

Touching Lives. Transforming Health Care.

College of Nursing and Health Innovation • 2017-18 Annual Report



College of Nursing and Health Innovation

UNDERGRADUATE NURSING

- Bachelor of Science in Nursing
 - Prelicensure BSN
 - RN to BSN
 - Honors Degree Program

GRADUATE NURSING

- Master of Science in Nursing
 - Adult Gerontology Acute Care Nurse Practitioner
 - Adult Gerontology Primary Care Nurse Practitioner
 - Family Nurse Practitioner
 - Neonatal Nurse Practitioner
 - Psychiatric/Mental Health Nurse Practitioner
 - Pediatric Acute Care Nurse Practitioner
 - Pediatric Primary Care Nurse Practitioner
- Nursing Educator Certificate
- Post-Master's Certificate
- Doctor of Nursing Practice
- Doctor of Philosophy in Nursing

KINESIOLOGY

- Bachelor of Science in Exercise Science
- Bachelor of Arts in Kinesiology
- Bachelor of Science in Public Health
- Master of Science in Exercise Science
- Master of Science in Athletic Training
- Doctor of Philosophy in Kinesiology
- Graduate Certificate in Public Health Practice

CENTERS

- Center for Healthy Living and Longevity
- Center for Hispanic Studies in Nursing and Health
- Center for Research and Scholarship
- SmartCare Technology Development Center
- Smart Hospital

COMMUNITY PROGRAMS

- FitSTEPS for Life at UTA
- MavFit Exercise and Wellness Counseling



The College of Nursing and Health Innovation is a National League for Nursing Center of Excellence.



The baccalaureate degree in nursing, master's degree in nursing, Doctor of Nursing Practice, and post-graduate APRN certificate at The University of Texas at Arlington are accredited by the Commission on Collegiate Nursing Education.



The athletic trainer program in the Department of Kinesiology is accredited by the Commission on Accreditation of Athletic Training Education.



A Message

From the Dean

“Our faculty
and students
collectively put in
tens of thousands
of hours each
year serving
members of the
community.”

By every numerical measure, The University of Texas at Arlington's College of Nursing and Health Innovation is a leader in research, service to the community, and creating the next generation of health care workers.

This year alone, our researchers have attracted more than \$5 million in grants from organizations as varied as the National Institutes of Health and the National Science Foundation. Our faculty and students collectively put in tens of thousands of hours each year serving members of the community.

The College remains a leader in expanding access, a commitment that makes our nursing program, with an enrollment of more than 20,000, the largest of its kind in the United States. The first-time pass rate of our NCLEX exam is more than 90 percent. Our athletic training students have 100 percent pass on their licensing exams, and the nurse practitioner students all have certification rates above 95 percent.

But these figures don't even begin to tell half the story. Behind these numbers is a deep well of talented faculty, researchers, administrators, and staff whose unstinting commitment to excellence has transformed the College into one of the nation's most respected centers for health care education. They include a new Fellow of the prestigious American College of Cardiology; a 2018 Emerging Educator of the Year by the National Athletic Trainers Association; a University of Texas System Regents' Outstanding Teacher Award recipient; a faculty member dedicated to diversity in nursing, suicide prevention, and mental health; and an administrator who has influenced health care and nursing education locally and globally.

You will meet some of them in this 2017-18 annual report. Together with their colleagues they are helping advance health and the human condition.

Anne R. Bavier

Anne R. Bavier, PhD, RN, FAAN

Dean and Professor
College of Nursing and Health Innovation

By the Numbers



2017-18 ENROLLMENT
26,407

Nursing
24,941
Undergraduate = 19,018
Master's = 5,764
Doctoral = 159

Kinesiology
1,466
Undergraduate = 1,344
Master's = 105
Doctoral = 17

2017-18 GRADUATES
4,016

Nursing
3,748
Undergraduate = 3,069
Master's = 666
Doctoral = 13

Kinesiology
268
Undergrad = 235
Master's = 32
Doctoral = 1

SCHOLARSHIPS AWARDED

2016-17
Recipients = 109 **\$174,000**

2017-18
Recipients = 155 **\$195,900**

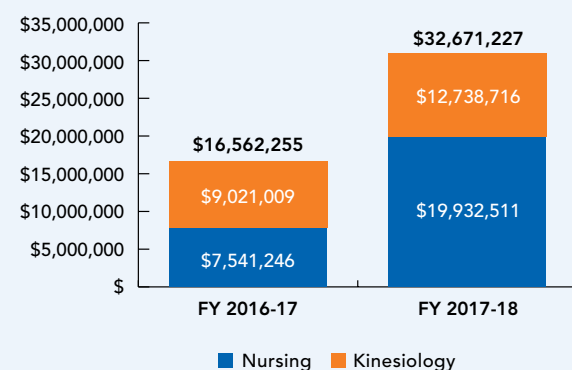
CLINICAL PLACEMENTS

UNDERGRADUATE NURSING
Placements = 5,254
Sites = 128

MASTER OF SCIENCE IN ATHLETIC TRAINING
Placements = 73
Sites = 44

GRADUATE NURSING
Placement = 2,378
Sites = 1,528

GRANT PROPOSAL SUBMISSIONS



2016-17 SUBMISSIONS (43)
Nursing = 19
Kinesiology = 24

2017-18 SUBMISSIONS (60)
Nursing = 32
Kinesiology = 28

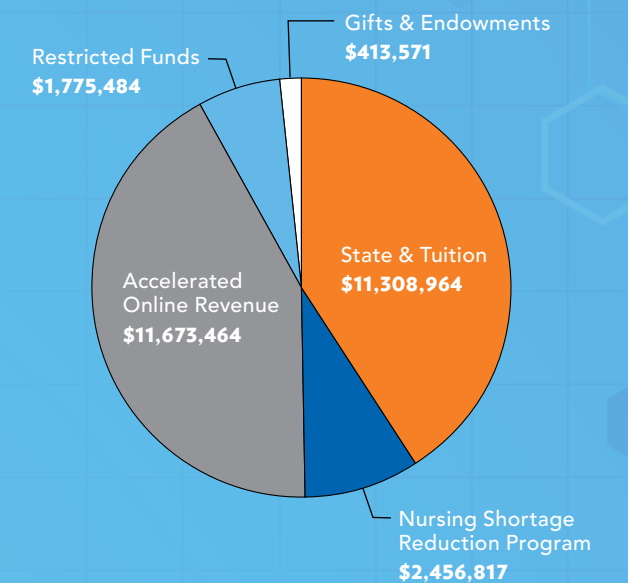
2017-18 SPONSORED PROJECTS

Awards
24 \$10,986,811

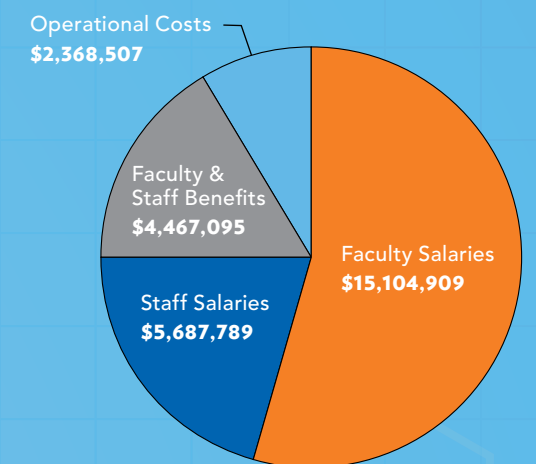
- AMERICAN HEART ASSOCIATION**
Nursing = \$106,532 Kinesiology = \$268,449
- HEALTH RESOURCES AND SERVICES ADMINISTRATION**
Nursing = \$1,336,043 Kinesiology = \$48,972
- NATIONAL INSTITUTES OF HEALTH**
Nursing = \$1,018,096 Kinesiology = \$2,782,239
- NATIONAL SCIENCE FOUNDATION**
Nursing = \$0 Kinesiology = \$250,000
- OTHER**
Nursing = \$26,500 Kinesiology = \$59,200
- PENDING AWARD TRANSFERS**
Nursing = \$760,090 Kinesiology = \$4,330,690

FACULTY
Full-time, part-time, on-campus, and online
NURSING = 471 KINESIOLOGY = 40

2017-18 SOURCE OF FUNDS



2017-18 EXPENDITURES



\$27,628,300

Student Organizations

ARLINGTON NURSING STUDENTS' ASSOCIATION is the local chapter of the National Student Nurses' Association, a national organization of student nurses that provides a gateway to professional nursing organizations.

ASIAN-AMERICAN STUDENT NURSING ASSOCIATION serves as a liaison between the Asian-American community, nursing students, faculty, staff, and professionals.

ATHLETIC TRAINING STUDENT ASSOCIATION seeks to promote and advance the athletic training profession, encourages the exchange of ideas, and develops and maintains professional relationships.

BLACK STUDENT NURSING ASSOCIATION functions as a support and networking group for African-American students. It forges a bond among nursing students, encourages a positive self-image, and assists in student recruitment.

HEALTH INNOVATION CONSTITUENCY COUNCIL represents all College of Nursing and Health Innovation students and serves as a liaison to faculty and professionals.

HISPANIC STUDENT NURSING ASSOCIATION builds partnerships between students, family, community, and the College to promote the successful development of Hispanic students as professional nurses.

KAPPA DELTA PI recognizes excellence in education and elects to membership those who exhibit the ideals of scholarship, high personal standards, and promise in teaching and allied professions.

MALE STUDENT NURSING ASSOCIATION promotes nursing as a career path for male students and supports current students, providing social and service opportunities.

SOCIETY OF KINESIOLOGY SCHOLARS is dedicated to health and fitness through activities, athletics, fundraising, and various community outreach programs.



Research Laboratories

APPLIED PHYSIOLOGY AND ADVANCED IMAGING LABORATORY focuses on questions relating to human health and cardiovascular disease.

BONE VASCULAR AND MICROCIRCULATION LABORATORY examines the interaction between blood vessels and bone in states of health and disease.

DR. MARCO BROTTO'S LABORATORY investigates muscle physiology and musculoskeletal disease.

DEVELOPMENTAL MOTOR COGNITION LABORATORY, the only lab of its kind in the world, explores screening and diagnostic tools related to motor coordination disorders in children.

DISABILITY SPORTS LABORATORY investigates the fitness levels of athletes who rely on wheelchairs for mobility, either due to injury or congenital diagnosis.

HUMAN NEURAL CARDIOVASCULAR CONTROL LABORATORY investigates neural cardiovascular control in human health and disease.

INTEGRATED CARDIOVASCULAR EXERCISE PHYSIOLOGY AND REHABILITATION (ICARE) LABORATORY examines the biological mechanisms for the decline in health-related fitness and function in individuals at risk for or with heart failure.

INTEGRATIVE IMMUNOLOGY LABORATORY focuses on how the immune system interacts with other tissues to regulate cardiovascular and metabolic function.

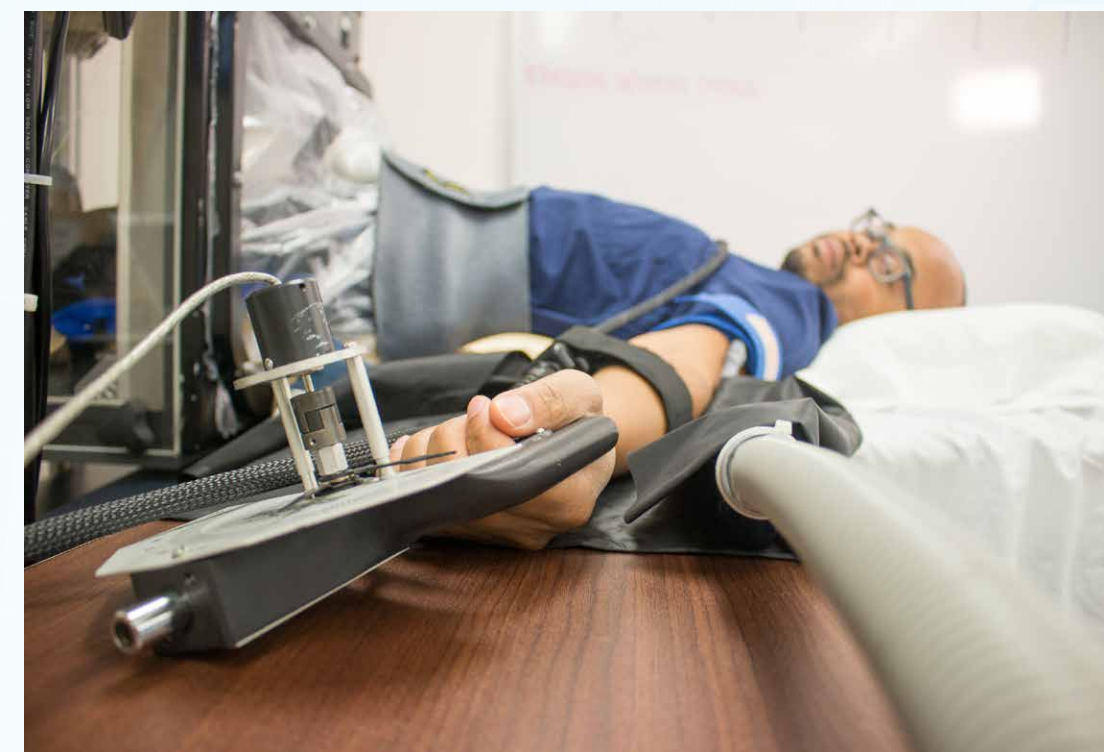
INTEGRATIVE VASCULAR PHYSIOLOGY LABORATORY investigates the mechanisms of impaired autonomic and vascular function in selected at-risk/diseased populations.

DR. ZUI PAN'S LABORATORY works to find solutions for esophageal cancer.

PHYSICAL ACTIVITY LABORATORY works with teacher candidates and strives to improve health in young people through physical activity. The lab and student teachers work with middle school students.

THERAPEUTIC INTERVENTIONS RESEARCH LABORATORY contributes to the knowledge in athletic training, especially treatment and rehabilitation.

A subject in the College's Applied Physiology and Advanced Imaging Laboratory prepares to have his vitals taken.



“If you don’t understand the ‘why’ behind what is happening with your patient, then you are not thinking critically.”



Regina Urban, Ph.D.
Assistant Clinical Professor, Undergraduate Nursing

Regina Urban

NURSE EDUCATOR, MODEL TEACHER

As an instructor, Regina Urban lives by a few guiding principles: honoring and respecting students, partnering with students in their success, and transforming 50-cent words into 5-cent ones so students can learn complex nursing concepts more easily.

These have made Dr. Urban, an assistant clinical professor of nursing, a popular faculty member and one of the most respected within the University of Texas System. She received the 2018 UT System Regents’ Outstanding Teaching Award, which recognizes commitment and the highest quality undergraduate instruction. In 2017, she received the Provost’s Award for excellence in teaching and CONHI’s teaching award.

A nurse for more than 20 years, Urban has worked in acute care, nursing staff development, and nursing education. She teaches undergraduate courses in pathophysiology and nursing research. Both courses are grounded in two of her passions: critical thinking and research.

“If you don’t understand the ‘why’ behind what is happening with your patient, then you are not thinking critically,” she says. “The public counts on us to recognize when something is not right, to take action, and to alert the team.”

David Keller

SEASONED TEACHER, RESEARCHER, ADMINISTRATOR

Since becoming chair of the Kinesiology Department four years ago, David Keller has overseen dramatic developments, including the introduction of a doctoral degree and a public health program.

In the last few years, the department also has become a magnet for respected research faculty who together have attracted more than \$5 million in grants in the past year.

“What we have now, in terms of our research footprint, creates entirely new opportunities for student and faculty recognition that has taken us to another level,” says Dr. Keller, who holds a bachelor’s degree in exercise science from UTA. “We’ve got such a strong core now in our faculty. We’re going to continue to attract junior and senior faculty.”

Last May, the department conferred its first Ph.D. degree in kinesiology. The presence of a viable doctoral program, coupled with the rise in research grants, means the department will be ranked highly by evaluators in the coming years.

Keller is more than just a strong administrator; he is also a respected cardiovascular researcher who has published scores of scholarly articles and given dozens of presentations.

He serves on the Texas Higher Education Coordinating Board’s Kinesiology Field of Study Advisory Committee and on the Texas Academic Leadership Academy Board. In 2018-10, he will be a site visitor for Michigan Technological University’s kinesiology program.



“What we have now in terms of our research footprint creates entirely new opportunities for student and faculty recognition that has taken us to another level.”

David Keller, Ph.D.
Associate Dean, Chair and Professor, Kinesiology

“I think the Ph.D. will provide a stronger platform of influence. I want to be a voice not only for Latinos but also for minority nursing students.”

Griselle B. Estrada
Ph.D. Student
Clinical Assistant Professor,
Undergraduate Nursing



Griselle B. Estrada

LATINO POPULATION ADVOCATE

Griselle B. Estrada doesn't see her work as a nurse educator and mentor as a job; she views it as a calling. Since joining the faculty in 2009, Estrada has mentored scores of students. She also serves as faculty adviser of the Hispanic Student Nursing Association, a role that earned her UTA's Student Activities and Organizations Adviser of the Year award in 2015.

Now she's about to add a third role: nurse researcher. Estrada is pursuing a Ph.D. degree in nursing and hopes to focus on suicide prevention and mental health promotion in the Latino population. Since Latinos are a diverse and growing population, she says more mental health research information is needed on the various subgroups.

During the 2017-18 school year, she received two national awards: a Johnson & Johnson Campaign for Nursing's Future-AACN Minority Nurse Faculty Scholarship and the Substance Abuse and Mental Health Services Administration's Minority Fellowship Program at the American Nurses Association. Both provide tuition support, mentoring, and opportunities for leadership development.

Estrada said she was motivated to pursue her Ph.D. when she heard a speaker at the National Association of Hispanic Nurses conference talk about the need for more minority educators and researchers.

As a teacher and mentor, she said, "I think the Ph.D. will provide a stronger platform of influence. I want to be a voice not only for Latinos, but also for minority nursing students."

Beth Mancini

PIONEER LEADER IN NURSE EDUCATION

In fall 2017, Beth Mancini was appointed the Flanders Visiting Professor at McGill University, the first nurse to be so honored.

It was yet another laurel in Dr. Mancini's long and distinguished career. She has twice been a visiting scholar at the University of Pennsylvania School of Nursing, a recipient of the University of Rhode Island's Distinguished Achievement Award, and a winner of the UT System Regents' Outstanding Teaching Award.

Mancini, the College's senior associate dean for education innovation, is known nationally for her work in an array of nursing education policy and curriculum areas. She is the co-chair of the National League for Nursing's Commission's Program Review Committee on Education Accreditation, a former president of the International Society for Simulation

and Health Care, and a Fellow of the American Heart Association's Nursing Academy, the American Academy of Nursing, and the National League for Nursing's Academy for Nurse Educators. She also served on a World Health Organization work group. Back in 2000, she developed a registry for in-house resuscitation at the American Heart Association. It is now the world's largest.

Mancini is particularly proud of her work in expanding access to nursing education at the College.

"We expanded the pre-licensure nursing program at a time when others were turning away large numbers of qualified candidates," she says. "We also expanded our traditional and online programs. These steps have had a significant impact on mitigating the nursing shortage in the state."

“We expanded the pre-licensure nursing program at a time when others were turning away large numbers of qualified candidates.”

Beth Mancini, Ph.D.
Senior Associate Dean for Education Innovation,
Undergraduate Nursing





“I’ve been surrounded by wonderful faculty. I thought that as an online student I would have limited access to professors.”

Esmeralda Sutton
*Accelerated Online BSN Senior,
Undergraduate Nursing*

Esmeralda Sutton

LEARNING WITH SUPPORT

In the College’s highly competitive undergraduate nursing program, Esmeralda Sutton is one dedicated and tough star.

Since enrolling in fall 2017, she has received nearly \$15,000 in scholarships. Sutton is the editor of the Texas Nursing Student Association and a former vice president of the UTA chapter of the National Student Nurses’ Association. She received the College’s Jean Ashwill Leadership Award for nursing leadership and the Ruby B. Dean Endowed Scholarship.

Sutton is also a fighter. Two days after beginning nursing school, she learned she had ovarian cancer. Her family encouraged her to drop out, but she balked.

She said her classmates and faculty were remarkably supportive.

“My study group arranged for the study sessions to be close to my house,” says Sutton, who will graduate in December 2018. “I’ve been surrounded by wonderful faculty. I thought that as an online student I would have limited access to professors. I became attached to Professor Sara Washington. She would call me on weekends and let me know I was important to her.”

Jake Samuel

PROLIFIC SCHOLAR AND STUDENT

In less than two years as a doctoral student in the College’s kinesiology program, Jake Samuel has published nine papers in scholarly publications such as *Cardiology & Physiology*, *Clinical Cardiology*, and *Applied Physiology*.

His research focuses on trying to understand how heart muscles respond to stress tests. He hopes to find health solutions for people with impaired hearts.

Samuel, who holds bachelor’s and master’s degrees in sports and exercise science from Cardiff Metropolitan University in his native Wales, demonstrated a flair for research early in his college career. As an undergraduate, he published a paper in a research journal.

Last spring, he received a competitive American Heart Association pre-doctoral fellowship, a first for the College, which provides salary and research support for two years. Samuel, a member of the Ph.D. program’s inaugural class, will use the funds to study the role of diastolism in patients with coronary microvascular disease, an ailment that mostly afflicts women and often is misdiagnosed.

Samuel said he chose UTA because of its respected group of researchers.

“My experience at UTA has been very fulfilling,” says Samuel, who aspires to become a professor and run his own research program. “I enjoy learning from world-renowned faculty members in the program. I knew about them before I came here.”

“I enjoy learning from world-renowned faculty members in the program. I knew about them before I came here.”

Jake Samuel
Ph.D. Student, Kinesiology





“I feel like there’s no challenge that can’t be overcome because of my experience at UTA.”

Joe Don Cavender
’94 B.S.N., ’99 M.S.N.
Associate Chief Nursing Officer, Children’s Medical Center, Dallas

Joe Don Cavender

FROM TECH TO EXEC

As vice president and associate chief nursing officer of Children’s Medical Center in Dallas, Joe Don Cavender is at the apogee of his 26-year career. He oversees about 1,000 employees spread over myriad departments, including respiratory care, dialysis, and operating rooms.

Cavender came to UTA in 1984 to play football, but when the program was canceled, he left for a job at a dialysis center. There, he decided he enjoyed taking care of patients better than taking care of the machines. He enrolled at a community college for an associate’s degree and then returned to UTA for his bachelor’s and master’s degrees.

Cavender regularly speaks at national nursing conferences, has co-authored a paper on pediatric nurse practitioner education, and maintains a strong relationship with the College. He remains close to many of his former professors, including Judy LeFlore, who has been a mentor for nearly 20 years.

He credits the College with helping shape his career.

“I believe UTA is one of the best nursing schools in the United States and certainly in Texas,” Cavender says. “I feel like there’s no challenge that can’t be overcome because of my experience at UTA. I feel like they prepared me to be successful.”

“If you look around at other programs, you’re not going to find the amount of lab tools we have here at UTA. We learn to use many intricate devices.”

Stephen Newhart
’06 B.S., ’08 M.S.
Ph.D. Student, Kinesiology
Owner, Vigor Active, Fort Worth



Stephen Newhart

FIT FOR BUSINESS

Stephen Newhart’s passion for fitness started as a child. He began exercising at 12, playing football in high school, and interning at a Mansfield gym as an undergraduate. These days, he regularly plays soccer, sand volleyball, and softball.

Newhart, who holds a bachelor’s in exercise science and a master’s in exercise physiology from UTA, is a man of many hats, all of them fitness related. He is a doctoral student in the College’s kinesiology program, an adjunct faculty member who teaches classes in strength and conditioning, and, most recently, a business owner.

Earlier this year, Newhart purchased a gym in downtown Fort Worth from his former boss, fitness legend Larry North. In addition to renovating the gym and updating its cardiovascular equipment, he plans to use exercise as a vehicle to heal or prevent disease. He believes a Ph.D. degree—coupled with his knowledge of the science of exercise—will boost his credibility as a trainer.

Newhart said returning to UTA for his doctorate was a no-brainer.

“If you look around at other programs, you’re not going to find the amount of lab tools we have here at UTA,” he says. “We learn to use many intricate devices. The focus of my Ph.D. is whole body vibration. I plan to use that to help bring back function to people who have lost function. It’s really promising stuff. Without the lab tools, I couldn’t do that.”



UNIVERSITY OF
TEXAS
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