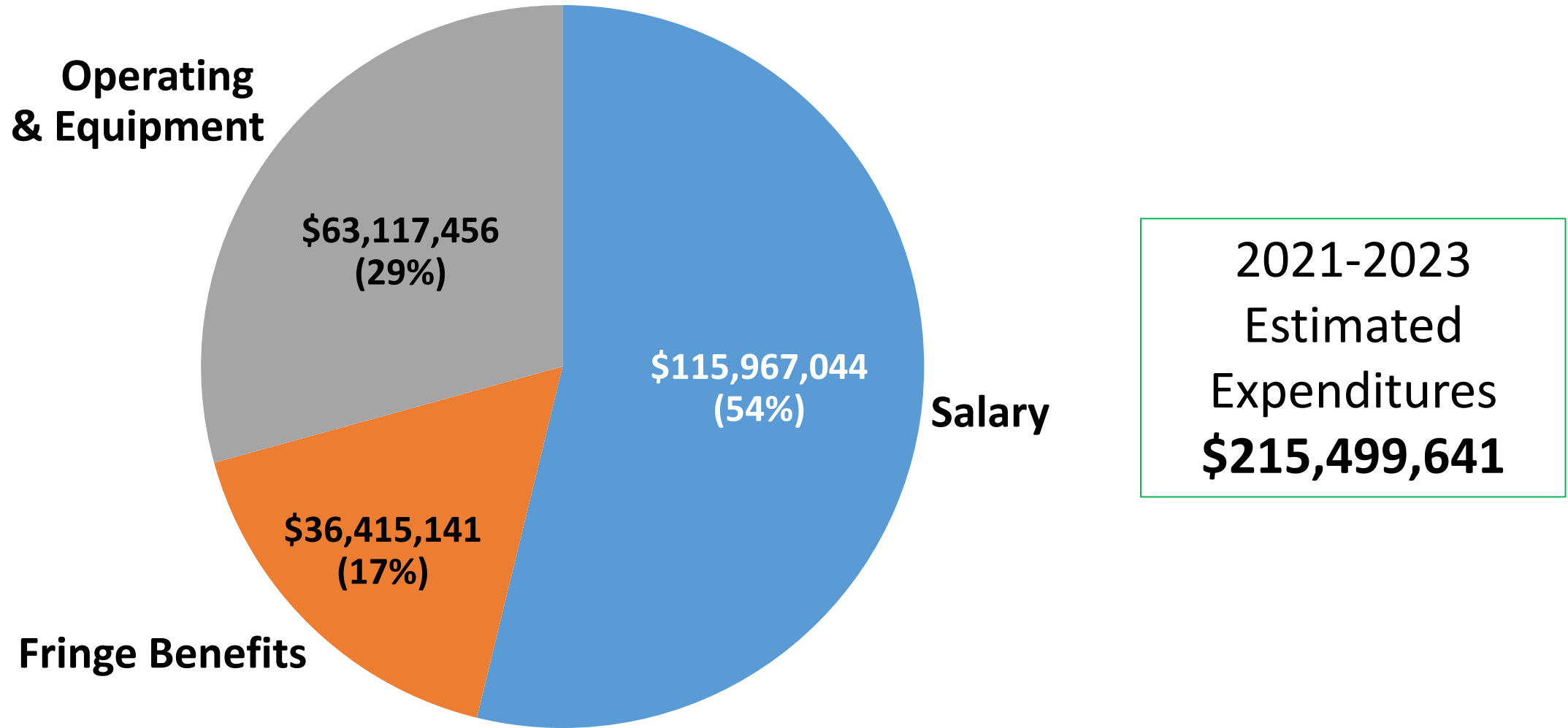
- State + Mill Levy 37%
- Tuition 19%
- Patient & Education 21%
- Grant & Contract 23%

# UND SMHS Medical Student Debt



Source: Missions Management Tools 2010-2022, Association of American Medical Colleges

# Uses of Revenue for the 2021-2023 Biennium



# A School Without Walls

- The UND SMHS is one of 35 community-based medical schools (those that don't own or operate a hospital) out of a total of 155 in the country.
- We rely on about 1,350 part-time (voluntary) clinical faculty members in over 30 communities throughout the state to educate medical students and residents.
- Two out of three of all the physicians in the state are voluntary members of our faculty



# Small Group Patient-Centered Learning





# INMED (Indians into Medicine) Program

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



# Interprofessional Health Care

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



# Primary Care

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



# Rural Health

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





We try to practice what we preach!  
Join us on Sept. 22 for the 14<sup>th</sup> annual *Joggin' with Josh* event!



# Value of the School to North Dakota

- Providing health care professionals
  - 78% of Family Medicine Physicians
  - 50% of Physicians
  - 48% of Physical Therapists
  - 52% of Occupational Therapists
  - 39% of Physician Assistants
  - 47% of Medical Laboratory Scientists



# UND SMHS Outcomes

Metric	Percentile Rank
Percent of graduates practicing in rural areas	98 <sup>th</sup>
Percent of graduates entering family medicine	92 <sup>nd</sup>
Percent of graduates who are American Indian or Alaska Native	100 <sup>th</sup>

Source: Association of American Medical Colleges Missions Management Tool 2022

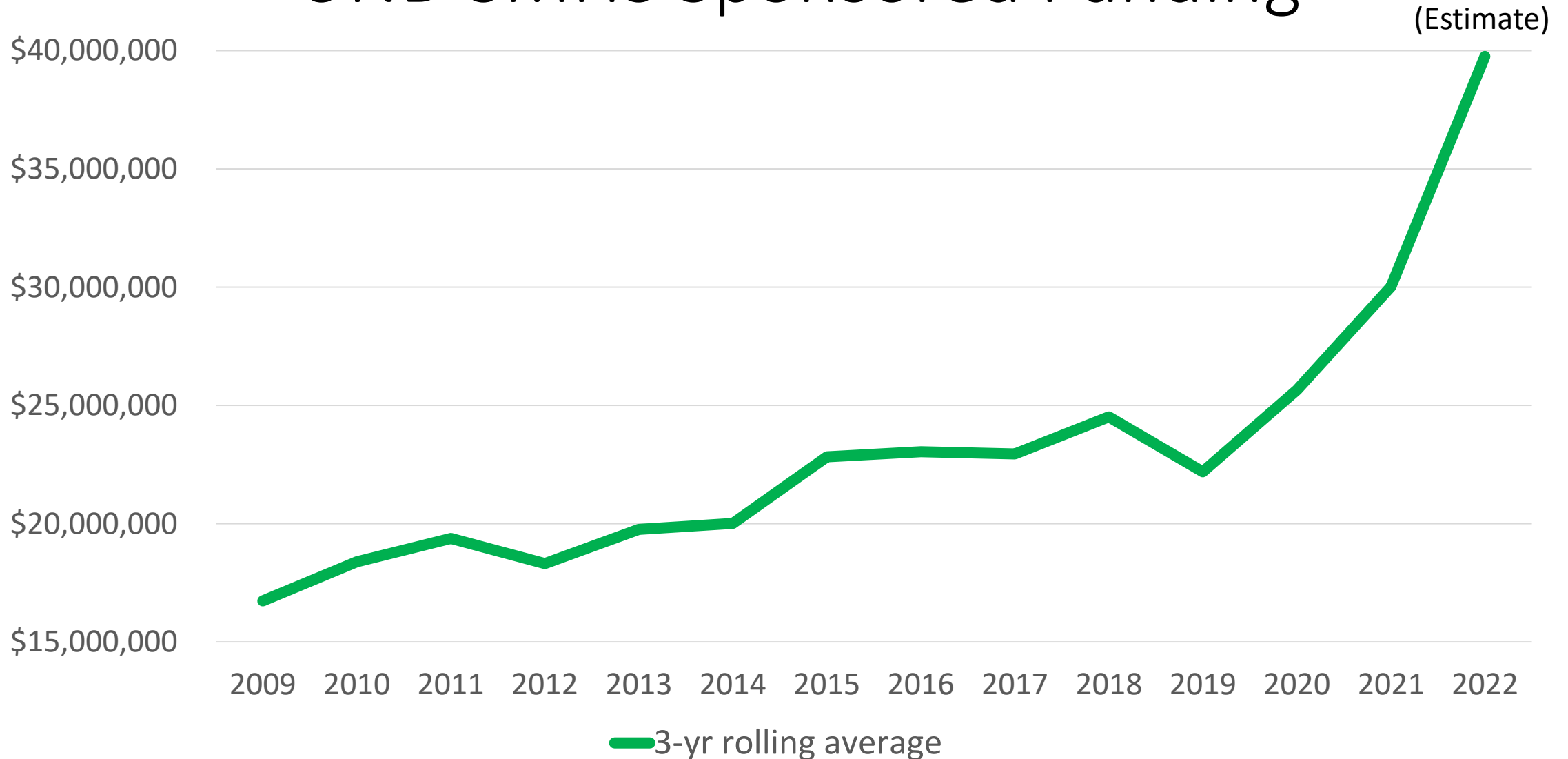
# Research Programs

- We focus on studying diseases of relevance to North Dakota
  - Alzheimer's and other neurodegenerative diseases
  - Diseases of aging
  - Cancer
  - Infectious diseases (vector-borne)
  - Opioid addiction
  - Epigenetics





# UND SMHS Sponsored Funding



# Service to the Community



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



# Healthcare Workforce Initiative

# North Dakota's Healthcare Workforce Initiative Started in the 2011-13 Biennium

- Reduce disease burden → focus on population health
  - Master in public health degree program (coordinated public health programs at UND and NDSU)
  - PhD program in Indigenous health
- Retain more healthcare provider graduates for North Dakota
  - RuralMed Program (that has been expanded over time to include more specialties needed in North Dakota)

# Healthcare Workforce Initiative

- Train more healthcare providers
  - Medical student class increased by 16/year (total of 64)
    - The majority of medical students are from ND or have strong ties here
  - Health sciences students increased by 30/year (total of 90)
  - Resident (post-MD training required prior to clinical practice) slots increased by 36 currently and ramping up to 48 during the 2025-2026 academic year (aided by public “private” partnerships with additional funding from health care systems)

# Healthcare Workforce Initiative

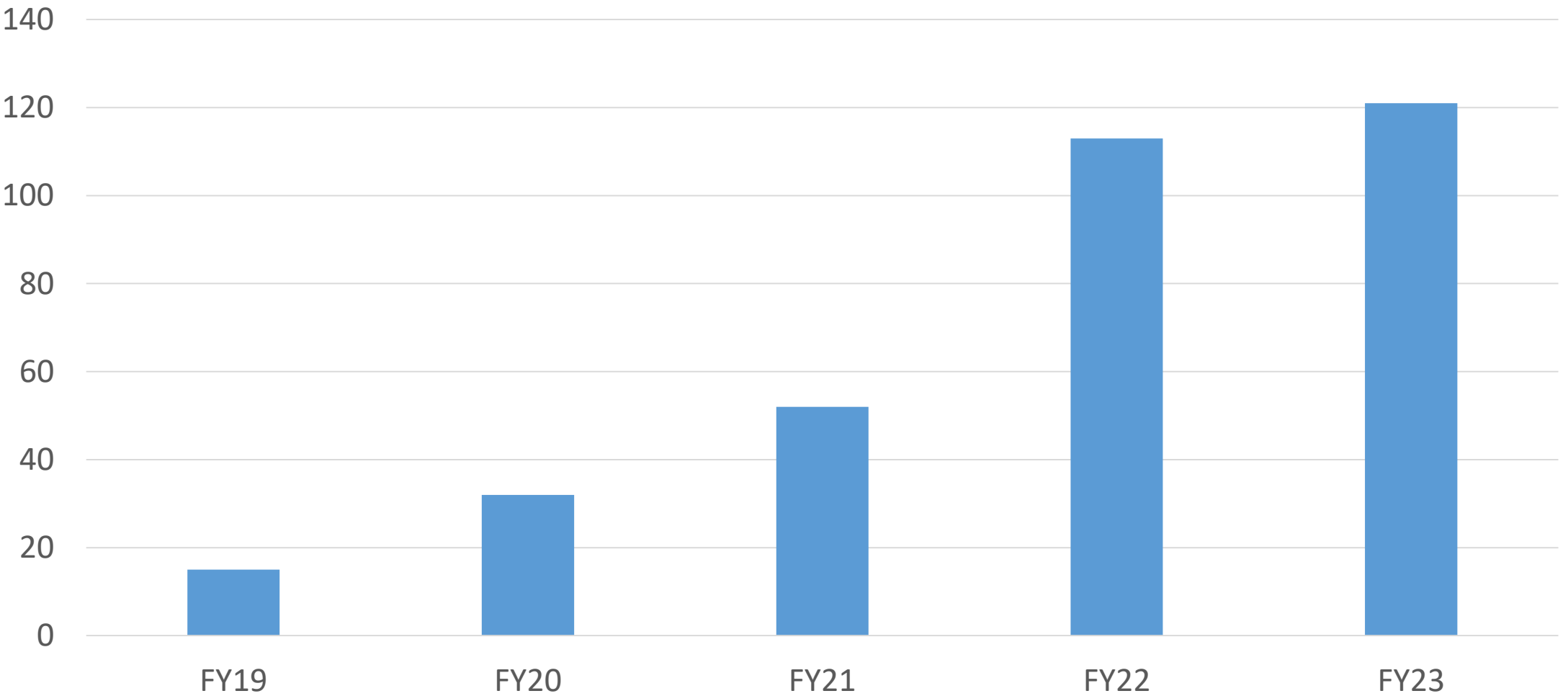
- Improve the efficiency of the healthcare delivery system
  - Training in interprofessional healthcare teams
  - Developing “virtual care” approaches that bring the clinic to the patient rather than the other way around (especially important in rural areas)

# Implementation of Healthcare Workforce Initiative Over the Past Decade

- Increased medical school class size by 25% and residencies by 35%
- Expanded medical student and other academic programs
  - Minot Integrated Longitudinal Experience (MILE) program for medical students
  - New Departments of Population Health, Indigenous Health, Geriatrics, and Emergency Medicine
  - Public Health program
    - Masters in Public Health
    - First-ever Ph.D. program in Indigenous Health



# Number of UND SMHS Public/Indigenous Health Students (Masters and Ph.D. Degrees)





# Implementation of Healthcare Workforce Initiative Over the Past Five Biennia

- Added new post-MD residency programs focusing on rural primary care and other physician provider shortage needs identified in North Dakota
- Intensified clinician retention efforts
  - Attract the majority of future doctors who are from North Dakota to the UND SMHS
  - RuralMed program
- Intensified efforts to train providers dedicated to transforming healthcare delivery
  - Interprofessional teams
  - Virtual medicine



# Our Goals

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

# Our Mission for the last 100 years:

