Sanford Health
2017 Community Benefit Annual Report

Sanford Health is an integrated health system headquartered in the Dakotas. It is one of the largest health systems in the nation with 44 medical centers and 291 clinics in 9 states and 4 countries. Sanford Health’s 28,000 employees, including 1,360 physicians, 921 advanced practice providers and 4,348 registered nurses, make it the largest employer in the Dakotas.

Nearly $1 billion in gifts from philanthropist Denny Sanford have allowed for several initiatives, including global children's clinics, genomic medicine, and specialized centers researching cures for type 1 diabetes, breast cancer and other diseases.

Our Mission: Dedicated to the work of health and healing.
Our Vision: Improving the human condition through exceptional care, innovation and discovery.

Our Values
- **Courage**
  The strength to persevere, use our voices and take action.
- **Passion**
  The enthusiasm for patients and work commitment to the organization.
- **Resolve**
  The adherence to the systems that align actions to excellence, efficiency and purpose.
- **Advancement**
  The pursuit of individual and organizational growth and development.
- **Family**
  The connection and commitment we have to each other through it all.

Sanford Health promise to patients and employees: Deliver a flawless experience that inspires.

Sanford Health Culture
Sanford Health is excited to be on a journey of tremendous growth and momentum. With our vast geography, cutting-edge medicine, sophisticated research, advanced education and our own health plan, we are unique in what we do and how we do it. Through relationships built on trust and successful performance and a vision to improve the human condition, Sanford seeks to make a significant impact on health and healing. With a commitment to diversity and inclusion, our journey as an organization includes continually building on the diverse talents, experiences and beliefs of our employees, as well as the patients and communities we serve. We are proud to be from the Midwest and to impact the world. We look forward to joining with you in the journey.
Overview and Purpose for Sanford’s Community Benefit
Sanford Health is a non-profit organization developed to provide the best care possible for patients at every stage of life and to support healing and wholeness in body, mind and spirit. The communities that we serve inspire us and we strive to remain a diligent corporate citizen that meets the health needs of these communities. Sanford Health is a community asset. As a non-profit organization, Sanford invests back into the medical institution to fund new research and education. During fiscal year (FY) 2017, Sanford Health contributed more than $403 million as community benefit. Support for our mission is demonstrated throughout our community benefit work.

Sanford Health follows the Internal Revenue guidelines and the recommendations of the Catholic Health Association for community benefit reporting. Community benefit includes activities provide treatment or promote health and healing as a response to identified community needs and meet at least one of the following objectives:

- Improve access to health care services
- Enhance public health
- Advance increased general knowledge
- Relieve or reduce the burden of government to improve health

The formalized categories for reporting community benefit include financial assistance, Medicaid shortfall, community health improvement, education, research, subsidized health services, community building, and cash and in-kind contributions.

The purpose of this community benefit annual report is to communicate the work that has transpired during FY 2017. The reported work addresses the identified community needs from the 2013 and the 2016 community health needs assessments and the implementation strategies for the 2014-2016 reporting cycle.

During 2012-13 and 2015-16 Sanford conducted a community health needs assessment for each of our hospital facilities. During the assessment process, Sanford collaborated with numerous community key stakeholders and community partners. The collaborative nature of this work proved to be a beneficial outcome of the process, and the collaboration continues among communities as unmet needs are addressed. Findings from the assessment serve as a catalyst to align expertise and develop a community investment/community benefit plan of action. There is great intrinsic value in a CHNA when it serves to validate, justify and defend not-for-profit status and create opportunity to identify and address public health issues from a broad perspective.

Adoption of Implementation strategies for each medical center within our organization and the reports and strategies are posted on our Sanford web site at: http://www.sanfordhealth.org/About/CHNA

Throughout the CHNA process, Sanford discovered that there were two unmet needs that consistently appeared for many of the communities within its footprint: mental/behavioral health services and services to address and prevent chronic disease including obesity and inactivity, which can be precursors for chronic disease. An enterprise approach to behavioral health and chronic disease is in play as we address those needs.

**CHRONIC DISEASE/INACTIVITY/OBESITY**

An implementation strategy to address obesity is to provide community education programming to address wellness, fitness and healthy living. The following programs are a sample of community benefit contributions for community members.

- **Sanford fit**, a health activation initiative from Sanford Health, continues to expand in the programs it offers, the locations where it is used, and the impact it makes. Sanford fit offers many free resources and programs
that are used regionally and nationally in homes, schools, daycares, after school, in youth sports, and throughout communities. These resources can be found at http://www.sanfordfit.org/ and include:

- **fit4Schools** – uses weekly topics and challenges to teach children about the four key factors of healthy living: MOOD, RECHARGE, FOOD, and MOVE.

  Educators can activate the students by using the:
  - Daily fit calendar that provides a simple message and activity that can be shared and used as a daily announcement to the entire school or a simple activity in the classroom
  - fitBoost that activates three minutes of physical activity with fun and simple movements
  - Weekly topics that are simple modules that take only 5-10 minutes a day and are designed to captivate, educate, and activate healthy behavior choices

  To date fit4Schools is used in all 50 states by over 20,000 educators and 500,000+ students.

- **fitClub** – an after-school recreational program that teaches girls and boys the importance of healthy lifestyle choices through energetic, interactive lessons and games. These 45-minute sessions combine intentional learning, physical activities, and take-home challenges to engage and excite kids about making healthy choices.

- **fitCare** – provides training to teach early childhood caregivers why, what and how to educate young children about healthy choices as well as tips, tools and resources for use in the childcare setting to activate children and educate parents to make fit choices. To date over 2,000 childcare providers have been trained and use the program.

- **fit4 Youth Sports** – a simple program that can be easily incorporated by leagues and coaches into their training sessions, in all kinds of youth sports, to engage kids in making healthy choices all season long.

- The **fit** websites for Juniors, Kids and Teens create an entertaining and interactive on-line environment where they can play games, watch videos and take daily challenges. Parents benefit from their own set of resources where they can find tips and tools on becoming healthy role models and raising fit kids. To date, the children's and parent's sites have received more than 200 million visitors. Over 900 pieces of content have been added to the sites, including videos, slide shows, games, articles, and even fit songs.

- The **fit** friends, Denny, Abby, Sam, Alex and Marty, along with the **fit** team, have been making a variety of appearances at events across the Sanford footprint. fit has been at over 2 dozen events interacting with more than 15,000 children and parents to spread the word about the **fit** platform and resources.
  - Smartphone Apps – Through a series of fun and engaging apps, fit will continue to activate kids at the touch of a fingertip to live a fit and healthy lifestyle related to Mood, Recharge, Food and Move. MOVE2Draw is a simple and fun way for kids to move and create their own unique drawings. Once a drawing is completed, it can be stored on the MOVE2Draw website. eMOODicam is a photo application that allows the user to enhance a photo and bring the mood to life and share with others.
  - Posters, songs, and other downloaded able resources can all be found at [http://www.sanfordfit.org/](http://www.sanfordfit.org/)
Developed by the experts of Sanford Health, Sanford fit is a health activation initiative that empowers children and families to make healthy lifestyle choices that help prevent childhood obesity.

Fit is the only initiative focusing equally on the four key contributing factors to childhood obesity: Food (nutrition), Move (activity), Mood (behavioral health), and Recharge (sleep). Being fit is not just about what you eat and drink or how you move, being fit is about having the right mindset and enough energy to be able to choose healthy foods and to be active.

Sanford’s fit Initiative has come a long way since its inception in 2010. Through fit we are actively working to promote healthy lifestyles in homes, schools, daycares, our clinical settings, and throughout the community by way of technology, engaging programs, and utilizing key role models in a child’s life.

• Family Wellness Centers
  o The Bismarck-Mandan Family Wellness Center opened in January 2017. A partnership between Sanford Health and Missouri Valley Family YMCA, the community facility features more than 70 fitness classes for members of all ages, a gymnasium, an indoor track and child watch services. In 2017, more than 2,000 families from the Bismarck-Mandan area joined Family Wellness and more than $12,000 in financial assistance was granted to children and families in need. Community-wide initiatives designed to improve healthy lifestyle improvement include: Edith Sanford Run/Walk for Breast Cancer – an annual breast cancer awareness event features a 5K run and walk as well as a comprehensive education fair that includes information regarding prevention, screening, treatment and community support programs.
  o Family Wellness Centers in Fargo and Sioux Falls offer classes each week that address wellness for children and families in partnership with Sanford Health and the YMCA. Healthy nutrition and exercise classes geared for children and for adults are offered regularly. The Family Wellness Center is a place for the entire family with drop-in child care, a kid-friendly pool with waterslide, swimming lessons, and an open gym for free play.

• Better Choices, Better Health
  o This chronic disease self-management program helps adults manage the symptoms of chronic diseases, such as arthritis, heart disease, stroke, asthma, lung disease, diabetes, diabetes, osteoporosis and other chronic conditions including pain and anxiety. The evidence-based program developed by Stanford University is free to patients with chronic disease as well as caregivers supporting loved ones and friends with chronic disease.

MENTAL AND BEHAVIORAL HEALTH/BEHAVIORAL HEALTH

The CHNA findings from across the Sanford footprint indicate that the need for mental health and behavioral Health services are increasing. New concerns in the area of behavioral health include the presence of street drugs and narcotic opioid use among community members. Sanford is addressing the problem with new policies for pain management and prescriptions. Sanford Executives and Physician Leaders also serve on the Mayors’ Blue Ribbon Commission on Addiction.

Sanford also continues to address behavioral health needs throughout its large footprint with the integration of primary care and behavioral health. Sanford is providing patient-centered care collaborative teams to meet the needs of Sanford patients.
The following programs are samples of mental health/behavioral health community benefit contributions for FY 2017:

- **Sanford Aberdeen Medical Center**
  - Sanford addresses depression diagnosis through the use of the PHQ-9 assessment tool. The PHQ-9 assessment tool is used in clinical settings to measure the severity of depression. The goal is to reduce the severity. The percentage of patients with major depression or dysthymia and an initial PHQ-9 score greater than 9 whose 6-month score is less than 5 (mild depression) is 10.70%.

- **Sanford Bagley Medical Center**
  - Sanford recruited an additional psychologist for the Bemidji Medical Center and has expanded the service scope in the senior behavioral health unit.
  - An assertive community treatment (ACT) program has been developed to serve severely mentally ill patients in the community and is a facility to develop residential services for mentally ill patients.
  - A community mental health center was acquired to integrate service scope with hospital and ambulatory medical care delivery.
  - A medication assisted therapy program (MAT) was initiated for opioid dependent mothers (Suboxone).

- **Sanford Bemidji Medical Center**
  - Behavioral health services have been integrated into primary care settings through behavioral health screenings, PHQ-9 screening, and behavioral health triage therapists. A peer support advocate is on staff to assist patients with substance addictions.
  - A grant was awarded to Bemidji Medical Center to develop a prevention and early intervention program for pregnant women who are opioid users. The impact of the grant has been to form collaborative relationships with the Red Lake Tribe and Beltrami County to help identify and intervene in order to minimize the impact on newborns.
  - Sanford Bemidji and Sanford Bagley are working with Beltrami County, Upper Mississippi Mental Health Center, and several other community agencies to develop a county-wide continuum of care. Additionally, a high-risk case manager and emergency department care managers assist with the identification and referral of high-risk patients.

- **Sanford Bismarck Medical Center**
  - Sanford collaborated with law enforcement, social services providers, and other community care providers to develop a community-wide continuum of care to meet the behavioral health needs of the county.
  - Sanford provided leadership to serve as the interim director for Face It Together, a non-profit addiction management program. Sanford focused on increasing community stakeholder awareness regarding addiction as well as the importance of recovery services. The interim secured community support to fund a permanent executive director, who has implemented recovery coach training and has begun offering recovery services to community members.
  - Sanford is implementing "Caring for Our Community: Time to Talk Opioids," a six-part education series designed to take a comprehensive look at the opioid epidemic and what our community and health care providers can do to help addiction suffers as well as prevent others from developing the disease of addiction. The first and fourth presentations are open to the public while the other sessions are specifically targeting Sanford Health employees. Topics include: shame and stigma around addiction, socioeconomic impact, community prevalence, recognizing addiction in the workplace, diversion, drug take-back programs, strategies to reduce overdose-related deaths, community treatment and recovery services, and evidenced-based treatment programs including medication assisted treatment (MAT).
Sanford supports the Children’s Advocacy Centers of ND and the Alliance for Children’s Justice through Board membership. Sanford also serves on the Child Protection Team, Crisis Team, National Children’s Alliance Standards Committee, and the Prevent Child Abuse ND Committee.

Sanford has Integrated full-time on-site financial advocates to help uninsured and underinsured apply for health coverage and apply for Sanford Health’s Financial Assistance Program. Established relationship with local public health officials to help patients in need access care and prescription medication. Providing support and assistance to uninsured and underinsured populations via community volunteer work, e.g. support Bismarck/Mandan emergency homeless shelter stakeholders. Sanford is working to provide Medicaid enrollment support on-site at Rock Reservation.

Sanford Sioux Falls USD Medical Center
- Sanford Sioux Falls USD is participating in the community initiative to address mental health issues. Sanford is incorporating peer support advocate (PSA) positions to enhance services for addiction. Additionally, the behavioral health triage therapists (BHTT) are patient-centered and focus on assisting the primary care medical team in identifying, triaging and effectively helping patients manage behavioral health problems or psychosocial comorbidities of their chronic medical disease.
- Mindfulness based stress reduction (MBSR) courses are provided to the community, and specific sessions address breast cancer, neurological conditions and older adults.
- Sanford Medical Center provides nurse case managers in the emergency department to support complex patients who access care in this setting, working with the multidisciplinary team to support the needs of the individual. Referrals are made to mental health and substance abuse resources, medication assistance, and food and housing assistance.

Sanford Thief River Falls Medical Center
- Sanford Thief River Falls has opened a Sanford Behavioral Health Center to meet the behavioral health needs of the region and the state. A chemical dependency counselor is available in the outpatient clinic. Sanford Thief River Falls is working to establish a collaboration of partner organizations focused on behavioral health care to meet the needs of the regional community.

Sanford Fargo Medical Center
- Behavioral health services are fully integrated with primary care settings across clinics in the Fargo Region. Positive improvements have been measured in depression in teens, anxiety in teens, and behavioral health disorder in teens, depression in adults, drug abuse/dependence in adults, behavioral health disorder in adults, patients encountering behavioral health providers.
- Sanford behavioral health experts are serving on the leadership committee of the Mayors’ Blue Ribbon Commission on Addiction.

Additional Community Benefit Contributions

Sanford demonstrates its commitment to providing community benefit through the following specific accomplishments:
- Sanford Heart in Fargo received the 2018 Platinum Achievement Award from the American College of Cardiology, and the National Cardiovascular Data Registry - ACTION Registry for its commitment and success in implementing a higher standard of care for heart attack patients. Sanford Fargo is one of only 203 hospitals nationwide to receive this honor.
- The Joint Commission’s Advanced Certification of Distinction for Primary Stroke Center (Sanford Bismarck and Fargo and Sioux Falls)
- The Joint Commission’s Certification of Distinction for Inpatient Diabetes Care (Sanford USD Medical Center Sioux Falls)
- The American Heart Association National Recognition for Stroke Care (Sanford Medical Center Fargo)
- The American Heart Association Gold Standard Award for EMS - FM Ambulance
The Joint Commission’s Advanced Certification of Distinction for Palliative Care (Sanford Medical Center Fargo)
The Joint Commission’s Accreditation for Total Hip, Knee, Shoulder and Hip Fracture
American College of Cardiology Foundation NCDR ACTION Registry - GWTG Platinum Recognition Achievement Award for high standard of care of heart attack patients (Sanford USD Medical Center, Sioux Falls and Sanford Bismarck Medical Center)
American Heart Association gold standard in STEMI heart attack care and Mission Lifeline Performance Achievement for care of heart attack patients and STEMI (Sanford USD Medical Center, Sioux Falls)
The Society of Cardiovascular Patient Care National Certification for Atrial Fibrillation (Sanford USD Medical Center, Sioux Falls)
The Society of Cardiovascular Patient Care Accredited Chest Pain Center with Percutaneous Coronary Intervention (Sanford Medical Center Fargo)
American Heart Association GWTG Silver Recognition for care of heart failure patients (Sanford USD Medical Center, Sioux Falls)
The American Heart Association Mission Lifeline Heart Attack Receiving Center Accreditation (Sanford USD Medical Center, Sioux Falls, Sanford Medical Center Fargo)
The American Academy of Sleep Medicine Center Accreditation (Sanford Medical Centers in Bismarck, Fargo and Sioux Falls)
The National Athletic Trainers Association 2017 Safe Sports Schools 1st Team Award.
The FBI 2016 Director’s Community Leadership Award – Sanford Health’s Dakota Children’s Advocacy Center (DCAC).
Blue Cross Blue Shield of North Dakota - Blue Distinction Center for knee and hip replacement and spine surgery (Sanford Medical Center Bismarck)
The American Nurses Credentialing Center’s Magnet Recognition for quality patient care, nursing excellence, and innovations in professional nursing practice (Sanford USD Medical Center, Sioux Falls; Sanford Medical Center, Bismarck)
National Accreditation Program for Breast Centers (Sanford Medical Center Bemidji, Bismarck, Fargo and Sioux Falls)
National Quality Measures for Breast Centers Program (Sanford Medical Center Fargo)
American College of Radiology Breast Imaging Center of Excellence - Breast Ultrasound (Sanford Medical Center, Bemidji, Fargo and Sioux Falls)
American College of Radiology Breast Imaging Center of Excellence – Mammography (Sanford Medical Center Fargo, Sioux Falls, Thief River Falls); American College of Radiology Breast Imaging Center of Excellence – Stereotactic Breast Biopsy (Sanford Medical Center Fargo and USD Medical Center, Sioux Falls)
American College of Surgeons Level II Trauma Center (Sanford Medical Center, Bismarck, Fargo and Sioux Falls)
American College of Surgeons National Accreditation Program for Breast Centers, three-year accreditation (Sanford Breast Health Institute, Sioux Falls; Sanford Breast Health, Fargo; Sanford Health, Bismarck)
Becker’s Hospital Review “61 Integrated Health Systems to Know” recognition for achieving a high level of integration through strong physician alignment (Sanford Sioux Falls and Sanford Fargo)
Blue Cross Blue Shield of North Dakota 2012 Bold Innovator Award for achieving best results in diabetes care, vascular care and high blood pressure (Sanford Fargo)
Commission on Accreditation of Ambulance Services (CAAS) three-year accreditation for F-M Ambulance, the only CAAS-accredited service in North Dakota and one of two in Minnesota (Sanford Health Fargo Region)
Commission on Accreditation of Rehabilitation Facilities (CARF) three-year accreditation for inpatient rehabilitation and brain Injury programs for adults and children (Sanford Medical Center, Fargo)
The Minnesota Department of Health Certified Health Care Home (Sanford Medical Center Fargo)
Commission on Cancer of the American College of Surgeons three-year Accreditation with Commendation (Sanford Roger Maris Cancer Center, Fargo and Sanford Cancer Center, Sioux Falls)
Lung cancer screening Center of Excellence (Sanford USD Medical Center Sioux Falls)
National Accreditation Program for Nuclear Medicine (Sanford Medical Center Fargo)
National Accreditation Program for computed tomography (Sanford Medical Center Fargo, Thief River Falls)
• National Accreditation Program for breast MRI (Sanford Medical Center Fargo)
• National Accreditation Program for MRI (Sanford Medical Center Fargo, Thief River Falls)
• National Accreditation Program for Radiation Oncology (Sanford Medical Center Bemidji, Fargo, Sioux Falls)
• National Accreditation Program for Ultrasound (Sanford Medical Center Fargo)
• The American Society for Gastrointestinal Endoscopy Quality Star (Sioux Falls)
• Department of Health and Human Services awards:
  o Bronze Award for Transplant Programs – recognition for quality performance in transplant care - kidney transplants, quality, post-transplant survival rates, transplant rates on wait list patients and pre-transplant mortality rates (Sanford Fargo and Sanford Sioux Falls)
  o Bronze Medal of Honor for Organ Donations - achieving and sustaining national goals for collaborative conversion of organ donations, including a 75%+ donation rate of eligible donors (Sanford Fargo and Sanford Sioux Falls donation rates over 80%)
• Intersocietal Commission for the Accreditation of Echocardiography Laboratories three-year accreditation for fetal, pediatric transesophageal, and pediatric transthoracic echocardiograms (Sanford USD Medical Center, Sioux Falls)
• Intersocietal Commission for the Accreditation of Echocardiography Laboratories three-year accreditation for adult transthoracic, trans esophageal, stress echocardiograms and pediatric transthoracic echocardiograms (Sanford Medical Center Fargo)
• Intersocietal Commission for the Accreditation of Echocardiography Laboratories three-year accreditation for adult transthoracic and stress echocardiograms. (Sanford Health Detroit Lakes, Jamestown, Valley City, Wahpeton, and Perham Health)
• Intersocietal Commission for the Accreditation of Echocardiography Laboratories three-year accreditation for adult transthoracic echocardiograms (Sanford Health East Grand Forks and Pelican Rapids)
• Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program Accredited Centers (Sanford Medical Center Bismarck, Fargo and Sioux Falls)
• Joint Commission Gold Seal of Approval for Bariatric Surgery (Sanford USD Medical Center Sioux Falls)
• Joint Commission Gold Seal of Approval for Hip Fracture, Knee Replacement, Hip Replacement and Shoulder Replacement programs (Sanford USD Medical Center, Sioux Falls, Sanford Medical Center Fargo)
• National Organization on Fetal Alcohol Syndrome recognition of H. Eugene Hoyme, MD with the 2012 Excellence Award for commitment to understand, prevent and treat alcohol-related birth defects
• National Research Corporation (NCR); Health Care Information and Management Systems Society (HIMSS) Stage 6 Electronic Medical Record Adoption recognition for implementation of technology to improve patient safety and care (Sanford USD Medical Center Sioux Falls; Sanford Medical Center Fargo; Sanford Medical Center Aberdeen)
• Accredited by the American Institute of Ultrasound in Medicine (AIUM), Maternal-Fetal Medicine Ultrasound Department (Sanford Medical Center Fargo).
• American College of Radiology Diagnostic Imaging Center of Excellence (Sanford Medical Center Fargo)
• American College of Radiology Accreditation Ultrasound Modules: General, Gynecological, Obstetrical (Sanford Southpointe Clinic, Sanford South University, Sanford Health West Fargo, Sanford Health Moorhead, Sanford Health mobile ultrasound)
• American College of Radiology Accreditation Ultrasound Modules: General, Gynecological, Obstetrical Pediatric, Vascular-Abdominal, Vascular-Cerebrovascular, Vascular-Deep-Abdominal, Vascular-Peripheral (Sanford Medical Center Fargo)
• National Accreditation Program Level II Trauma Center (Sanford Medical Center Bismarck, Fargo, Sioux Falls)
• 2015 Platinum Workplace Partnership for Life Award Campaign from Life Source (Sanford Fargo)
• The Sanford Health EMS Education / NDSCS Paramedic Technology Program located at F-M Ambulance is Accredited by the Commission on Accreditation of Allied Health Education Programs / Committee on Accreditation of Educational Programs for the Emergency Medical Services Professions (CAAHEP/CoAEMSP).
• F-M Ambulance Service, Inc., is accredited by the Commission on Accreditation of Ambulance Services (CAAS).
• Mission: Lifeline EMS Gold Award, F-M Ambulance Service, Inc. (Sanford Medical Center Fargo)
• Blue Cross Blue Shield Blue Distinction Center for Gastric Stapling Procedures (Sanford Medical Center Fargo)
• Blue Cross Blue Shield Blue Distinction PLUS for Gastric Banding Procedures (Sanford Medical Center Fargo)
• Clinic Sciences Institute (CSI) of Optum Bariatric Centers of Excellence (COE) network recertification (Sanford Medical Center Fargo)
• Commission on Accreditation of Medical Transport Systems (Sanford Health Enterprise)
• 2015 Listed in 100 Safe Care Hospitals
• 2015 Community Partner LSS Mentoring Services
• 2015 MBSAQIP Bariatric Certification (12/30/2014 - 12/30/2017)
• 2015 CARF accreditation
• 2015 Commission on Cancer Accreditation
• 2015 Sioux Falls Dialysis CMS Certification
• 2015 Wagner Dialysis CMS Certification
• 2015 Transplant CMS Certification
• 2015 Child’s Voice NCA Accreditation
• 2015 ACOG SCOPE Certification Female Pelvic Medicine
• 2015 Blue Cross Blue Shield Blue Distinction Center for Bariatric Surgery
• 2015 US News & World Report top performer for knee/hip replacement, cardiac bypass surgery, CHF, COPD
• 2015 Friend of Science from South Dakota Teacher’s Association (Sanford Research)
• 2015 Health Care’s Most Wired 2015 Award (partnership with American Hospital Association, Chime, Hospitals & Health Network / sponsored by Cerner and VMWare)
• 2015 Becker’s Hospital Review Top 100 Hospitals with Great Orthopedic Programs
• 2015 Blue Cross Blue Shield Blue Distinction in Spine Surgery
• 2015 Humanitarian Award from Sioux Falls Human Relations Committee (Wellness Center)
• 2015 FDA Blood Bank Inspection
• 2015 SMC Pharmacy Inspection
• 2015 SMC 340B Audit by HRSA
• 2015 SMC Governor’s Award of Honor
• 2015 Sanford Clinic Award for Meritorious Achievement

Sanford Clinic has 1,360 physicians representing 80 specialties. Supporting the five Centers of Excellence of the Sanford integrated health system, Sanford Clinic physicians and clinical teams provide services in Cancer, Women’s, Heart and Vascular, Children’s, Surgery and Trauma, Neuroscience/Orthopedics and Primary Care.

Sanford Clinic Cancer Services include a multidisciplinary team of experts and a pinnacle service in head and neck cancer with NIH-funded research in HPV.

Women’s Services span the entire clinical services spectrum and integrated medicine services including a medical spa. The physician experts provide urogynecology, reproductive endocrinology, gynecology/oncology, genetic counseling, and maternal fetal medicine subspecialty care. Another pinnacle service is the regional Fetal Care Centers located in Fargo, ND and Sioux Falls, SD, which include diagnostic services and fetal surgery.

Heart and Vascular Services provide a strong clinical research program and preventive focus.

Surgical Care for the Sanford Clinic includes bariatric, trauma and general surgery, as well as surgical oncology care, a strong breast cancer program, GI cancer program, and lung cancer program.

General pediatric and subspecialty pediatric physicians support the Children’s Hospital and regional outreach services and national pediatric care.
Additional growth continues in neuroscience and orthopedic clinical services, sports medicine, general and subspecialty care.

A majority of the rural clinics reside in counties designated by the Department of Health and Human Services as medically under-served areas. In each of its outlying locations, the clinic provides primary care services to the community. In many communities, the clinic is the sole provider of physician services. Additionally, in order to improve the breadth, access and integration of care available in these outlying rural communities, Sanford medical specialists reach out to provide part-time services which would not otherwise be available to regional clinics, other hospitals, Public Health Service, and Indian Health Service locations. The clinics offer a full range of medical specialties. Sanford operates 19 walk-in clinics, and also owns and operates the region’s largest provider of home health care with over 63,000 skilled visits. Each year Sanford provides 6.8 million inpatient/outpatient visits and over 8,200 surgical procedures. There are over 200,800 ER visits annually and approximately 8,600 births.

The Medical Home model consists of RN Health Coaches and information technology to serve patients in their primary care location.

Sanford Health supports community health care facilities as they provide care close to home through 45 hospitals, 289 clinics, and 48 senior living and care facilities. Sanford Health supports a network of owned, leased, managed and affiliated facilities to ensure that necessary health care services across a broad range of medical and surgical specialties are delivered locally to the broad service area.

Sanford Health Network’s commitment to local health care delivery is evident in its community-based leadership and local Board involvement. Additionally, our technology deployment in the form of our health system has fully integrated clinical and financial information system remains a priority.

The Sanford Behavioral Health Center in Thief River Falls is the first freestanding behavioral health center in the Sanford footprint and provides much needed services to the region.

In addition to family medicine, internal medicine, pediatrics, OB/GYN and general surgery services that Sanford Health currently provides in Dickinson, the new clinic houses a walk-in clinic, an ambulatory surgery center, infusion services for cancer treatment, and space for mobile MRI and CT scans. The clinic has room for more than 20 physicians and provides accommodations for more opportunities for visiting specialists. Sanford Health is analyzing additional services and community needs for the clinic as well.

Sanford’s new Sanford Medical Center Fargo opened in 2017, and is a world-class facility equipped with the latest technology and staffed by leading medical professionals. The center brings unprecedented medical care to North Dakota and our neighbors in South Dakota and Minnesota. The $494 million project is one of the largest private industry construction projects in the history of the Dakotas and one of the top 10 health care projects in the U.S.

The new Sanford Medical Center Fargo is a 380-bed, 11-story, 1 million square foot project located on the south side of I-94 at the intersection between Veteran’s Boulevard and 51st Street in Fargo, ND. Some of the services that are housed in the new building are Children’s/Prenatal Intensive Care Unit (PICU), Trauma/Operating Rooms, Orthopedics/Neurosurgery, Heart Surgery/Interventional Cardiology, and Emergency Services including the following:

- Children’s/PICU
- 36 general pediatric beds
- 14 PICU beds
- Trauma/OR
- 18 ORs
- 4 angio suites
- Orthopedics/Neurosurgery
- 64 beds
- Emergency Services
- 51 treatment rooms

Sanford Home Health Fargo Region provides skilled nursing care, PT/OT/ST therapy services, home infusion therapy, pediatric care, medical social services, home health aides, homemaking, community foot care clinics, lab draws, Emergency Response System (Lifeline), and guidance allowing individuals to heal and recuperate in the comfort of their home.

Sanford Sioux Falls Home Health provided skilled visits in FY 2017, including SN, HHA, PT, OT, and ST services. Sioux Falls Hospice provided visits to patients in the non-certified program through Sanford’s agreement with the Department of Social Services ASA and the patients served through our agreement for public health services with Brule and Lincoln Counties.

Sanford Home Health and Hospice in Bismarck, ND provides skilled nursing care through various programs. The hospice program promotes and enhances the comfort and dignity of the terminally ill person, the family, and the primary caregivers in the home, and uses the skills of a multidisciplinary team. The skilled home health program provides care by nurses, physical, occupational and speech therapies, and certified care aides to homebound individuals.

Sanford USD Medical Center in Sioux Falls, SD is a 545-bed tertiary care regional medical center. As a provider of highly specialized services, Sanford USD offers Centers of Excellence in heart and vascular, children’s services, cancer, neuroscience, trauma, orthopedics and sports medicine and women’s services. It serves as the primary teaching hospital for the Sanford School of Medicine. Sanford employs more than 12,000 people in the Sioux Falls areas, including 500 board-certified physicians and 350 advanced practice providers (APPs) in 80 medical specialties. Sanford USD Medical Center is accredited by The Joint Commission and is a designated Magnet hospital by the American Nurses’ Credentialing Center.

Sanford Research

Sanford Health is the recipient of the Pontifical Key Innovation Award – 2016

Sanford Research is a non-profit research organization formed between Sanford Health and the University of South Dakota. A transformational gift of $400 million given by Denny Sanford in 2007 has allowed for an expansion of current goals and will enable Sanford Research to become one of the premiere research institutions in the United States and the world. Sanford Health has over 150 open clinical trials and over 350 ongoing clinical studies.

The financial gift from by Denny Sanford has also provided for an expansion of children’s and research initiatives, one of which was to find a cure for type 1 diabetes, and has given Sanford Research significant momentum in its goal of becoming one of the premiere research institutions in the United States and the world.

Most recently, subsequent gifts of more than $200 million by Mr. Sanford have paved the way to establish the Edith Sanford Breast Cancer Research and Sanford Imagenetics.

Sanford Imagenetics is a first-of-its-kind program in the country that integrates genomic medicine into primary care for adults. Sanford Imagenetics has developed initial partnerships with Augustana College and the University of South Dakota to develop new academic programs that train the next generation of doctors, nurses and scientists in genomic medicine.

Uniquely working to create recognized leadership in health research from the foundation of health care delivery, Sanford Health has demonstrated a significant commitment to the recruitment of research scientists and staff. By seeking to have $100 million in annual research expenditures and more than 600 full-time staff in 2017, Sanford
Research/USD will average 30-50 new staff each year. In 2010, the organization conducted $27 million of activity and added 33 new staff. With a team of more than 200 researchers, Sanford Research is comprised of several research centers, including Children’s Health Research, Edith Sanford Breast Cancer, Cancer Biology, Center for Health Outcomes and Prevention, and Sanford’s Sports Science Institute.

**Children’s Health Research Center**
The Sanford Children's Health Research Center continued to grow at sites in Sioux Falls, SD and La Jolla, CA. The center will next include a Center for Rare Diseases.

In 2016, seeking partnerships toward discovery and cures, Sanford held the first annual Sanford Health - USD Biomedical Research Symposium, sharing new concepts and strategies with collaborators at the University of South Dakota. Similar enterprise-status relationships will receive great impetus in the future, as they have with organizations like Pfizer, Novo Nordisk and Medtronic, among many others. In fact, Sanford has begun commercialization and business development activities to engage employed physicians and scientists toward discovery and entrepreneurship.

The mission of the Children's Health Research Center is to conduct basic, translational, and clinical pediatric research. Interdisciplinary approaches are used to understand the underlying basis of a wide array of congenital defects and childhood diseases. Areas of interest include rare diseases, pediatric cancers, neurological disorders, developmental disorders, and genetic and environmental effects on childhood health and disease. In addition, a major initiative within the center is the Sanford Project, which aims to better understand, treat and cure type 1 diabetes. Researchers within the center have expertise in a wide range of disciplines, including molecular biology, cell biology, developmental biology, biochemistry, neuroscience, immunology, and genetics.

The Children’s Health Research Center is led by Kyle Roux, PhD and Jill Weiner, PhD. Research activities are heavily supported by the NIH-funded Center for Pediatric Research, which enables ongoing growth of basic and translational research within the center. The center has also formed collaborative relationships with other leading research and clinical institutions around the globe, including the Sanford-Burnham Medical Research Institute in La Jolla, CA. With a rich and dynamic research environment, the Children’s Health Research Center is actively advancing toward its goal of understanding and treating pediatric disease.

Dr. Kevin Francis recently published his work focused on use of the stem cell model to study Smith-Lenli-Opitz in the journal *Nature Medicine*. His research includes using induced pluripotent stem cells to study rare neurological disorders.

Jill Weiner, PhD, director and scientist in the Children’s Health Research Center, has received nearly $440,000 to support her research of a rare neurodegenerative disease that affects mostly children. She is the recipient of a one-year grant from the Charlotte and Gwethy Gray Foundation to Cure Batten Diseases, created by Kristen and Gordon Gray, whose two young daughters are battling Batten disease. Weiner’s lab is among only a few in the world studying this form of Batten disease, a group of neurodegenerative diseases most commonly found in children that can cause seizures, blindness, motor and cognitive decline and premature death.

In August 2016, Drs. Michelle Baack and Peter Vitello and their lab members, Benjamin Forred, Tricia Larsen, and Angela Wachal, published a study emphasizing the adverse developmental and long-term effects of a maternal high fat diet, alongside late gestational diabetes, on growth of lung vessels and alveoli. This study entitled “Consequences of a maternal high-fat diet and late gestational diabetes on the developing rat lung,” was published in the journal *PLoS One*. This highlighted their collaborative work and showed that the in-utero environment effects both lung maturation and pulmonary circulatory development and the effects persist beyond the newborn period.

In August 2016, at the Gordon Conference on Neural development at Salve Regina College in Newport, RI, Drs. Jill Weimer and Kevin Francis as well as Jon Brudvig, a USD PhD candidate in the Weimer lab, presented research posters on their recent advances in developing a gene therapy for CLN6-Batten disease and their work on a scaffolding
protein called MARCKS that is essential for formation of the cerebral cortex. Dr. Francis presented a poster on their role of lipid homeostasis and associated signaling pathways in neural development and stem cell biology.

March 2016, a delegation of scientists from Sanford including Drs. Jill Weimer, Davis Pearce, Attila Kovacs and USD-SSOM MD.PhD student Ryan Gerats presented on translational research on Batten disease at the Batten Disease: 2016 Update of Translational Research for Management of INCL/LINCL conference.

Clinical Research Center
Sanford Health patients receive the most advanced care and treatment that today's medical research offers through over 350 clinical trials. As part of Sanford Health's legacy in clinical research, Sanford physician scientists lead National Cancer Institute and other nationally sponsored cooperative group study programs involving adult and pediatric oncology. Additionally, a growing variety of industry-sponsored and physician-investigator drug and device trials are conducted through the Sanford Clinical Research Center.

The Sanford Project
The Sanford Project is an emerging translational research center focused on targeted diabetes research. The Sanford Project has one goal - Curing type 1 diabetes - and is designed for results focusing on one of the most promising, fast-moving fields of research - regenerative medicine. The initiative is directed by the Todd and Linda Broin Chair of The Sanford Project.

Edith Sanford Breast Cancer Research
Edith Sanford Breast Cancer Research is pursuing cutting-edge genomic research to identify specific treatments that will work best for each woman, prevent the disease on an individual basis, and ultimately eradicate breast cancer. The initiative is directed by the Edith Sanford Breast Cancer Research Director.

Center for Pediatric Research (NIH COBRE)
The primary goal is to establish a foundation of basic scientists with translational research projects studying developmental mechanisms underlying children’s disease by establishing the Center for Pediatric Research. The Center provides a formalized training program for young, independent scientists, as well as research, administrative and career development resources for affiliated faculty members.

The origin of many pediatric diseases is altered developmental programming related to the processes of cell proliferation, morphogenesis, migration, differentiation, and programmed death. These developmental processes are at the root of pediatric disease and are disrupted through genetic disorders, aberrant fetal programming, altered growth and development, and environmental pressures. Researchers within the center utilize genetic, biochemical, cell and molecular approaches across several model organisms to characterize alterations during development as they pertain to pediatric diseases and disorders. As a result, the Center for Pediatric Research is developing a strong foundation in basic and translational research by fostering a collaborative environment for scientists and physicians in South Dakota.

Center for Genomic and Molecular Medicine
The Center for Genomic and Molecular Medicine at Sanford Research includes research teams focused on understanding the molecular, cellular and genetic basis of heart disease and cancer, including breast, head and neck, ovarian, colon, cervical and lymphoid. The center includes a blood and tissue biobank and a molecular and cytogenetics laboratory, including on-site capabilities in exome and whole genome sequencing.

The Molecular Genetics Division of the Sanford Medical Genetics Laboratory is a clinical diagnosis laboratory with an ever-expanding menu of molecular testing for rare Mendelian disorders such as inborn errors of metabolism, inherited cancer syndromes, and pharmacogenomics.
Sanford Applied Biosciences
Sanford Applied Biosciences has developed the world’s first large animal platform technology to produce fully human antibodies, both monoclonal and polyclonal, using the latest advances in gene engineering and transfer to produce new biopharmaceuticals that help fight disease. The antibodies generated in this unique system have been shown to have high diversity and affinity compared to other genetically engineered animal systems.

Sanford Sports Science Institute
The Sanford Sports Science Institute is internationally known for his research in exercise, heat stress, and athletic health and leadership in the sports medicine community. The Sports Science Institute focuses on new research to address training, competition and rehabilitation challenges for youth and other populations. From this research, the Sports Science Institute partners with sport and sports medicine national governing bodies in developing new educational initiatives, guidelines and policies for safe and appropriate exercise, training and sports participation.

Center for Health Outcomes and Prevention Research (CHOPR)
The Center for Health Outcomes and Prevention Research (CHOPR) specializes in population, translational, and clinical research, as well as in the design and methodology surrounding such studies. Our primary research involves many different areas including infant mortality, childhood obesity, fetal alcohol spectrum disorders, childhood cancer, teen pregnancy, and infertility. Our faculty have a broad range of expertise, specializing in public health, medicine, psychology, reproductive endocrinology, pediatrics, epidemiology, nutrition and biostatistics. A number of our research studies involve engagement and partnerships with American Indian communities and community-based organizations. As a center, we are committed to improving health through education and research in prevention and health outcomes in our local communities and the population at large.

An Evaluation Core where staff are available to advise and manage evaluation requirements for research and service projects includes conducting process and outcome evaluations via qualitative and quantitative methods. A Community Initiatives Core aims to support research collaborations, create a triage process for responding to requests from collaborating organizations or communities and initiating and following through with areas for future development and help form connections between communities and Sanford Research on common areas of interest.

Collaborative Research Center for American Indian Health
The Collaborative Research Center for American Indian Health (CRCAIH) is designed to create a platform to bring together tribal communities and health researchers, from multiple disciplines, to work together in the development of cutting-edge trans-disciplinary research that will address the significant health disparities experienced by American Indians in South Dakota, North Dakota and Minnesota. All projects within the CRCAIH will embrace a “social determinants of health” theme. This theme was selected because of the needs of the region, the immediate applicability of many social determinants of health to public health intervention programming, and the existing strengths within the consortium of partners.

- The Collaborative Research Center for American Indian Health (CRCAIH) was formed in September 2012 upon receipt of a grant from the National Institute for Minority Health and Health Disparities. A central component of CRCAIH is the Community Engagement and Innovation Division. This division works directly with tribally-employed community liaisons to develop each tribe’s research infrastructure according to specifications and requirements set forth by each tribal nation.

The CRCAIH is a trans-disciplinary center that embraces a “social determinants of health” theme and serves to advance research through three research projects in pediatric asthma self-management, kidney transplant donation education, and emergency room utilization. In conjunction, the center offers pilot grants and other resources/curriculum or education in research culture/bioethics, regulation and methodology. These studies, along with the pilot projects, will serve as models and demonstrations of the high quality research that is possible through the partnerships of the CRCAIH. The CRCAIH was created through the vision and collective expertise of numerous partners. Collaborators on the grant include: Cheyenne River Sioux Tribe, Oglala Sioux
Diabetes and Obesity Prevention

- Sanford has been involved in a series of community needs assessment and health promotion activities related to health promotion and prevention of childhood obesity. Using a community-based participatory research model, where communities are involved in each step of the development, implementation and analysis of projects, three tribal communities completed needs assessments involving 90 participants. The health promotion and prevention activities included separate interventions with 2 tribal partners and included 93 children plus parents. This model will be used with four additional tribal communities in the upcoming years. (Grey Owl, PI - funded through NIMHD)

- A project for the prevention of childhood obesity using the community-based participatory research model involving a community needs assessment and an intervention will be involved with two tribes over the next five years to implement interventions and health promotion activities to their respective communities on their reservation. This intervention project is funded by the CDC Community Transformation Grant through the SD Department of Health to the Great Plains Tribal Chairmen’s Health Board and Sanford Research. (Grey Owl, Co Project Director)

- Pilot Study: fitCare Curriculum’s Impact on Children’s and Parent’s Health Habits: Sanford Children’s Health and Fitness Initiative and Sanford Research are partnering to conduct a year-long pilot study to measure the impact of the fitCare curriculum and the fitCare website (alone and in combination) on the health behaviors of children and their parents. (Hanson-PI, funded internally through Sanford Health)

- Rosebud Native American Diabetes Initiative with Novo Nordisk: The Sanford Research Center for Health Outcomes and Prevention Research will provide evaluation services for Novo Nordisk during the implementation of their Native American Diabetes Initiative. Novo Nordisk is partnering with the Rosebud Sioux Tribe to establish a diabetes awareness and education program, build a new wellness center, provide diabetes education to community health representatives and medical providers, and implement a mobile health unit. Sanford Research was awarded a subcontract to monitor and evaluate the process, implementation, and effectiveness of the diabetes initiative program. (Hanson/Baete, funded through Novo Nordisk)

Fetal/Infant Mortality and Morbidity

- Safe Passage Study: In a prospective study to investigate the role of prenatal alcohol exposure in stillbirth and sudden infant death syndrome, the Northern Plains collaborates with two American Indian tribal communities and two urban locations. In total, over 12,000 women and infant pairs from South Africa and the Northern Plains will be enrolled in this study. (Elliott – PI, funded by NICHD)

- Validation of the Northern Plains Diet Screener: This ancillary study to the Safe Passage Study protocol is designed to determine the relative validity of the PASS Northern Plains Diet Screener to multiple 24-hour dietary recalls in pregnant American Indian women. (funded by NIAAA)

- 3-D Imaging of Facial Characteristics in the South African PASS cohort: This ancillary study to the Safe Passage Study protocol is designed to improve understanding of the dysmorphic features in Fetal Alcohol Syndrome through collection of 3D facial imaging data and analysis of the 3D facial images using novel analytic techniques to test whether there are unique facial features in infancy that best discriminate alcohol exposed from control subjects.

- Effects of Prenatal Environment on Brain Development: This is a longitudinal study in preterm infants. The project involves EEG studies in premature infants and is looking at how prenatal alcohol exposure affects brain development. The overall goal of the study is to determine, early in life, which exposed infants are at risk for developing cognitive defects. (Fifer/Myers – PI; Elliott – Co-PI, funded by NICHD)
**Pediatric Health Disparities**

- Emergency Department Use and Care in American Indian Children: This study will assess use and care patterns of pediatric patients presenting to the emergency department. To study these patterns we will collect data from multiple sources including medical records, community engagement, and emergency room providers. Once we obtain the data, we will work on possible interventions to improve emergency room care specifically for American Indian Children. (Puumala-PI, funded through NIMHD as a component of 1U54MD008164 “Collaborative Research Center for American Indian Health”) (Elliott-PI)
- Understanding the Context of Northern Plains American Indian Teen Pregnancy: The purpose of this project is to better understand the context in which American Indian teen pregnancy occurs in the Northern Plains. Bronfenbrenner’s Ecological Framework informs the study’s methodology and analysis. The needs assessment aims to uncover social norms and unique cultural factors that account for the high rates of teenage pregnancy in Northern Plains American Indian communities. We will also examine how factors may differ for reservation and urban youth. Using community-based participatory research methodology, we are using the data collected to develop culturally-based curricula for middle school youth. Finally, we will implement and evaluate a multi-site, culturally sensitive teen pregnancy prevention program for reservation and urban Northern Plains American Indian teens. (Kenyon, PI – funded through NIMHD)
- STI and Teen Pregnancy Prevention Initiative: The purpose of this project is to implement an evidence-based STI/teen pregnancy prevention curriculum that also promotes adulthood preparation. A qualitative and quantitative needs assessment was implemented to help modify existing curriculum being implemented in three tribal communities in SD, NE, and IA. (Kenyon, Co-PI – funded through DHHS)

**Reproductive Medicine**

- Lifestyle Influence on Fertility Evaluation (LIFE) study: Male factor infertility affects about half of all couples presenting for infertility treatment, yet its causes remain largely unknown. In South Dakota, some potential risk factors are more prevalent, including smokeless tobacco use and pesticide exposure. This study will explore the possible relationship between risk factors and infertility treatment outcomes in a variety of ways to sort out these complications through the use of additional semen analysis and statistical modeling. The clinical sperm sample will also be used to assess DNA methylation as a tool to further link environmental exposures to treatment outcome. This study will provide insight into how environmental factors affect sperm function and, ultimately, infertility treatment success. (Puumala/Hansen- Co- PI, funded through a Sanford Health Seed Grant)

**Student Training**

- Health Care Career Day: Approximately 100-150 middle and high school students surrounding a tribal community participate in an educational day focused on health care careers in partnership with a tribal college. (Yutzenka/Kenyon, Co-PI’s – funded through NIMHD)
- Summer Undergraduate Research Experience: Across three summers, 24 American Indian undergraduate students have worked with research mentors at Sanford Research, USD, and the VA to receive hands-on experience in public health, applied and basic science projects. (Kenyon, Program Director – funded through NIMHD)

**Urinary Incontinence**

- Urinary incontinence is the involuntary loss of bladder control, an issue that affects nearly 25 million people/women. The Incontinence Inventory in Native Americans (IINA) project is focused on helping the women in a Northern Plains tribe who have suffered silently with this condition. This is a two-phase study with the initial phase (Phase I) evaluating the prevalence rate of stress urinary incontinence among women from a Northern Plains tribe. Using a validated survey, these women are assessed using their results of the Urinary Distress Inventory (UDI), which is imbedded in the Phase I survey. If the women score positive on the UDI, they are eligible for Phase II.
Phase II of IINA examines the feasibility of conducting individualized interventions in a rural setting. A physical exam is given by the project’s nurse navigator. This exam takes place at the project’s outreach clinic within the communities’ local IHS facility. Based upon this initial assessment with the nurse, a treatment plan is discussed with the participant’s primary care provider and the participant. The participant will choose the best intervention for them at that time (behavioral or surgical). Following their chosen intervention, the participants are evaluated using a series of surveys throughout a 12-15 month time period. (Benson/Fiegen-Co-PI’s-funded through NIMHD)

**Vitamin B12 Deficiencies**
- From newborns to elders, vitamin B12 deficiency is known to cause permanent neurologic deficits. There is no consensus on how to make the diagnosis early enough to prevent this damage, since clinically the early signs are too vague and the serum testing has significant technical challenges impacting accuracy. The research at Sanford is aimed at improving the diagnostic process to prevent debilitating neurologic deficits. (Wescott-PI)

**The Sanford PROMISE**
With the goal of growing and nurturing the Midwest’s science-based economy, The Sanford PROMISE provides education and outreach programs for students, educators, and science-minded people within the communities that Sanford Health serves. K-12 students have the opportunity to participate in research at Sanford through a variety of ways, including the Life Science Discovery Program, Research Shadowing Program, PROMISE Summer Scholars Program, or through programming at The Sanford PROMISE community lab, located at Sanford Health’s headquarters in Sioux Falls, SD.

Undergraduates can participate in the Research Shadowing Program, the National Science Foundation Research Experiences for Undergraduates (NSF REU) Sites in Cell and Molecular Biology at Sanford Research and Augustana College, the Sanford Program for Undergraduate Research (SPUR), or the Summer Undergraduate Research Experience (SURE) for Native American students.

Educators can participate in the PROMISE Educator Enrichment Workshop and Science Educator Research Fellowship programs.

Sanford Research continues to lead the way in education, innovation and discovery. Most recently, a partnership with the PAST Foundation has allowed for the development of the South Dakota Innovation Lab, which is dedicated to improving education by promoting trans-disciplinary, problem-based learning in an integrated STEM approach.

**Cancer Research Biology Center**
The Cancer Biology Research Center features basic and translational research with strengths in breast, head and neck, ovarian, colon, cervical and lymphoid cancers. The center is directed by Keith Miskimins, PhD. Research teams are working on projects aimed at understanding the molecular, cellular and genetic basis of cancer that can lead to the discovery of new biomarkers, drug targets and novel therapies which will improve the health and survival of cancer patients.
Analysis of the 2016 Fiscal Year Community Benefit Inventory Data

Sanford Health contributed over $403 million in community benefit during FY 2017.

The annual community benefit report is divided into two sections. The first section captures the losses incurred through the provision of traditional medical care and the second section captures expenditures in community benefit programmatic categories. An explanation of the FY 2017 data follows.

**Charity Care and Other Means-Tested Government Programs**
Charity Care is free or reduced health services provided to persons who cannot afford to pay and who meet the organization’s financial assistance policy criteria. Charity Care is reported in terms of cost, not charges, and does not include bad debt. Government-sponsored means-tested health care community benefit includes unpaid costs of public programs for low income persons. This reflects the shortfall that is created when the facility receives payments that are less than the cost of caring for public program beneficiaries. This payment is not the same as contractual allowance, which is the full difference between charges and government payments. The unpaid cost of public programs (Medicaid) and Sanford Health’s contribution for Charity Care for FY 2017 was $257,518,580.00. At Sanford, the Charity Care program is known as the Community Care Program.

**Community Health Improvement Services**
Community Health Improvement Services are activities that are carried out to improve community health, extend beyond patient care activities, and are usually subsidized by the health care organization. These services do not generate patient care bills.

Sanford contributed $7,903,786.00 for Community Health Improvement Services, which include community health education, and community-based clinical services.

Community health education includes lectures, presentations, and other group programs and activities apart from clinical or diagnostic services. Key components of this category include the following community health education services, which detail just some of the programs contributed by Sanford Health Fargo during FY 2017:

- The My Sanford Nurse Program (formerly called Ask-A-Nurse) served over 74,000 individuals from throughout the footprint and nation during FY 2017 and provided a community benefit of $989,527.00 with more than 29,000 nursing staff hours.
- Community-based licensed registered dietitians provided community benefit contributions through nutrition presentations.
- Car Fit services for seniors where senior patients are evaluated by an occupational therapist to make certain that the car is adjusted to the patient’s needs and assuring that every effort is made to improve safe driving conditions.
- The Diabetes Advisory Board is part of the national certification as an American Diabetes Association Program. This Advisory Board is comprised of health care professionals and patients who work to improve the care and outcomes for patients with diabetes.
- Family parenting and sibling classes, birthing classes, breastfeeding classes, and Caring for Your Newborn class.
- The Workforce Development K-12 contributions include the Adopt-a-School Program with Horace Mann and Roosevelt Elementary Schools, Career Days, Youth Medical Experience, and SCRUBS Camp.

Community-based clinical services are services and screenings provided on a one-time basis or as a special event in the community. These services are designed to meet identified community needs or improve community health. Key components of Sanford community-based clinical services for FY 2017 include the following:

- Biomed outreach is provided to the Family HealthCare Center, a federally funded clinic. The physics team assures quality standards are met.
• Support services for the homeless population in our area, including the Cooper House, the Coalition for Homeless, the Community of Care Task Force, Churches United for the Homeless, and Gourmet Soup Kitchen.
• Foot Care Clinic.

Health Professionals Education
Sanford Health is committed to investing in education. Each day, medical students, dietitians, pharmacists, respiratory therapists, occupational therapists, nuclear medicine, nursing students and other health care workers receive training at Sanford and stay to begin their careers with us or move on to other organizations where their Sanford training will be a benefit far beyond our walls. Sanford also hosted many professional development symposiums during FY 2017, including the annual Cardiovascular Symposium, the Diabetes Symposium, and Infection Connection and the Behavioral Health Summit. These were expert-led workshops and hundreds of health care providers attended. The contribution for health professional education during FY 2017 was $14,836,321.00.

Subsidized Health Services
Subsidized Health Services are clinical programs that are provided despite a financial loss so significant that negative margins remain after removing the bad debt, charity care, and Medicaid shortfalls. The service is provided because it meets an identified community need and if Sanford not offer it, it would either be unavailable or fall to the responsibility of government or another not-for-profit organization. Examples from our work include the renal dialysis services and radiology screenings during the Legs for Life event. During FY 2017, $95,223,587.00 was contributed to subsidizing health services.

Research
Contributions to research include clinical and community health research as well as studies on health care delivery that are generalizable, shared with the public and funded by a tax-exempt entity, the government or by our own organization. We do not count research that is used only for internal purposes or is proprietary. Research in this category may involve research papers prepared by staff for professional journals or presentations, or it may be a study of community health and the incidence rates of conditions for special populations. Sanford contributed $15,549,489.00 to research during FY 2017.

Cash and In-Kind Contributions to Community Groups
In-kind services include hours contributed by staff to the community while on work time. This category may also include overhead expenses and the donation of equipment and supplies. Cash donations are provided to other not-for-profit community organizations, and are aligned with the mission and strategic priorities to meet the community needs. During FY 2017 Sanford contributed $12,335,806.00 in cash and in-kind to other not-for-profit organizations.

Community Building Activities
Community Building Activities include programs and services that address the cause of health problems such as poverty, homelessness, and environmental problems. Key components of this category include physical improvements and housing, economic development, community support, environmental improvements, coalition building, leadership training for community members, workforce development, and advocacy for health care improvements. Examples of Sanford’s Community Building Activities include the Community of Care Task Force and leadership participation in the Chamber of Commerce and the Economic Development Council. Sanford contributed $760,708.00 in Community Building Activities during FY 2017.