

# Vitals

2022 IMPACT REPORT



OKLAHOMA STATE UNIVERSITY  
CENTER FOR HEALTH SCIENCES

# FRIENDS,

Fifty years ago, leaders in Oklahoma came together to establish the state's first osteopathic medical school, now OSU College of Osteopathic Medicine, to combat the problem of dwindling numbers of primary care physicians in rural Oklahoma.

That mission is more important than ever as we recover from the COVID-19 pandemic. The last two years have only exacerbated an already existing shortage in the state's aging health care workforce.

The good news is our enrollment has increased by 11 percent from the previous year at our medical school and by nine percent in our graduate programs, including our physician assistant program, which just welcomed its second cohort of students to campus. In keeping with our mission, our rural and tribal health tracks allow our medical students to receive real-world clinical experience in these settings to better serve those populations in their future practice.

Recruiting young minds to become rural physicians starts with our K-12 outreach programs that include our popular traveling day camp Operation Orange and residential program Dr. Pete's Immersion Camp. Students from across the state embrace these experiences and often return to us as college students looking to apply to our medical or graduate programs.

Our facilities are growing as well to keep up with demand. In July we officially opened North Hall, the newest building on the OSU-CHS campus. This building is an innovative partnership with the Office of the Chief Medical Examiner, where their much-expanded space is one of the most advanced ME facilities in the country.

Our growth is happening off campus as well. We're seeing progress on the development of the VA hospital along with the new psychiatric hospital to be located in the OSU Academic Medical District in downtown Tulsa. The OSU Medical Center is undergoing important updates as are the 26 OSU Medicine clinics across northeastern Oklahoma.

Fifty years later, our campus and the mission of OSU-CHS continues to grow and expand, and I appreciate your ongoing support of the work we do for all Oklahomans.

Sincerely,



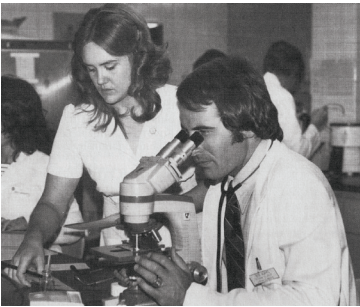
**Johnny Stephens, Pharm.D.**  
*President of OSU Center for Health Sciences*



**Dr. Johnny Stephens, President of OSU-CHS, talks with medical students Riley Ricken (left), Shania Do, Alexander Douglas and Jim Enoch (right) at the OSU Center for Health Sciences.**

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This publication, issued by OSU-CHS as authorized by the Office of External Affairs, was printed by Caye Solutions at a cost of \$3,384.35. 600/October/2022

# FULFILLING OUR MISSION

**Fifty years ago,** Oklahoma was combating a rural physician shortage so severe that state leaders came together to create and pass Oklahoma Bill 461 establishing the Oklahoma College of Osteopathic Medicine and Surgery in Tulsa.

OCOMS was the first free-standing, state-supported osteopathic medical school in the country and its mission was to train doctors to meet the health care needs of rural and underserved Oklahomans.

“Fifty years later, we are still fulfilling that mission,” said OSU-CHS President Johnny Stephens. “OSU College of Osteopathic Medicine is a family. We continue to advance the mission of OSU-COM to train health care providers for rural and underserved Oklahoma. Our students are part of that long legacy.”

Dr. John V. Barson, was in the medical school’s third class of students and was the son of founding president John W. Barson. During his second year as a medi-

cal school student, Barson and his fellow classmates moved to the new OCOMS campus on 17th Street and Southwest Boulevard before going out on rotations across the state.

“We’d go out to these small towns and their clinics, hospitals and doctor’s offices, and people were just excited to be part of this. They gave us all sorts of experiences that I’m not sure a lot of students at other medical schools had,” Barson said. “The towns would welcome us. We would go to the local café and people would say ‘Hi Doc’ and they meant it, even though we were medical students, we were their doctor. That was exciting.”

After OSU took over the osteopathic medical school in 1988, the next step was growing the institution, which meant adding graduate programs and turning the medical school into a broader health sciences center.

## 1970s

### FOUNDATION

The Oklahoma College of Osteopathic Medicine and Surgery was established by the Oklahoma legislature in 1972. Two years later the first class of 36 students reported for orientation in June at the temporary campus at Ninth Street and Cincinnati Avenue in downtown Tulsa. In April 1977 the OCOMS campus was dedicated at its current location just west of the Arkansas River at 17th Street and Southwest Boulevard.

**On March 10, 1972, Governor David Hall (left) signed the historic bill that created the Oklahoma College of Medicine and Surgery. James F. Routsong, D.O. (right), was president of the Oklahoma Osteopathic Association and is credited with being one of the founders of the college and served on the faculty for many years.**

## 1980s

### DEVELOPMENT

The dawn of the decade saw the dedication of the Finis W. Smith Teaching Center, a teaching clinic associated with OCOMS. It would later become the OSU Health Care Center after Oklahoma State University takes over operation of the institution in April 1988 and becomes the OSU College of Osteopathic Medicine.



## 1990s

### EVOLUTION

The year 1997 was a turning point for OSU-COM. With the School of Biomedical Sciences established on campus, and plans for future graduate programs on the horizon, the institution was renamed OSU Center for Health Sciences. OSU-COM also held its first White Coat Ceremony, the Center for Advanced Medical Education opened and the atrium connecting the buildings on campus was named Founders Hall.

In 1997, the School of Biomedical Sciences was established, and soon other graduate programs were added including the schools of Allied Health, Forensic Sciences, Health Care Administration and the newest graduate program that launched in 2021, the Physician Assistant Program.

The institution was renamed OSU Center for Health Sciences, with the College of Osteopathic Medicine under the OSU-CHS umbrella. During the 2021-22 school year, nearly 900 students were enrolled in OSU-CHS' graduate programs, and 565 students enrolled in the medical school.

Leadership at the institution also focused on building up OSU Medicine's presence in and around Tulsa and working more closely with the medical school's teaching hospital, which at the time was named Tulsa Regional Medical Center.

"At the time, it was a much different institution. We were trying to take what was just a college of osteopathic medicine and turn it


into an academic health center," said Jim Hess, interim vice provost for Graduate Programs. "The things that are the most important for the future are the hardest to attain. I give a lot of credit to the different leaders along the way. Each identified something that was going to be hard to do, but it would greatly impact the future of the institution."

One of those leaders was Dr. Kayse Shrum, a graduate of the College of Osteopathic Medicine, who was named president of OSU-CHS and dean of the medical school in 2013. She was the first woman and first alum to lead the school.

During her time as president, Shrum oversaw the opening of the A.R. and Marylouise Tandy Medical Academic Building in 2017. Around that same time the Center for Wellness & Recovery was established to combat opioid addiction in Oklahoma and the nation through research and treatment. It later became the National Center for Wellness & Recovery after a \$200 million endowment from Purdue Pharma was established.

But perhaps the most important and lasting partnership Shrum developed while leading OSU-CHS was with the Cherokee Nation and its tribal leadership.

That partnership led to the opening of the OSU College of Osteopathic Medicine at the Cherokee Nation, the country's first tribally affiliated medical school. The goal of the additional medical school site in Tahlequah is to attract more American Indian and rural students interested in becoming physicians and returning to their hometowns to practice medicine.

"The students can attend medical school, complete their residency training, and practice medicine all right there in Tahlequah under the auspices of both OSU Medicine and the Cherokee Nation," Shrum said. "I can't think of a better way to attract and train primary care physicians for rural and underserved Oklahoma." 



## 2000s

### ADVANCEMENT

In 2002, OSU-COM was named for the first time to U.S. News & World Report's rankings of Best Graduate Schools, including in the areas of Rural Medicine and Family Medicine. The OSU Medicine name expanded in 2006 as OSU Telemedicine launched its mobile clinic and the Tulsa Regional Medical Center in downtown Tulsa was renamed the OSU Medical Center. A few years later the School of Forensic Sciences, in partnership with the Tulsa Police Department, opened the Forensic Crime Lab on the OSU-CHS campus.

## 2010s

### PROGRESS

In 2013, Dr. Kayse Shrum was named president of OSU Center for Health Sciences and dean of the College of Osteopathic Medicine. She was the first female and first alumna to hold the position. During her tenure the state-of-the-art A.R. and Marylouise Tandy Medical Academic Building was opened, the National Center for Wellness & Recovery was established and a historic partnership with the Cherokee Nation led to the establishment of the OSU College of Osteopathic Medicine at the Cherokee Nation.

## 2020s

### FUTURE

While 2020 had its unprecedented challenges, it also saw the first White Coat Ceremony held for the inaugural class of OSU-COM at the Cherokee Nation. A year later a ceremonial groundbreaking was held for a new veterans hospital in downtown Tulsa, part of the growing OSU Academic Medical District in downtown Tulsa. And in 2022, OSU College of Osteopathic Medicine celebrated its 50th anniversary.





# NORTH HALL OPENS

OSU-CHS' newest building, North Hall, officially opened July 28, 2022 and is the culmination of a partnership between OSU, the Office of the Medical Examiner and the Oklahoma Legislature.

The 120,000-square-foot North Hall building is home to the new Office of the Chief Medical Examiner in Tulsa as well as new anatomy and neuroanatomy labs, three classrooms, 65 graduate program student study carrels, 21 conference and meeting rooms and department and administrative office spaces.

"All of us are so very grateful for the culture we have in the Cowboy family, and part of that culture is not going it alone. We believe in collaboration and partnership, and it's our valued partners who helped us get here today," said OSU-CHS President Johnny Stephens. "This building represents the growth both in our medical school, Physician Assistant program and in our graduate programs. New facilities like this help us attract and educate the state's best and brightest students and gives us room to grow in the future."

Working with state legislators including Sen. Roger Thompson and Rep. Kevin Wallace helped secure a portion of the funding for the facility that more than doubles the square footage of the Medical Examiner's office in Tulsa and greatly increases the size of the anatomy lab and offers a dedicated neuroanatomy lab for medical, physician assistant and graduate program students.

"I appreciate my good friends at OSU and the Medical Examiner's office coming together to work on a plan for a space that meets the critical needs of such an important function of state government," Thompson said. "I also appreciate OSU's leadership in the health care realm in the state and am always very supportive of President Kayse Shrum and Dr. Stephens' vision. I have no doubt that many more great things are to come from this campus and am grateful for OSU's many prosperous partnerships with the State of Oklahoma."

Wallace recalled a few years ago when OSU and the Office of the Chief Medical Examiner brought forward a plan for a joint space that would not only meet the needs and accreditation requirements of the Medical Examiner's office, but would also allow more lab and educational space for OSU to continue training the state's next generation of doctors.

"It was easy to be supportive of the joint effort and I know I speak for my colleagues in the House of Representatives when I say we are appreciative of the collaboration among the two entities to make this state-of-the-art facility a reality for the state," Wallace said.

# TRANSFORM



Renderings of the Veterans Affairs (VA) hospital and the Oklahoma Psychiatric Hospital.



# ING CARE

*OSU Academic Medical District aims to change downtown Tulsa*

OSU already has established itself in the southwest corner of downtown Tulsa with the OSU Medical Center as well as 10 primary care and specialty OSU Medicine clinics just steps away from the hospital.

With the addition of a veterans hospital and psychiatric hospital, that area of downtown Tulsa has developed into the OSU Academic Medical District.

In October 2021, a ceremonial groundbreaking was held where two existing buildings, donated by the state and just across the street from OSU Medical Center, will be renovated into the new Veterans Hospital in Tulsa.

Earlier that year, Congress appropriated \$120 million for the construction of a veterans hospital in Tulsa. It's the first hospital built under the CHIP-IN Act — Communities Helping Invest through Property and Improvements Needed for Veterans Act of 2016.

In order to make the hospital a reality, more than just the federal appropriation was needed. The state of Oklahoma transferred ownership of the Kerr-Edmondson buildings in downtown Tulsa to OSU. Next, the city of Tulsa will construct an \$8 million parking structure on the site. Tulsa County has committed \$4 million from its American Rescue Plan Act allocation to go toward project infrastructure funding.

The remaining costs will be covered by philanthropic donations, led by the Anne & Henry Zarrow Foundation, which helped form the Veterans Hospital in Tulsa, LLC.

Construction and renovation work on the new VA hospital is under way and is slated to be completed in 2024. OSU will then transfer ownership of the hospital to the VA with the aim of opening the 275,000-square-foot facility to patients in 2025.

Next to the VA hospital will be a new psychiatric hospital operated by the Oklahoma Department of Mental Health and Substance Abuse Services.

According to state data, an estimated 17,000 adults in Tulsa will experience severe mental illness in a given year, and 16,000 youth will experience a major depressive episode.

But the existing mental health hospital in Tulsa — a 56-bed facility in midtown — isn't enough to meet demand. The new hospital will almost double the number of beds and expand the services offered to patients.

OSU Medicine physicians and residents, as well as third- and fourth-year medical students on rotation, will treat patients at both new facilities. An estimated 100 additional residency spots will be created between the new VA and psychiatric hospitals, along with about 30 new clinical faculty positions.

## VA Hospital in Tulsa by the numbers

**275,000**  
Square  
Footage

**58**  
Number of  
Medical/Surgical Beds

**2025**  
Estimated  
Opening

**65,000+**  
Number of Veterans Living  
in the Tulsa Area



# EXPANDING RESEARCH & HEALTH CARE IN TULSA

In July 2021, leaders from OSU, NCWR, Tulsa and the state of Oklahoma came together to celebrate the opening of the Hardesty Center for Clinical Research and Neuroscience to aid in research and clinical trials related to NCWR’s mission of addiction research and treatment.

The Hardesty Family Foundation donated \$2 million for the establishment of the center, which houses the OSU Medicine Biomedical Imaging Center that utilizes an advanced MRI to support clinical studies of brain structure and function as well as other advanced technology to measure brain activity in infants, children and adults.

“The Hardesty Center for Clinical Research and Neuroscience is equipped with space for clinical trials and is home to the most advanced MRI system in the state,”



University officials and members of the Hardesty family gather for a ribbon cutting at the Hardesty Center for Clinical Research and Neuroscience.



said OSU President Kayse Shrum. “The generous gift from the Hardesty Family Foundation will allow OSU and NCWR to find personalized, evidence-based therapies for those struggling with addiction.”

Nine months later, a ribbon cutting ceremony was held for Legacy Plaza West. The tower was donated by the Anne & Henry Zarrow Foundation, which was also recognized during the event.

Formerly the Dollar Thrifty headquarters, Legacy Plaza comprises three office buildings that were renovated by the foundation and donated to seven nonprofit organizations in Tulsa. Legacy Plaza West’s 14 floors were donated to OSU-CHS and Family & Children’s Services.

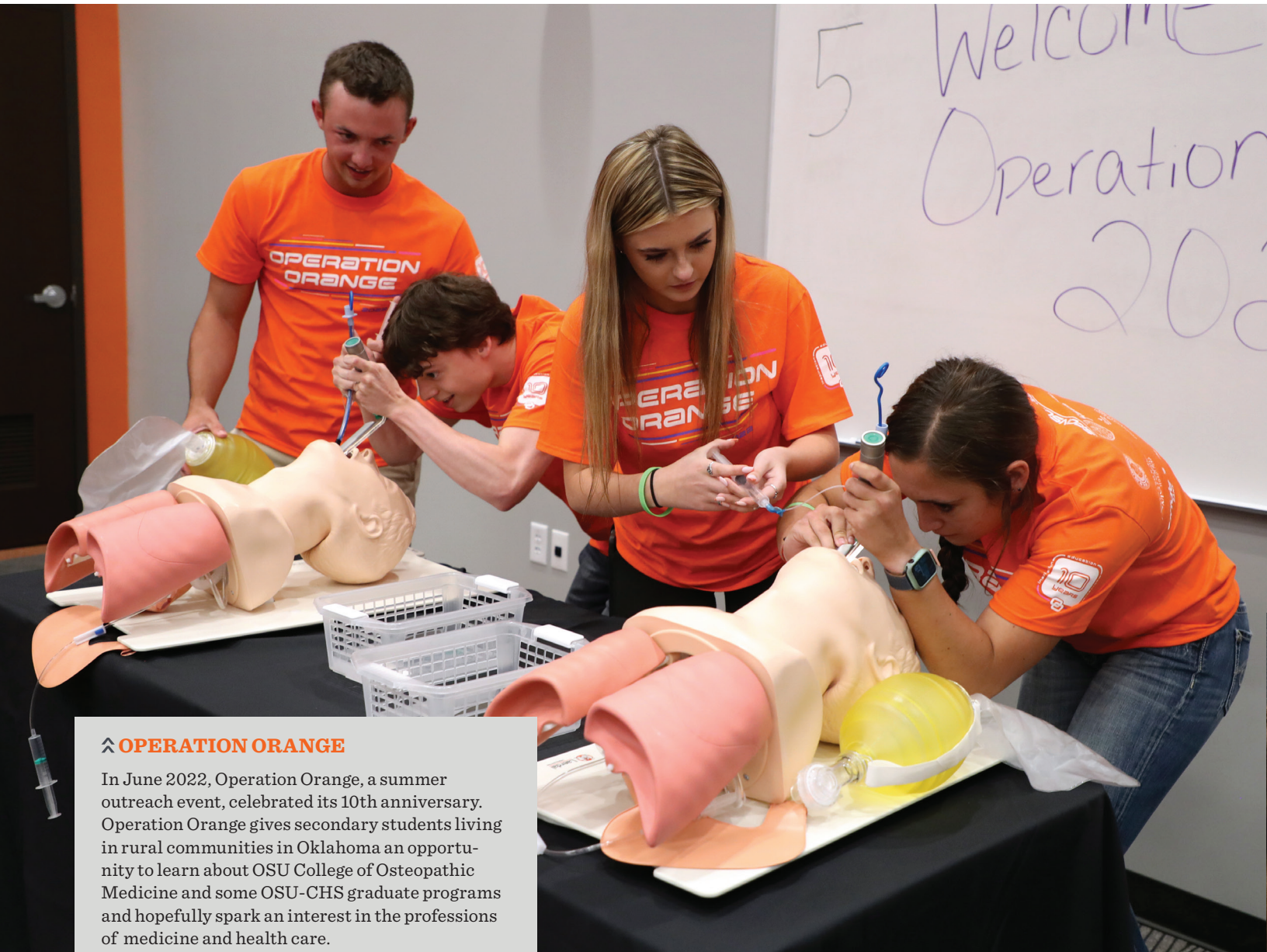
Several OSU-CHS programs and initiatives were relocated to Legacy Plaza including the OSU Behavioral Medicine clinic, OSU Medicine Primary Care clinic, Project ECHO, the Center for Indigenous Health Research and Policy and the OSU Health Access Network. NCWR’s Addiction Medicine clinic is also located in the west tower, as well as a counseling center.

“We are so grateful to the Anne and Henry Zarrow Foundation for their immense generosity in gifting OSU the significant footprint at Legacy Plaza,” OSU-CHS President Johnny Stephens said. “It’s an amazing space where we can treat patients in a modern facility, expand our Project ECHO service lines that provide health and mental health resources to rural care providers, and offer dedicated space to research better health outcomes for Native American populations.” [OSU](#)



**OSU-CHS President Johnny Stephens makes remarks at the ribbon cutting for Legacy Plaza West in Tulsa.**

# OUTREACH & ENGAGEMENT



## ^ OPERATION ORANGE

In June 2022, Operation Orange, a summer outreach event, celebrated its 10th anniversary. Operation Orange gives secondary students living in rural communities in Oklahoma an opportunity to learn about OSU College of Osteopathic Medicine and some OSU-CHS graduate programs and hopefully spark an interest in the professions of medicine and health care.

Operation Orange began as a way to encourage students in rural areas to consider attending medical school, and in turn, returning to their rural communities to practice medicine.



### ^ PRE-HEALTH ROUND UP

Pre-Health Round Up, the one-day event on the OSU-CHS campus, is designed for high school and technology center students to explore the numerous health careers available in Oklahoma. Students choose from a variety of workshops and hands-on experiences geared toward health career fields as well as college preparation. There are even workshops for parents and school and career counselors.

In addition to learning about medical school and the various specialties available to physicians, participants also gain knowledge about other careers in health care including athletic training, physician assistant, health care administration, biomedical sciences and forensic sciences.

### ∨ ELEMENTARY OUTREACH

It's never too early to get children interested in medicine and science. There are several events and activities aimed at introducing elementary students in Tulsa County and Cherokee County to concepts of medicine and STEM including our Teddy Bear Clinic, Way Cool Science, Read Across America and more.



### << DR. PETE'S IMMERSION CAMP

Dr. Pete's Immersion Camp is a robust interactive experience allowing a select number of high school students who are interested in a career in medicine to develop a real understanding of the critical physician shortage facing Oklahoma and the opportunities available to them to help meet this challenge. Participants will spend three days on the OSU-CHS and OSU-COM at the Cherokee Nation campuses learning and working alongside current medical and graduate students, as well as taking part in fun, social camp activities in the evenings. [OSU](#)

# MEDICAL EDUCATION TRACKS

## RURAL MEDICAL TRACK

OSU-COM has a mission to produce primary care physicians for rural and underserved Oklahoma. That mission is critical as the state is challenged by continued shortages of primary care physicians. OSU-COM offers a dynamic Rural Medicine Track with a specialized course of study that trains students to care for rural and underserved populations while developing skills that prepare them to be community leaders.

A key facet of the Rural Medical Track is rural-based clinical education, beginning with a rural physician shadowing experience after the first year of medical school and then completing most of their required clinical education in rural settings. Students work side-by-side with rural physicians learning the skills and performing the tasks necessary for a successful rural practice.



Mason Two Crow (right) and Mark Fox (left), chairman of the Mandan, Hidatsa and Arikara Nation, take part in the American Indian Honoring Ceremony at the OSU Center for Health Sciences in Tulsa.

## GLOBAL HEALTH TRACK

The Global Health Track is offered to medical students interested in global health and international outreach. The track enhances real-world learning for students and exposes them to international global health care systems and cultures in countries with little to no resources.

The primary goals are to provide quality health care to those living in rural and impoverished communities while providing medical students the opportunity to enhance their history, physical exam and diagnostic skills under the supervision of licensed health care professionals. Those experiences also prepare students for working in rural and underserved communities back home in the United States.

Research shows students who participate in a global health experience in a low-income country tend to select primary care residencies at a higher rate than their classmates. Students with a passion for service, love of travel and a desire for learning are encouraged to apply to be part of the Global Health Track.

## TRIBAL MEDICAL TRACK

OSU-COM's mission also aims to improve the primary care physician shortages faced by tribal health systems. To prepare doctors for a successful transition into tribal communities and health systems, OSU-COM offers a Tribal Medical Track. Students in the track take part in a summer externship at a tribal hospital or clinic shadowing a physician, in addition to completing required clinical education in tribal and rural settings.

The addition of the OSU College of Osteopathic Medicine at the Cherokee Nation provides unprecedented opportunities for students. With a significant rural and tribal population in the state, understanding the unique social determinants of health that exist in Tahlequah translates into better care for all Oklahomans and members of all Oklahoma tribal members.

# GLOBAL HEALTH BACK ON COURSE

Just a month before the COVID-19 pandemic lockdown in March 2020, OSU Global Medical Track students were in Greece providing medical care to refugees. More than two years later, students are preparing to go to Nepal for the first full Global Health rotation during the fall 2022 semester.

In 2020 and most of 2021, the Global Health program was unable to travel internationally, so faculty and staff had to think of other ways to fulfill the Global Health mission.

“Our department worked diligently to come up with alternatives and we were able to find a few such as online programs, helping with COVID-19 contact tracing and domestic travel opportunities,” said John Mumey, Global Health coordinator. “Using Global Health’s pop-up clinic experience, we began testing our own employees and the community. Through collaboration with the OSU-COM at the Cherokee Nation campus, we then developed a pandemic medicine

course with many global health facets that replaced international rotation.”

There have been a few opportunities for short externships up to a week in places in Mexico and Puerto Rico, but November 2022 will be the first extended Global Health trip to Kathmandu, Nepal.

“Global Health is back to full capacity and increasing our global footprint,” Mumey said. “Working alongside a pediatric surgeon in a large children’s hospital in the heart of Kathmandu, our students will have the opportunity to work with doctors from any desired specialty and experience a very diverse culture.”

Global Health is also planning short and extended medical trips to Greece, Mexico, Malawi and other parts of Africa in the 2022-23 academic year. Other Global Health Track locations include Belize, Cambodia, Puerto Rico and Uganda.





In all, OSU-CHS offers 347 accredited residency positions and OMECO offers 114 accredited residency positions, which total 461 OSU residency positions in clinics and hospitals across Oklahoma.

**Class of 2022  
Primary Care  
Residency Match  
Percentages**

**FAMILY  
MEDICINE**

**20.6%**

**INTERNAL  
MEDICINE**

**20.6%**

**EMERGENCY  
MEDICINE**

**19.6%**





# INVESTMENT IN RESIDENCY PROGRAMS

OSU College of Osteopathic Medicine continues to strengthen its residency programs through important partnerships and invaluable legislative support.

OSU Center for Health Sciences currently sponsors 13 residency programs and four fellowship programs in Tulsa and seven residency programs in rural communities. Additionally, the Osteopathic Medical Education Consortium of Oklahoma (OMEKO), staffed by the OSU-CHS Office of Graduate Medical Education, sponsors seven residency programs with three in Tulsa and four in rural communities.

In all, OSU-CHS offers 347 accredited residency positions and OMEKO offers 114 accredited residency positions, which total 461 OSU residency positions in clinics and hospitals across Oklahoma.

Residency positions are in a variety of areas including family medicine, internal medicine, pediatrics, obstetrics/gynecology, general surgery, emergency medicine, addiction medicine, anesthesiology, otolaryngology, orthopedic surgery, psychiatry, cardiology, medical oncology, gastroenterology, radiology, interventional cardiology and osteopathic manipulative medicine.

Unique within our residency system are sponsored family medicine programs in tribal nation medical facilities in Oklahoma including the Choctaw Nation Medical Center in Talihina, Chickasaw Nation Medical Center in Ada, and the Cherokee Nation W.W. Hastings Hospital in Tahlequah. And in 2022, a tribal pediatric residency track was established with the Cherokee Nation Health System, adding three more residency positions to the pediatric residency program.

The Office of Graduate Medical Education continues to identify new and potential residency training opportunities across the state. With the mission of training primary care physicians to serve rural and underserved Oklahomans, OSU-CHS continues to work with rural hospitals to identify opportunities for future training programs.

**PEDIATRICS**  
**5.9%**

**OB/GYN**  
**2.9%**



**TOTAL PRIMARY CARE  
RESIDENCY MATCH**  
**69.6%**

# LIVING HER DREAM

*OSU-COM CN student runner-up for  
National Student D.O. Doctor of the Year*

**A**shton Glover Gatewood, who recently started rotations as a third-year medical student, is part of the inaugural class at OSU College of Osteopathic Medicine at the Cherokee Nation.

“I love being a member of the inaugural class. We’ve been through a lot as a class, not just because everything is new, but with the COVID-19 pandemic everything was constantly changing. I think we’ve had a unique set of challenges; we’ve really grown together, we uplift each other, and we help each other,” Gatewood said. “It’s a very supportive class, we celebrate each other’s successes inside and outside the classroom.”

In January 2022, Gatewood was selected as the OSU-COM Student Doctor of the Year and then as runner-up for National Student D.O. Doctor of the Year.

“I was incredibly surprised. I had to re-read the email several times just to understand what it was saying,” she said. “I am so humbled to have the opportunity to represent OSU-COM at the Cherokee Nation at the national level. This award honors the time, effort and sacrifices of my peers, family, school and community as they are my foundation, motivation and daily encouragement.”

Dr. Natasha Bray, dean of OSU-COM at the Cherokee Nation, said ‘driven’ is a great word to describe Gatewood.

“She is ambitious, persistent and wants to have a purpose-driven career and life. She is not afraid or hesitant to reach for her dreams and aspirations. She sets out each day to attain them with unwavering drive and determination,” Bray said. “I’m so proud of her. She represents our campus well and is deserving of this recognition. She exudes what our profession stands for with her commitment to the overall well-being of people. Her compassion for public health creates a hopeful outlook for our future.”

Gatewood — a member of the Choctaw Nation and a descendant of Cherokee and Chickasaw ancestors — worked as a nurse and health care administrator at an Indian Health Services clinic in Oklahoma City for about five years before enrolling in medical school.

“My background as a nurse in IHS has been absolutely invaluable to my success here as far as my ability to do well academically and to feel like I belong and I’m an important part of the community,” she said.

Once she graduates, she hopes to go back and practice as a physician at the IHS clinic she worked at in Oklahoma City.

“I wanted to become a doctor because I really enjoy helping people and working as a team. I also like challenging, scientific problems,” she said. “Medicine was a way I could work with people and be continuously challenged. It brought together all my interests and passions in one career.” [OSU](#)



“I wanted to become a doctor because I really enjoy helping people and working as a team. I also like challenging, scientific problems ... It brought together all my interests and passions in one career.”

— Ashton Glover Gatewood

Student doctor of the year and Choctaw Nation member, Ashton Glover Gatewood at the OSU College of Osteopathic Medicine at the Cherokee Nation in Tahlequah.

# PHYSICIAN ASSISTANT PROGRAM WELCOMES SECOND CLASS

The Physician Assistant program welcomed its second class to the OSU-CHS campus in June 2022, as the program's inaugural class prepared to go on clinical rotations.

A physician assistant, or PA, is a health care professional who can diagnose illness, develop and manage treatment plans and prescribe medications after completing thousands of hours of medical training. They practice in every medical setting and specialty.

"The mission of the PA program mirrors that of OSU-CHS, which is to increase access in rural and underserved communities in Oklahoma. With a collaborating physician, PAs often serve as patients' primary care providers, especially in rural Oklahoma," said Amy Harrison, the PA program director and clinical assistant professor.

The 28-month PA program at OSU-CHS consists of 13 months of education and training in classrooms and labs on campus and then 15 months of clinical rotations across Oklahoma.



"It went great. There were definitely challenges, but we had so much support from OSU-CHS that we were able to meet those challenges," Stephen said. "I was surprised by the ease of integration of a new program into the campus environment."

**Rebecca Stephen**, a clinical assistant professor and director of admissions for the PA program, said she and her fellow faculty, as well as students, learned a lot during the program's first year.



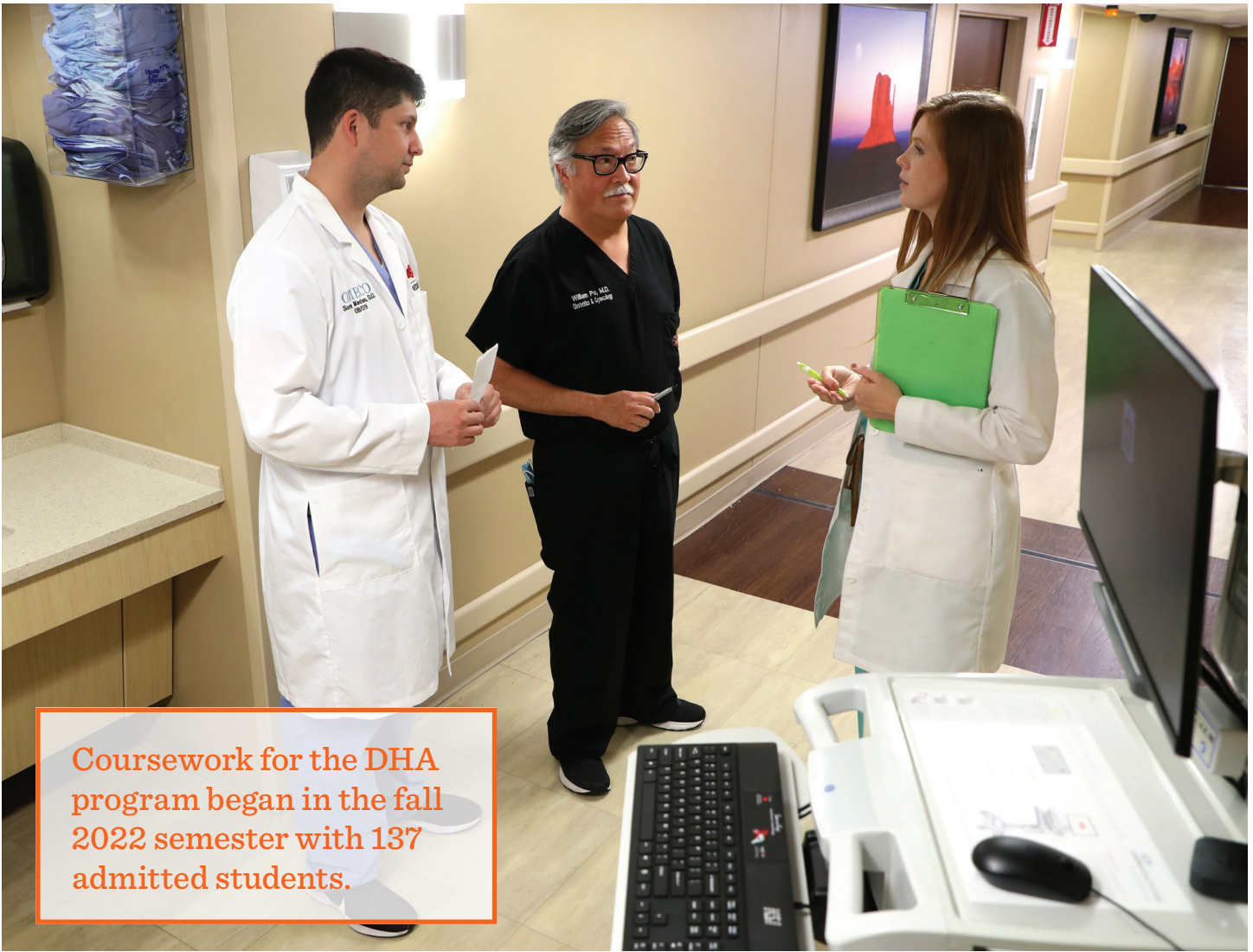
"I greatly enjoyed the friendly, open-door policies of the faculty, as well as the collaboration between students of different programs," he said, including OSU College of

Osteopathic Medicine students and students in the Athletic Training and Biomedical Sciences programs. "Working with the other students, as well as receiving lectures and labs from their faculty, enriches our experience with different perspectives."

**Aaron Abraham**, a second-year PA student and president of the inaugural class, earned a master's in Biomedical Sciences from OSU-CHS before he applied to the PA program.



Students including Lauren Chambers (left) take the physician assistant oath during a white coat ceremony for Physician Assistant students at the OSU Center for Health Sciences in Tulsa.



Coursework for the DHA program began in the fall 2022 semester with 137 admitted students.

## SCHOOL OF HEALTH CARE ADMINISTRATION ADDS DOCTORATE DEGREE

The School of Health Care Administration at OSU-CHS is the largest graduate program at OSU with about 500 people enrolled in the school.

And it will keep growing with the addition of a doctorate in Health Care Administration degree program.

“It was student demand; they begged us for years to offer a doctorate program,” said Interim Chair of the School of Health Care Administration Bavette Miller, Ph.D. “We’ve had so many alumni who want that degree. We’ve been talking about it for 10 years.”

Miller said offering a doctorate in Health Care Administration helps rural and underserved health systems in Oklahoma and across the country, which is the mission of OSU-CHS.

“We have physicians who may be in administrative positions at their clinics and hospitals. Pharmacists, dentists and nurses in similar situations and this degree gives them more education and training on the leadership and administration side of health care,” she said.

Coursework for the DHA program began in the fall 2022 semester with 137 admitted students.

“Our goal was 50 for the fall semester,” Miller said. “We just had so much demand and so many people asking for it — everywhere you can think of in Oklahoma. If that doesn’t fulfill our mission, I don’t know what does.”

Those who have graduated from the HCA master’s degree program at OSU-CHS in the last 10 years will have 30 credit hours automatically put toward the 62-hour DHA program, if admitted.

If it’s been more than 10 years since earning the master’s degree, a pilot program is being developed allowing prospective DHA students to take and pass two refresher courses, enabling them to earn 30 credit hours toward their doctorate degree.

The OSU-CHS DHA program doesn’t require a dissertation or research, but it’s still a doctoral degree program, Miller said.

“We don’t take it lightly. It’s rigorous curriculum, but we go back to our mission to support health care in rural Oklahoma. People who have been in the field for years but don’t have that degree, they come with so much experience,” she said. “This program is getting them what they need to be successful. Getting them the tools they need to do what they want to do.”

# MEETING THE MISSION

*OSU-COM, Cherokee Nation work to improve rural medicine*

By partnering with Native American tribes in Oklahoma, OSU-CHS and the College of Osteopathic Medicine are building a physician workforce for rural Oklahoma and tribal communities by recruiting talented men and women from these areas, training them in these communities and having them return to practice medicine there.

“This partnership is an example of the tremendous good that can occur when trust is the foundation of a relationship,” said OSU President Kayse Shrum. “My hope is that future physicians who train at the OSU College of Osteopathic Medicine at the Cherokee Nation will strive to emulate the special relationship that we are blessed to share with our good friends at the Cherokee Nation.”

In 2020, the country’s first tribally affiliated medical school opened — the OSU College of Osteopathic Medicine at the Cherokee Nation— with an inaugural class of 54 students. Two years later, a total of 159 medical students are enrolled at the OSU-COM campus in Tahlequah.

“The opening of the OSU College of Osteopathic Medicine at the Cherokee Nation is a historic achievement for all of Indian Country as we produce more Native and rural doctors for our people. Through these efforts and our partnership with Oklahoma State University, we will continue to make advances in our tribal health system,” said Cherokee Nation Principal Chief Chuck Hoskin Jr.

## Enrollment by the numbers

INAUGURAL CLASS

**54**

Students

TWO YEARS LATER

**159**

Students

The 84,000-square-foot-medical school building houses an anatomy and neuroanatomy labs, clinical skills lab, osteopathic manipulative medicine lab, standardized patient rooms, and a Simulation Center with the latest computer programmable manikins and technology. The site also includes lecture halls, classrooms, study spaces, offices and wellness center.

The OSU-COM at the Cherokee Nation campus participates in several interprofessional education partnerships including with Connors State College’s nursing program and Northeastern State University College of Optometry. These learning partnerships allow OSU medical students and students from the different programs the opportunity to learn from each other and interact with each other as they would in a clinical setting.

In collaboration with Oklahoma’s tribal nations, OSU-CHS is fostering change to improve the health of all Oklahomans. [OSU](#)



The Oklahoma State University College of Osteopathic Medicine at the Cherokee Nation in Tahlequah.

# CRITICAL CONSULTATIONS

**P**roject ECHO (Extension for Community Health care Outcomes) is a collaborative model of medical education and care management that empowers clinicians in rural and underserved communities to provide specialty care to more people where they live.

Project ECHO utilizes videoconferencing so health care providers in rural areas can receive training, consultation and mentoring with a team of specialists on patient cases. It not only allows primary care physicians, nurses and clinicians to provide much needed specialty care to patients, but it also saves those patients time and money.

There are currently more than a dozen health and mental health Project ECHO lines including addiction, hepatitis C, HIV/AIDS and STIs, infant mental health, maternal health, pediatric behavioral and emotional health, pediatric obesity medicine, psychiatry and veteran care. There are also specific ECHO lines dealing with mental health of farmers and ranchers, and mental health of health care providers.



In response to the pandemic, Project ECHO created the COVID-19 Oklahoma Update and COVID Legislative ECHO lines to best provide the latest data, research and analysis to health care providers and state leaders.

Project ECHO at OSU has also expanded into education and now offers five ECHO lines aimed at improving education outcomes in the state focusing on special education, family engagement and resources for principals and administrators.

Since 2020, there have been almost 67,000 attendees from all 77 Oklahoma counties with an average of 54 people attending per ECHO sessions.

## Health Care ECHO Cost Savings

**57,500**

participants in Health Care ECHO sessions since 2020

If participants then treat 10 patients that's

**575,000**

patients treated.

If patients aren't referred to an outside specialist for care, the potential cost savings is

**\$1,173**

per patient.

575,000 patients treated provides potential cost savings of almost

**\$675 million.**

# VIRTUAL CARE



**O**SU-CHS has a nearly 20-year history of providing telemedicine services throughout Oklahoma. Our standing as a health care institution and state leader in the areas of primary care and rural health drive our focus on serving the health needs of communities across the state. Through OSU Medicine's virtual care and telemedicine services, we provide support to communities through specialized clinical expertise and care coordination.

OSU Medicine Virtual Care is a collection of physician-led services uniquely tailored and dedicated to improving the health of Oklahomans in communities across the state through enhanced local collaboration, bolstered access to clinical expertise and adoption of innovative technology.

Through the use of telehealth carts, health care providers in rural hospitals or clinics can coordinate care with a physician specialist or hospitalist in another city in order to best serve the patient.

At the height of the COVID-19 pandemic, there were 20 telehealth carts deployed to critical access hospitals in Oklahoma. Today there are carts in hospitals and clinics in Anadarko, Avant, Fairfax, Hobart, Idabel, Poteau, Stilwell and Stroud. There are also HIV telemedicine clinics in McAlester, Poteau and Tahlequah.

## Virtual visits to OSU Medicine clinics

**BEHAVIORAL MEDICINE/  
ADDICTION MEDICINE**

Pre-COVID:	Pandemic average:
<b>10%</b>	<b>70%</b>

**PRIMARY CARE/  
FAMILY MEDICINE**

Pre-COVID:	Pandemic average:
<b>7%</b>	<b>60%</b>

**ALL CLINIC VISITS ACROSS  
ALL HEALTH CARE SERVICES**

Pre-COVID:	Pandemic Average:
<b>7%</b>	<b>66%</b>

# ADVANCING RESEARCH



## CENTER FOR INDIGENOUS HEALTH RESEARCH AND POLICY

In August 2021, the Center for Indigenous Health Research and Policy (CIHRP) was awarded a five-year \$3.5 million Tribal Community Supported Agriculture Grant from the National Institutes of Health's National Institute on Minority Health and Health Disparities.

CIHRP, the Osage Nation and the National Congress of American Indians are studying new community supported agriculture programs in the Osage Nation, and if successful, will compile a web-based toolkit for other indigenous communities to use to improve Native food systems.

CIHRP was also awarded a two-year \$2 million grant from the Department of Health and Human Services that focuses on American Indian and Alaska Natives in September of 2021.

CIHRP is working with several partners including: the Osage Nation; Choctaw Nation of Oklahoma; the Southcentral Foundation in Anchorage, Alaska; the Center for Alaska Native Health Research at the University of Alaska Fairbanks; and the National Congress of American Indians to develop the Center for Indigenous Innovation and Health Equity (CIIHE).

CIHRP also launched a local study with Camp Sevenstar at the Cherokee Nation. This initiative, the Traditional Foods and Medicine Garden, was co-developed by CIHRP and the American Indian



Resource Center (AIRC) to establish a traditional Cherokee garden at Camp Sevenstar, a 260-acre experiential outdoor campus with programming dedicated to the revitalization of Cherokee culture.

### CENTER FOR INTEGRATIVE RESEARCH ON CHILDHOOD ADVERSITY

Adverse Childhood Experiences (ACEs) are a leading public health problem, contributing to poor mental and physical health, substance use and other health-harming behaviors. The goal of the Center for Integrative Research on Childhood Development (CIRCA) is to develop more effective prevention and intervention strategies to interrupt the cycle of generational trauma and toxic stress through research and training.

In 2016, CIRCA entered into phase 1 of their program which aimed to increase research infrastructure to support multidisciplinary studies on adversity and resilience, and to support a cadre of collaborative investigators to achieve independent funding through sustainable research cores.

In phase 1, CIRCA funded five research project leaders and eight pilot project leaders whose grant funding increased from no funding from the National Institutes of Health in the first year to \$8.2 million in its fifth year.

Phase 2 began in 2022, a \$9.5 million award over five years, and it will expand on the accomplishments of phase 1, growing and strengthening CIRCA, continuing to support researchers with mentoring, training and scientific resources to study the effects of ACEs on multiple biological and behavioral systems. Over the next

five years CIRCA researchers will also work to identify more effective ways to prevent and treat the effects of ACEs on individuals, families and society.

### OFFICE OF MEDICAL STUDENT RESEARCH

The Office of Medical Student Research was launched in early 2020 in order for OSU College of Osteopathic Medicine students to develop investigation skills through the pursuit of new discoveries under the direction of a faculty research mentor.

In the 2021-22 academic year, there were 559 student authorships on posters and publications with about 50 percent of OSU-COM at the Cherokee Nation students and roughly 25 to 30 percent of students at the Tulsa campus involved in research.

Fourth-year medical student Nicholas Sajjadi's research article about internet searches related to COVID-19 and infertility in April 2021 was the highest read article in the Journal of Osteopathic Medicine last year and was picked up by multiple media outlets.

And in early 2022, OSU College of Osteopathic Medicine students took the two top spots at the Oklahoma Osteopathic Association's Research Poster Competition.

Savannah Nicks, a fourth-year medical student, along with Dr. Ben Greiner, an OSU-COM alum and current resident at University of Texas Medical Branch, were awarded first place, and Sadie Schiffmacher, a first-year medical student at OSU-COM at the Cherokee Nation — along with co-authors Rachel Wilkins, a fellow first-year student, and second-year student Ashton Glover Gatewood — took second place.

## BIOMEDICAL SCIENCES FACULTY RECEIVES NIH FUNDING TO RESEARCH ENZYMES

Assistant Professor of Biochemistry Joshua Muia, Ph.D., is hoping his research into two tiny enzymes can help identify and possibly treat a rare blood disease as well as the most common form of heart disease.

Muia was awarded a five-year \$1.67 million grant from the National Institute of General Medical Sciences, part of the National Institutes of Health in 2021.

Muia's research is focused on two enzymes in the ADAMTS family — ADAMTS13 and ADAMTS7.

The ADAMTS13 enzyme works to regulate how blood cells called platelets attach to blood vessels and control blood clotting.

"It's a delicate balance of bleeding and clotting. We need clotting to stop a bleed, but we don't want to form blood clots," he said.

Whether through genetic mutations or an autoimmune response, a person's ADAMTS13 can become dysfunctional and can cause serious health issues including the rare blood disease thrombotic thrombocytopenic purpura, or TTP, where blood clots form in small arteries in the body.

Muia has already developed an ADAMTS13 test, or assay, that is compatible with not just human plasma, but plasma from any species.

"You can research similarities and differences between humans and other species in terms of the ADAMTS13 protein," he said.

The other ADAMTS enzyme Muia will research with the grant funds is ADAMTS7, a lesser-researched enzyme in that family, that seems to have a strong link with coronary artery disease, the



most common type of heart disease, he said, but there's a lot that's unknown about the enzyme.

This kind of in-depth and detailed work takes time and money, Muia said, so being awarded the grant is vital to his research.

"The grant means turning the ideas we have into a reality. What we discover can eventually help patients," he said. "That's the ultimate goal — how can our work help patients in the future."

# OSU AND UA PARTNER ON ADDICTION AND PAIN RESEARCH

In April 2022, a historic partnership was announced between three research centers— OSU-CHS' National Center for Wellness & Recovery (NCWR), the University of Arizona Health Sciences Comprehensive Pain and Addiction Center (CPAC), and UArizona Center for Excellence in Addiction Studies (CEAS).

The partnership will advance pain and addiction research as well as accelerate positive health outcomes in Oklahoma, Arizona and across the United States.

NCWR has access to approximately 18,000 novel research molecules from Purdue Pharma that were designed to target neuronal mechanisms associated with chronic pain and addiction. In addition, there are more than 45,000 human biosamples from consenting patients enrolled in more than 20 Phase 2 and 3 clinical trials involving opioids and non-opioids.

These unique assets, collected over more than two decades, enable research into risk factors, causes and potential treatments for addiction and chronic pain.

CPAC is composed of a group of world class scientists with expertise in the overlapping neurobiology of chronic pain and addiction whose work will be strengthened by the availability of novel chemical matter from NCWR. CEAS will provide exper-

tise in genetic targeting, in the use of neuroanalytical methods, large data analysis and advanced behavioral assessment of these drug-like substances providing the critical data that can lead to advancement to clinical trials.

“The goal of NCWR is to identify and pursue innovative technologies to help address the opioid addiction crisis in our country,” said Don Kyle, CEO of NCWR. “Scientific collaboration is crucial for success in the challenging areas of pain and addiction research and this unique partnership represents a significant step in the right direction. The inherent synergies amongst the three centers will accelerate impactful scientific research and new medical treatments on a national scale.”

The goals of the three research centers are aligned with the National Institute of Drug Abuse and the NIH Helping to End Addiction Long term (HEAL) initiative and focused on combating the opioid crisis, ameliorating the suffering of chronic pain while decreasing opioid use. They will also conduct research to find alternatives to opioids for treating acute and chronic pain, promoting recovery and prevention of relapse from opioid use disorder as well as development of rapidly acting medications for opioid overdose through advancement of novel chemistry, biology, therapies, clinical trials and education. [OSU](#)





## HONORING A LIFE OF SERVICE

**D**r. Stephanie Husen was a sports and internal medicine specialist with Warren Clinic and an Oklahoma State University College of Osteopathic Medicine class of 2004 alumna. Husen was one of four people tragically killed in a mass shooting on June 1 in the Natalie Building on the Saint Francis Hospital campus in Tulsa.

Husen's friends, family, colleagues and classmates want her to be remembered for so much more. In response, alumni from the class of 2004 worked with the OSU Foundation to establish the Dr. Stephanie Husen Memorial Scholarship.

"There is a special bond that forms between classmates in medical school, and although we may all go our separate ways in life and clinical practice, that special bond of our medical school days remains," said Dr. Stephanie Kuhlmann, an OSU-COM alumna

and pediatric medical director at Wesley Children's Hospital in Wichita, Kansas. "The OSU-COM class of 2004 was devastated to learn of the tragic death of one of our own. Our class immediately pulled together in group conversations to determine how we could best honor her and the idea of an endowed scholarship at the medical school seemed to resonate most."

In less than a month after it was established, the scholarship became endowed and now includes more than 150 gifts raised totaling more than \$45,000.

"It is absolutely amazing to see the generous outpouring of support and how quickly this scholarship reached and has exceeded the endowment goal," Kuhlmann said. "I think this is a testament to Dr. Husen as a person and the impact that she had on so many in the community around her."

## SCHOLARSHIPS

**MORE THAN \$2 MILLION**

Amount raised for scholarships for FY2021 and FY2022

**182** Number of OSU Foundation scholarships awarded for FY2021 and FY2022

**288** Number of External scholarships awarded for FY2021 and FY2022

**MORE THAN \$29.8 MILLION**

Amount raised for funding in FY2021 and FY2022

## WHITE COAT SOCIETY

Named for the physician's white coat which symbolizes the virtues of altruism, responsibility, duty, honor, respect and compassion, the White Coat Society is a group of distinguished alumni, parents, and friends who demonstrate their commitment to OSU-CHS by giving annually in unrestricted giving.

Mr. and Mrs. Bob Austin  
 Dr. Mallory Spoor-Baker and Dr. Damon L. Baker  
 Dr. M. Michelle Barlow and Mr. James Barlow  
 Dr. and Mrs. Dennis Blankenship  
 Dr. and Mrs. Steven Buck  
 Dr. Kenneth and Mrs. Jan Calabrese  
 Dr. Lora Cotton and Dr. Kenneth Graham  
 Dr. and Mrs. Jay Cunningham  
 Janell and Scott Cyrus, D.O.  
 Drs. John S. and Diana T. Deaton  
 Dr. Teresa Hardesty and Mr. Mark Hardesty  
 Dr. and Mrs. Mark Keuchel  
 Dr. Tammie Koehler and Dr. Duane Koehler  
 Dr. and Mrs. Bret Langerman  
 Brian S. Lee, D.O.  
 Dr. Jenny Lessley and Mr. Brett Lessley  
 Dr. Judy Magnusson  
 Dr. John R. Miller III  
 Dr. and Mrs. Thomas Osborn Jr.  
 Danh Alex Pham, D.O.  
 Dr. and Mrs. Gregory Root  
 Dr. Adam Smith and Dr. Rebecca Smith  
 Dr. Colbi Smithon and Dr. Corby Smithon  
 Dr. and Mrs. Mark Snell  
 Dr. and Mrs. Nabil Srouji  
 Drs. Jonathan and Andrea Stone  
 Dr. and Mrs. Kenneth Trinidad  
 Osteopathic Founders Foundation  
 Dr. and Mrs. Bill Worden  
 Dr. and Mrs. LeRoy Young  
 Dr. and Mrs. Gabriel Pitman

## LEAVE YOUR LEGACY BRICK CAMPAIGN HONORS PAST, CELEBRATES FUTURE

To mark the 50th anniversary of OSU College of Osteopathic Medicine and the lasting impact of OSU Center for Health Sciences, the Leave Your Legacy brick paver campaign was launched in 2022.

With more than 3,800 medical school graduates, and thousands more from OSU-CHS' Graduate Programs, alumni, faculty, staff and students are invited to leave their mark on the campus through the purchase of a commemorative brick paver that will be placed in the Founders Hall east courtyard on campus.

Giving levels range from \$250 to \$2,500 with the proceeds supporting students at the OSU-CHS campus

in Tulsa and the OSU-COM at the Cherokee Nation in Tahlequah.

"As we celebrate the last 50 years of excellence, I hope we can also look ahead and prepare for the next 50 years of groundbreaking research, extraordinary patient care and preeminent education so we can continue to serve Oklahoma and its citizens," said OSU-CHS President Johnny Stephens. "It's because of our supporters that we have found success and it's up to us all to help shape the next generation of enthusiastic and caring physicians." **OSU**

For more information on the Leave Your Legacy campaign, contact the OSU Foundation at [osugiving.com](http://osugiving.com).



**ADA**

**Jonathan Riddle\***  
Chickasaw Nation Medical Center  
Family Medicine

**DURANT**

**Brendan Dye**  
AllianceHealth Durant  
Family Medicine

**Brian Hughes**  
AllianceHealth Durant  
Family Medicine

**Elizabeth Landers**  
AllianceHealth Durant  
Family Medicine

**Taylor Rogers**  
AllianceHealth Durant  
Family Medicine

**LAWTON**

**Richard Freeman**  
Comanche County  
Memorial Hospital  
Emergency Medicine

**Benjamin Halloran**

Comanche County  
Memorial Hospital  
Emergency Medicine

**Maybree Lawrence**

Comanche County  
Memorial Hospital  
Emergency Medicine

**Heston Richardson**

Comanche County  
Memorial Hospital  
Emergency Medicine

**Kailee Roe**

Comanche County  
Memorial Hospital  
Family Medicine

**Frank Speer**

Comanche County  
Memorial Hospital  
Emergency Medicine

**Jefferson Sutton**

Comanche County  
Memorial Hospital  
Family Medicine

**McALESTER**

**Kyle Stilwell**  
McAlester Regional Medical Center  
Family Medicine

**NORMAN**

**Mohamad Alrifai**  
Griffin Memorial Hospital  
Psychiatry

**Joseph Bugg**  
Norman Regional Health System  
Emergency Medicine

**Zackery Fowler**  
Norman Regional Health System  
Emergency Medicine

**Brady Iba**  
Griffin Memorial Hospital  
Psychiatry

**Hannah Kramer**  
Norman Regional Health System  
Emergency Medicine

**Bryce Naberhaus**  
Griffin Memorial Hospital  
Psychiatry

**OKLAHOMA CITY**

**Leslie Barcnas**  
Integris Health  
Emergency Medicine

**Craig Beavers**  
St. Anthony Hospital  
Transitional

**Brittney Bernal**  
Integris Health  
Family Medicine

**Damiana Cabello**  
Integris Health  
Emergency Medicine

**Hannah Casper**  
Integris Health  
Emergency Medicine

**Gary Cox II**  
Integris Health  
Emergency Medicine

**Trevor Dudark**  
Integris Health  
Emergency Medicine

**Mackenzie Hartman**  
OU College of Medicine  
Family Medicine

## RESIDENCY MATCHES

### OKLAHOMA CITY, cont.

**Carlee Henderson Cox**  
OU College of Medicine  
Pediatrics

**Brendon Hines**  
Integris Health  
Family Medicine

**Brandon Hunter**  
Integris Health  
Emergency Medicine

**Rachel John**  
OU College of Medicine  
Family Medicine

**Anh Lam**  
OU College of Medicine  
Internal Medicine

**Joshuah Mayo**  
Integris Health  
Emergency Medicine

**Tristan McBee**  
Integris Health  
Emergency Medicine

**Tyler Mitchum**  
Integris Health  
Family Medicine

**Vivian Pham**  
OU College of Medicine  
Internal Medicine

**Brandon Postoak**  
Integris Health  
Emergency Medicine

**Liesl Prather**  
Integris Health  
Emergency Medicine

**Landon Sloan**  
Integris Health  
Emergency Medicine

**Brett Traxler**  
OU College of Medicine  
Anesthesiology

**John Whelan**  
St. Anthony Hospital  
Transitional Year

**Thomas Wiseman**  
St. Anthony Hospital  
Family Medicine

### STILLWATER

**Col Swayze**  
Stillwater Medical Center  
Internal Medicine

### TAHLEQUAH

**Mark Bannon\***  
Tahlequah Medical Group  
Internal Medicine



**Ruben Barroso**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Brooke Bergman**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Jennifer Callaway**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Andrew Dodd**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Landon Frank\***  
Tahlequah Medical Group  
Internal Medicine

**Evan Garrett**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Brandon Hart**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Erica Herman**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Madeline Mahoney**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Callie Merriott**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Matthew Reddick\***  
Tahlequah Medical Group  
Internal Medicine

**Paige Sanders\***  
Tahlequah Medical Group  
Internal Medicine

**Tyler Snyder**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

**Jennifer Wilkie**  
Cherokee Nation  
W.W. Hastings Hospital  
Family Medicine

### TALIHINA

**Zachary Cruse\***  
Choctaw Nation  
Healthcare Center  
Family Medicine

**Mason Two Crow\***  
Choctaw Nation  
Healthcare Center  
Family Medicine

### TULSA

**Samer Abdelkader**  
OU College of Medicine  
Pediatrics

**Ryan Acker**  
OSU Medicine  
Emergency Medicine

**Stephanie Amorim**  
OU College of Medicine  
Pediatrics

**Jon Anderson**  
OSU Medicine  
Orthopaedic Surgery

**Chelsea Arnhart**  
OSU Medicine  
Pediatrics

**Anam Ashraf**  
OU College of Medicine  
Internal Medicine

**Wesley Brantley\***  
OSU Medicine  
Obstetrics and Gynecology

**Natasha Camacho**  
OSU Medicine  
Psychiatry

**Benjamin Campbell**  
OU College of Medicine  
Family Medicine

**Breanna Carlson**  
OU College of Medicine  
Emergency Medicine

**Angela Clifton**  
OSU Medicine  
Internal Medicine

**Brooke Cloud\***  
OSU Medicine  
Pediatrics

**Zac Cockrell\***  
OSU Medicine  
Family Medicine

**Claire Collins**  
OU College of Medicine  
Pediatrics

**Codi Demere**  
OSU Medicine  
Emergency Medicine

**Jacy Donnelly**  
OSU Medicine  
Psychiatry

**Roman Edwards**  
OSU Medicine  
Emergency Medicine

**Ryan Essex**  
OSU Medicine  
Radiology-Diagnostic

**Katy Gaskill\***  
OSU Medicine  
Family Medicine

**Arne Gratias**  
OU College of Medicine  
Emergency Medicine

**Zachary Griffin**  
OSU Medicine  
Internal Medicine

**Preston Hall**  
OSU Medicine  
Psychiatry

**Taryn Haney**  
OSU Medicine  
Internal Medicine

**Tanner Hessman**  
OSU Medicine  
Emergency Medicine

**Michael Hilborn**  
OSU Medicine  
Internal Medicine

**Caleb Hill**  
OU College of Medicine  
Internal Medicine

**Sean Huff**  
OU College of Medicine  
Internal Medicine

**Nikki Igo**  
OSU Medicine  
Psychiatry

**Samuel Jellison**  
OSU Medicine  
Internal Medicine

**Caleb Jones**  
OSU Medicine  
Family Medicine

**Daniel Joung**  
OSU Medicine  
Family Medicine

**Mostafa Khattab**  
OSU Medicine  
Internal Medicine

**Anna Lillie\***  
OSU Medicine  
Obstetrics and Gynecology

**Piper Long**  
OSU Medicine  
Internal Medicine

**Danielle Manship**  
OSU Medicine  
Obstetrics and Gynecology

**Samuel McNulty**  
OSU Medicine  
Emergency Medicine

**Melissa Myers**  
OSU Medicine  
Internal Medicine

**Kyle Nolan**  
OSU Medicine  
Psychiatry

**David Orae**  
OU College of Medicine  
Family Medicine

**Daelor Osen**  
OSU Medicine  
Emergency Medicine

**Ryan Ottwell**  
OU College of Medicine  
Internal Medicine

**Ashley Pickens**  
OU College of Medicine  
Internal Medicine

**Emelia Potter**  
OSU Medicine  
Emergency Medicine

**Isaac Potter**  
OSU Medicine  
Surgery-General

**Taylor Prado**  
OSU Medicine  
Emergency Medicine

**Madison Puckett**  
OSU Medicine  
Emergency Medicine

**Brandon Quinn**  
OU College of Medicine  
Internal Medicine

**Shelby Rauh**  
OU College of Medicine  
Family Medicine

**Brooke Reeves**  
OSU Medicine  
Internal Medicine

**Cassandra Ridgway\***  
OSU Medicine  
Family Medicine

**Philip Ridgway\***  
OSU Medicine  
Family Medicine

**Luke Roberts**  
OSU Medicine  
Internal Medicine

**William Roberts**  
OSU Medicine  
Anesthesiology

**Kevin Roddy**  
OU College of Medicine  
Internal Medicine

**Amanda Schovanec\***  
OSU Medicine  
Obstetrics and Gynecology

**Ali Sharp**  
OSU Medicine  
Surgery-General

**Patrick Sharp**  
OU College of Medicine  
Emergency Medicine

**Matthew Shaw\***  
OSU Medicine  
Pediatrics

**Deric Shelton**  
OSU Medicine  
Internal Medicine Preliminary

**Ellen Shelton**  
OU College of Medicine  
Family Medicine

**Taylor Snyder**  
OSU Medicine  
Pediatrics

**Bridgette Staub,**  
OSU Medicine  
Psychiatry

**Lucille Stevens**  
OSU Medicine  
Emergency Medicine

**Katie Thompson**  
OSU Medicine  
Pediatrics

**Philip Tolentino**  
OSU Medicine  
Pediatrics

**Skylar Turner**  
OU College of Medicine  
Internal Medicine

**Scott Wallis**  
OU College of Medicine  
Internal Medicine

**Corbin Walters**  
OSU Medicine  
Internal Medicine

**Jamison Williams**  
OSU Medicine  
Internal Medicine


**Jackson Wood**  
OU College of Medicine  
Pediatrics

**Mikael Worsham-Frye**  
OU College of Medicine  
Pediatrics

**Bryan Wright**  
OSU Medicine  
Radiology-Diagnostic

**Donald Wu**  
OU College of Medicine  
Internal Medicine

**Hunter Wurtz**  
OSU Medicine  
Emergency Medicine

**Ryan Young**  
OSU Medicine  
Radiology-Diagnostic 



\* Osteopathic Medical Education Consortium of Oklahoma (OMEKO)



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OKLAHOMA STATE UNIVERSITY  
**CENTER FOR HEALTH SCIENCES**

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