



**APPLIED HEALTH  
SCIENCES**

**EDUCATORS.  
DISCOVERERS.  
COLLABORATORS.  
ADVOCATES.**

# **ANNUAL REPORT 2020**

Reporting period: July 2019 to June 2020

# UIC Applied Health Sciences



## **Vision**

**The UIC College of Applied Health Sciences will be recognized as a national and international leader in health sciences through our excellence in preparing highly qualified professionals, leading scholars and community leaders.**

**Our scholarly, academic efforts and community engagement will transform society through improved health, inclusion and participation without discrimination in a complex interdisciplinary and multicultural world.**

## **Mission**

**The UIC College of Applied Health Sciences is a socially conscious, research-intensive academic community whose mission is to broaden understanding of applied health sciences and disability.**

## **UI Health**

A part of UIC, UI Health is a clinical enterprise that consists of a 465-bed tertiary care hospital, 21 outpatient clinics, 11 federally qualified Mile Square Health Center locations and seven UIC health science colleges, including the UIC College of Applied Health Sciences.

We're proud to contribute to the clinical, research and academic activities that train health care leaders and foster healthy communities in Illinois and beyond.

# Academics

## Degrees offered

### Bachelor's

Disability and Human Development  
Health Information Management (online  
and on campus)  
Kinesiology  
Nutrition  
Rehabilitation Sciences

### Minor

Disability and Human Development  
Kinesiology  
Life Science Visualization  
Nutrition

### Master's

Biomedical Visualization  
Disability and Human Development  
Health Informatics (online)  
Healthspan Promotion and Rehabilitation  
Kinesiology  
Nutrition  
Occupational Therapy

### Professional

Doctor of Occupational Therapy  
Doctor of Physical Therapy

### Doctorate

Biomedical and Health Informatics  
Disability Studies  
Kinesiology and Nutrition  
Rehabilitation Sciences

### Certificate

Assistive Technology (online and on  
campus)  
Clinical Rehabilitation and  
Technology Research  
Disability Ethics (online and on  
campus)  
Healthy Living Practitioner (online  
and on campus)  
Health Data Science Informatics  
(online)  
Health Informatics (online)  
Health Informatics Fundamentals  
(online)  
Leadership in Health Informatics  
(online)  
Mobile Health Informatics (online)  
Technology-Based Health  
Communication and Promotion  
(online)

## Faculty

**110**

Full-time  
equivalent (FTE)

**16**

Tenure/  
tenure-track  
male FTE

**24**

Tenure/  
tenure-track  
female FTE

**18**

Non-tenure/  
tenure-track  
male FTE

**51**

Non-tenure/  
tenure-track  
female FTE



# Students

2,192 total enrolled students

1223

761

208

Undergraduate

Graduate

Professional

## Enrolled students by program

### 190 Applied Health Sciences

186 Undeclared

### 496 Biomedical and Health Information Sciences

46 BS: Health Information Management  
26 BS: Health Information Management (online)  
39 MS: Biomedical Visualization  
326 MS: Health Informatics  
7 PhD: Biomedical and Health Informatics  
29 CAS: Health Informatics  
12 CERT: Health Information Management  
1 CERT: Health Data Science Informatics

### 160 Disability and Human Development

63 BS: Disability and Human Development  
5 MS: Disability and Human Development  
53 PhD: Disability Studies  
38 CERT: Assistive Technology  
1 CERT: Disability Ethics

### 761 Kinesiology and Nutrition

550 BS: Kinesiology  
92 BS: Nutrition  
17 MS: Kinesiology  
78 MS: Nutrition  
23 PhD: Kinesiology and Nutrition  
1 NDEG

### 119 Occupational Therapy

92 MS: Occupational Therapy  
27 OTD: Occupational Therapy

### 204 Physical Therapy

181 DPT: Physical Therapy  
17 MS: Rehabilitation Sciences  
2 CERT: Healthy Living Practitioner  
1 NDEG: Ortho Manual PT Fellowship  
3 NDEG: Ortho PT Residency

### 262 Rehabilitation Sciences

246 BS: Rehabilitation Sciences  
16 PhD: Rehabilitation Sciences

BS: Bachelor of Science  
CAS: Certificate of Advanced Study  
CERT: Certificate  
DPT: Doctor of Physical Therapy  
MS: Master of Science  
NDEG: Non-degree  
OTD: Doctor of Occupational Therapy  
PhD: Doctor of Philosophy

Does not include four college-level non-degree seeking students.

## Degrees awarded

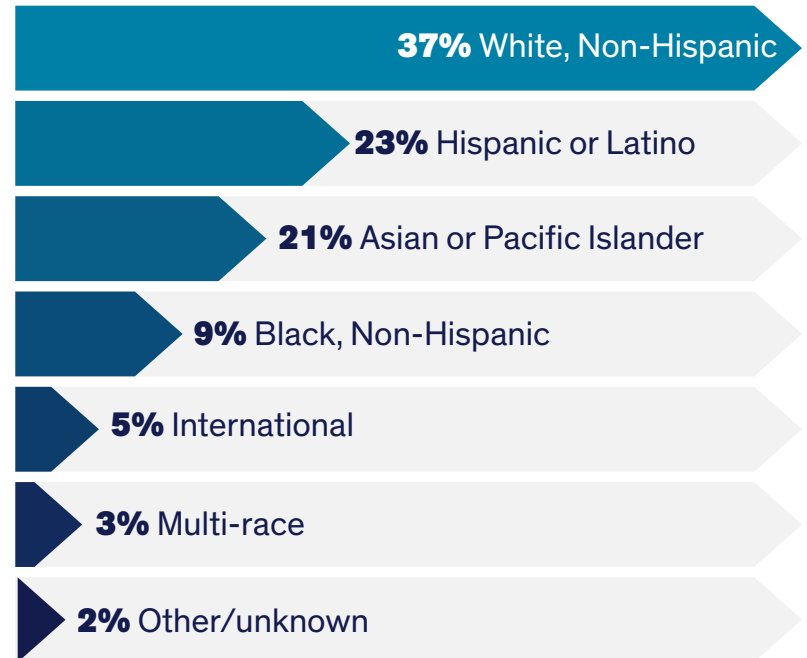
**315**  
Undergraduate

**172**  
Graduate

**80**  
Professional  
doctoral

**16**  
Research  
doctoral

## Enrolled students by race and ethnicity

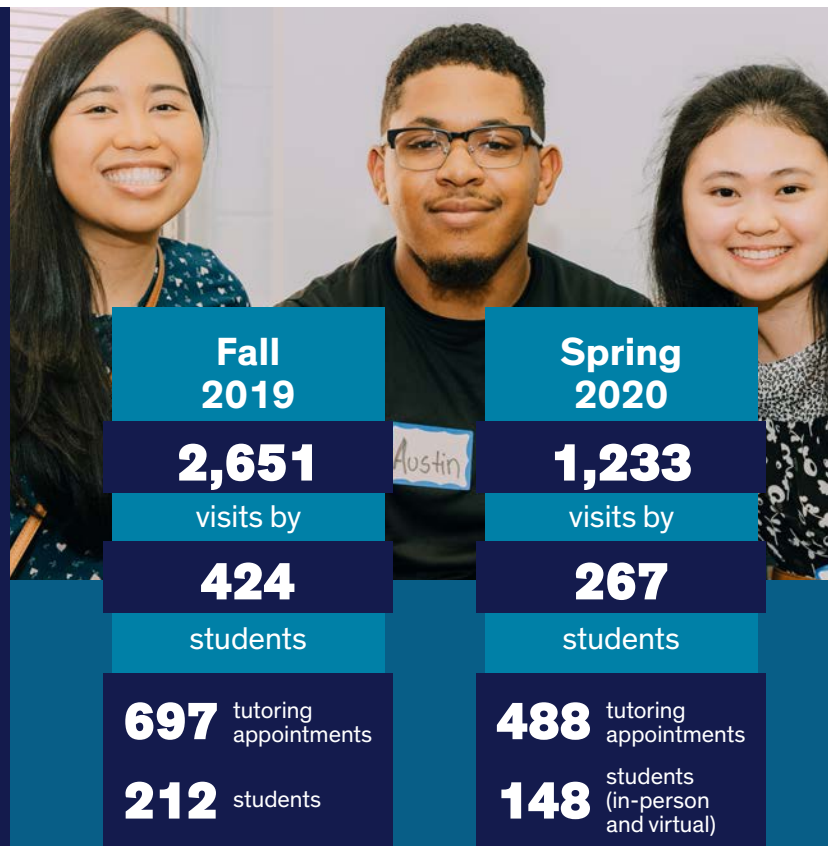


## Academic Support and Achievement Program (ASAP)

**ASAP provides AHS students with group and one-on-one tutoring.**

ASAP offers books and models related to AHS classes, resources for national certification exams, grad school prep tools and professional development resources.

Its workshops cover topics such as time management, exam prep and study skills.





# Department of Biomedical and Health Information Sciences

**The mission of the Department of Biomedical and Health Information Sciences is to advance the quality and efficiency of healthcare through improved generation, management and communication of biomedical and other healthcare data.**

**The goals of the department are leadership, innovation, initiative and quality, with a strong focus on the unique arena of health and imaging informatics at the University of Illinois at Chicago.**

**49**  
publications

**29**  
articles

**3**  
book chapters

**17**  
other

# Academic programs

Minor, Life Science Visualization

BS, Health Information Management (online and on-campus)

MS, Biomedical Visualization

MS, Health Informatics (online)

PhD, Biomedical and Health Informatics

Post-Baccalaureate Certificate, Health Data Science Informatics (online)

Post-Baccalaureate Certificate, Health Informatics Fundamentals (online)

Post-Baccalaureate Certificate, Leadership in Health Informatics (online)

Post-Baccalaureate Certificate, Mobile Health Informatics (online)

Post-Master's Certificate, Health Informatics (online)



#3

*U.S. News and World Report* ranks our **online BS in health information management** No. 5 among all online bachelor's degree programs

## First

Our **online MS in health informatics** is the first online graduate program accredited by the Commission on Accreditation for Health Informatics and Information Management Education



#3

Healthcare Administration Degree Programs ranks our **online master's in health informatics** No. 3 among all health informatics degree programs

Our **PhD in biomedical and health informatics** is the first degree program of its kind in Illinois

Our **MS in biomedical visualization** program is the second oldest program of its kind





# Department of Disability and Human Development

**The Department of Disability and Human Development is dedicated to the interdisciplinary study of disability with the goal of removing barriers to the advancement of disabled persons.**

**We offer intensive graduate-level academic programs that prepare individuals for positions in research, teaching and public service in disability fields.**

**The Department of Disability and Human Development conducts scholarship and community-based service across the spectrum of disability, including advocacy, culture, education, health promotion, history, policy and technology.**

**80**

publications

**43**

articles

**9**

book chapters

**28**

other



# Academic programs

Minor, Disability and Human Development

BS, Disability and Human Development

MS, Disability and Human Development

PhD, Disability Studies

Certificate, Assistive Technology

Certificate, Disability Ethics

50

Administrative home for Bodies of Work, a consortium of over 50 **organizations advancing disability arts and culture**

Our **PhD in disability studies** was the first interdisciplinary studies doctoral program of its kind in the U.S.

#4

Our **MS and PhD programs in disability studies** are ranked No. 4 by Universities.com

## Leader

National leader in research and training on disabilities, with five large federally funded centers:

- Family Support Research and Training Center
- Great Lakes ADA Center
- Leadership Education in Neurodevelopmental and Related Disabilities
- Rehabilitation Research and Training Centers on Developmental Disabilities and Health
- University Center of Excellence in Developmental Disabilities



Our **BS in disability and human development** is the first degree program of its kind in Illinois



# Department of Kinesiology and Nutrition

**The mission of the Department of Kinesiology and Nutrition is to:**

- generate and advance knowledge in kinesiology and nutrition through research
- afford translation of knowledge by providing scholarship-based community service
- offer academic programs of the highest quality that educate students to serve as innovative practitioners
- prepare students to be lifelong learners and to serve as scholars and leaders

**96**

publications

**91**

articles

**1**

book

**4**

book chapters

# Academic programs

Minor, Kinesiology

Minor, Nutrition

BS, Kinesiology

BS, Nutrition

MS, Kinesiology

MS, Nutrition

PhD, Kinesiology and Nutrition

## 6 research labs

Biomechanics; exercise psychology; physical activity interventions; integrative physiology; locomotor and rehabilitation; and nutrition, obesity and health equity

**#15**

Bachelors Degree  
Center ranks our **MS in  
nutrition** No. 15



Photo by Joshua Clark

Our **Nutrition  
Teaching Garden**  
has received a  
Chicago Excellence  
in Gardening  
Award for three  
consecutive years

**#14**

The National Academy of  
Kinesiology ranks our **PhD in  
kinesiology and nutrition**  
No. 14

**100%**

100% of our coordinated  
program students **pass**  
**the Academy of Nutrition  
and Dietetics Registered  
Dietitian Exam**





# Department of Occupational Therapy

**The mission of the Department of Occupational Therapy is to achieve excellence and lead the field in education, scholarship and practice.**

**We conduct this mission with the conviction that education, research and practice are equally valuable, interdependent and mutually enhancing.**

**We carry out this mission in the context of an urban research university that embraces diversity and partnership with its community, in diverse settings.**

**75**  
publications

**43**  
articles

**13**  
book chapters

**19**  
other

# Academic programs

MS, Occupational Therapy  
Doctor of Occupational Therapy

Home to the **OT Faculty Practice**,  
providing occupation-focused,  
evidence-based and client-centered  
occupational therapy services

**#3**

*U.S. News and World Report*  
ranks our **MS in occupational  
therapy** program No. 3  
in the nation

Our **Scholarship  
of Practice** model  
is nationally and  
internationally  
recognized for its  
contributions to  
community-engaged  
scholarship



Home to the  
internationally  
acclaimed  
**Model of Human  
Occupation  
Clearinghouse**

## 2 international field placements

Centro Ann Sullivan del Perú (OTD students) and  
Karolinska Institutet in Sweden (MS students)





# Department of Physical Therapy

## The mission of the Department of Physical Therapy is to:

- educate practitioners and scholars in the practice and science of PT and other health-related areas to meet current and future societal needs
- advance and apply research and scholarship in rehabilitation sciences and other related fields
- promote excellence in care and health outcomes, and to improve quality of life in the populations we serve
- provide services that benefit individuals, communities, the profession of PT and the broader healthcare arena
- strategically partner with UI Health, UIC schools and departments, other clinical and academic institutions, and national and international collaborators.

**138**

publications

**120**

articles

**2**

book chapters

**16**

other



# Academic programs

MS, Healthspan Promotion and Rehabilitation

Doctor of Physical Therapy

Certificate, Clinical Rehabilitation and Technology Research

Certificate, Healthy Living Practitioner

Certificate, Technology-Based Health Communication and Promotion

# Post-professional residency

Orthopedic Physical Therapy

Sports Physical Therapy

# 100%

For the past seven consecutive years, 100 percent of our DPT graduates **pass the national licensing exam** within 12 months of graduation

# #17

*U.S. News and World Report* ranks our **DPT** program No. 34 in the nation and No. 17 among public universities

# 1,000

More than 1,000 historical publications with over 3,000 citations in 2019 alone

Home to an **innovative physical therapy faculty practice model**

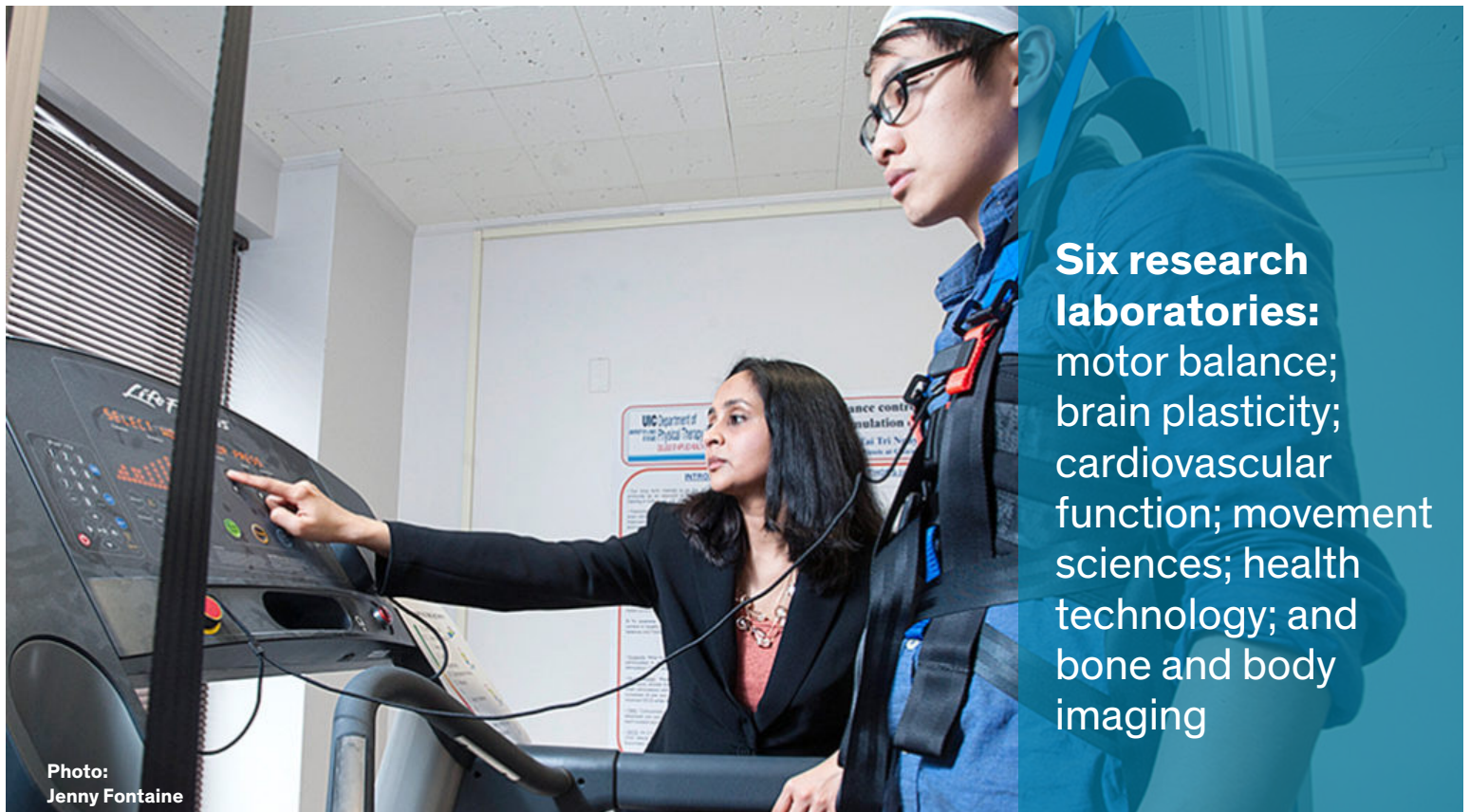


Photo:  
Jenny Fontaine

**Six research laboratories:** motor balance; brain plasticity; cardiovascular function; movement sciences; health technology; and bone and body imaging

# Clinical services

## Assistive Technology Unit (ATU)

The ATU helps individuals with disabilities achieve maximized independence. Services include adaptive equipment, augmentative communication, computer access, electronic aids for daily living, environmental modification, seating and positioning, and wheeled mobility.

An interdisciplinary team uses a fleet of eight mobile units to bring services to homes, schools, worksites and recreation sites. Over 95 percent of all services take place in community-based settings.

**809** services were provided to  
**569** individuals

## OT Faculty Practice

The UIC OT Faculty Practice provides occupation-focused, evidence-based and client-centered occupational therapy services to children, youth, adults and families. It applies the UIC Department of Occupational Therapy's Community Engaged Scholarship of Practice Model, which emphasizes the meaningful relationships between community partnerships, research evidence and occupational therapy practice, to its evaluation, intervention and consultation services.

**545**

visits were provided to **70** individuals

## Developmental Disabilities Family Clinic

The family clinic staff takes a holistic, multidisciplinary approach in providing services that maximize potential with a focus on quality of life for individuals with intellectual and developmental disabilities of all ages and their families.

Services include developmental diagnostics and evaluations with a specialization in autism and intellectual disabilities; behavioral interventions; psychological and mental health counseling with a specialization in trauma; transition planning; therapy groups; speech therapy; occupational therapy; physical therapy; and family counseling, training and therapy.

Provided diagnostic and support services to **664** individuals with disabilities and their families

## PT Faculty Practice

Committed to providing a truly exceptional experience for all patients, services include physical therapy, cardiac rehabilitation, cardiopulmonary exercise stress testing and nutrition services. Patients range in age from adolescents to seniors.

**July 2019 to March 2020**

**500**

average in-person visits per month

**90**

average new patients per month

**April 2020 to June 2020**

**187**

total telehealth visits

**25**

new patients total

# Community engagement

## AHS engages with the community through partnerships and direct service.

Faculty across our college have established relationships throughout the Chicago area with organizations such as Chicago Public Schools, El Valor, Access Living, Envision Unlimited, GiGi's Playhouse Chicago and Midwest Brain Injury Clubhouse.

Engagement activities include health promotion in a diverse cultural environment, wellness and healthy living, and advocacy for people with disabilities.

### Greater Chicago Food Depository

For nearly a decade, our faculty have collaborated with the Greater Chicago Food Depository to provide experiential learning opportunities for students; translate science into practice to improve the lives of underserved individuals and families; and engage in service and advocacy activities to alleviate food insecurity and promote health equity statewide.

Since 2009, at least 150 students have participated in our partnership. Annually, the Greater Chicago Food Depository opens its doors to help educate students about food insecurity, the role and structure of the charitable/emergency food system, and current policy issues facing families that are food insecure.

### Altus Academy

In an effort to address the health and wellness barriers experienced by students attending Altus Academy and their families, UIC is running a new, on-site health clinic at the nonprofit, private elementary school.

The clinic, called the UIC Healthspan Clinic, is collaboratively run by the AHS and the College of Nursing. It is located in recently renovated space at the elementary school and offers access to a nurse practitioner for eight hours each week and wellness classes. The clinic also will provide behavioral health support.

These services were developed after UIC experts and Altus administrators sat down with students, families and an advisory group to discuss health concerns and barriers to healthy living.

# Advancement

Donor generosity has fueled our success toward our \$15 million IGNITE: The Campaign for UIC fundraising goal. We welcome additional support from AHS alumni, friends, faculty and staff to sustain our excellence in education, research, service and advocacy. Email [advance@uic.edu](mailto:advance@uic.edu) to learn more about how you can help us achieve our IGNITE goal.

**285**  
individual donors

**\$588,179**  
Total donations  
(Includes contributions from individuals, foundations and corporations)

**UIC IGNITE**  
THE CAMPAIGN FOR UIC

COLLEGE OF APPLIED HEALTH SCIENCES

**\$9,636,767**  
of **\$15M GOAL**



# Research and scholarship

**AHS is a consistent leader in research funding for allied health, with an expansive portfolio of research projects conducted in laboratories, clinics and the community.**

Studies by AHS investigators have national and international impact in discovering new knowledge, translating findings into practice, creating intellectual property and supporting the college's educational mission. AHS researchers are partners in collaborative projects with colleagues in UIC, Chicago, the U.S. and the world.

## Metabolic Kitchen

AHS is home to the Metabolic Kitchen, a professional-quality facility staffed by professional chefs and registered dietitians that makes it possible for UIC investigators to conduct high-level research in diet and nutrition that may not only improve health outcomes for Americans, but individuals all over the world.

## AHS research labs and centers

AHS is home to over two dozen research labs and centers. Our broad based research portfolio ranges from laboratory-based research to community-based (engaged) research to scholarship in the humanities. View a listing at [go.uic.edu/AHSLabsAndCenters](http://go.uic.edu/AHSLabsAndCenters).

## Sponsored program expenditures

Financial support for the college's research comes from federal and state agencies, disease-related organizations and community foundations.

**\$8,579,101**

**\$1,372,047**

**\$1,647,260**



Federal



Private



State

**\$386,613**

Sponsored expenditures per  
tenure/tenure-track faculty  
(full-time equivalent)

**\$11,598,409**

Total sponsored  
program expenditures

## Notable areas of research strength at AHS

- **obesity and diabetes**
- **biomechanics**
- **community-based participatory research**
- enhanced standards and processes for creating, using and protecting **health information** to improve clinical outcomes
- **exercise** physiology
- increased access for and **participation** by people with disabilities
- **health disparities**
- social and cultural determinants of **dietary behaviors**
- **cardiovascular health**



## AHS Office of Research

**129**

Grant applications processed  
with AHS faculty as  
principal investigators

**116**

Grant applications awarded to  
AHS faculty as  
principal investigators



UNIVERSITY OF  
**ILLINOIS CHICAGO**

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**College of Applied  
Health Sciences**

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