

UAMS®
University of Arkansas for Medical Sciences

Arkansas Children's
HOSPITALS • RESEARCH • FOUNDATION

THE UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

DEPARTMENT OF OTOLARYNOLOGY

THE UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES

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“There has never been a more exciting time to be in medicine. Modern medicine is changing at lightning speed, offering innovative ways to discover, learn, and practice. This is a time of exceptional growth and energy at the UAMS Department of Otolaryngology - Head and Neck Surgery and UAMS, with excellence in cutting-edge clinical care, educating the next generation of healthcare providers, and conducting research to create innovative care and transformative breakthroughs in medicine.”

— ***Gresham T. Richter, M.D., FACS, FAAP***
Professor and Chair
Department of Otolaryngology-Head and Neck Surgery

HISTORY OF THE DEPARTMENT OF OTOLARYNGOLOY

The University of Arkansas for Medical Sciences (UAMS) celebrated its centennial in 1978. In 1969, Robert McGrew, M.D., became chief of the Division of Otolaryngology and was responsible for initiating the otolaryngology residency program, which was accredited in 1970.

One of the first two residents accepted into the new program was James Y. Suen, M.D. After completing his fellowship at M.D. Anderson Hospital in 1974, he returned to Little Rock and took over as head of the Division of Otolaryngology. During Dr. Suen's leadership, the division became a department in 1976. In May 2017, John L. Dornhoffer, M.D. a former resident, became chair of the department and served in that role until his retirement in 2025.



Gresham Richter, M.D., became chair of the department on Dec 1, 2025. Richter received his medical degree from the University of Colorado-Health Sciences Center in 2001. He completed his residency in Otolaryngology Head and Neck Surgery at UAMS and continued his training with a fellowship in Pediatric Otolaryngology at Cincinnati Children's Hospital Medical Center. He returned to Arkansas in 2008 and held such early leadership roles as associate residency director in 2008 to 2012 and pediatric otolaryngology fellowship director from 2009 to 2016.

Richter's national leadership roles have included president of the American Broncho-Esophagological Association in 2023-2024 and president of the Society for Ear, Nose and Throat Advances in Children in 2020-2021. He has served as the inaugural editor-in-chief of the *Journal of Vascular Anomalies* since 2019. He has published more than 140 manuscripts, five books, and over 40 book chapters. Notably, he is a senior editor of the leading textbook on Otolaryngology-Head and Neck Surgery. We are proud of our staff, our residents, our team, and their accomplishments. Our goal is to continue to seek excellence and to preserve those qualities that have brought us this far.

Department of Otolaryngology—Head and Neck Surgery

Professorships and Chair Endowments

- Gerald F. Hamra, Professorship in Otolaryngology – Head and Neck Surgery
- James Y. Suen, M.D., Endowed Chair in Otolaryngology – Head and Neck Surgery
- Benjamin and Milton Waner, M.D., Endowed Chair in Pediatric Facial Plastic and Reconstructive Surgery
- J. Floyd Kyser, M.D., Endowed Lectureship in Otolaryngology
- Samuel D. McGill, Jr., Endowed Chair in Otolaryngology Research
- James H. Hamlen, II and Robert Seibert, M.D. Endowed Chair in Pediatric
- Otolaryngology
- Josephine T. McGill Chair in Head and Neck Cancer Research
- Patricia and J. Floyd Kyser, M.D., Chair in Otolaryngology – Head and Neck Surgery
- Pamela Rakhshan Chair in Otolaryngology – Head and Neck Surgery
- Thomas McGill Chair in Otolaryngology

UAMS®
OTOLARYNGOLOGY

Department of Otolaryngology Faculty Members

Gresham T. Richter, M.D., FACS, FAAP
ProfessorandDepartment Chair UAMS and ACH Campus (Adult and Pediatric Care)

Janine M. Amos, D.O.
Assocaite Professor ACH NWAR Campus (Peds)

Jennings R. Boyette,M.D.
Associate Professor Facial Plastic and Reconstruction Surgery, General Otolaryngology UAMS Campus (Adults)

Susan D. Emmett, M.D., MPH
Professor
UAMSCampus (Adults)

Patrick L. Fraley, M.D.
Associate Professor
Conway Clinic (Adults)

Megan Gaffey,M.D.
Associate Professor
ACH NWAR Campus (Peds)

Larry D. Hartzell,M.D.
Professor LR ACH
Campus (pediatric care)

Adam Johnson,M.D., Ph.D.
Associate Professor ACH
Campus (pediatric care)

Jeffrey Kirsch, M.D., FACS
Associate Professor Conway Clinic and UAMS (Adults)

Anvesh Kompelli, M.D.
Assistant Professor UAMS and Baptist Clinic (Adults)

Tyler Merrill, M.D.
Assistant Professor
Otolaryngology UAMS
Campus (Adults)

Emily Miller, M.D.
Assistant Professor ACH – Little Rock (pediatric care)

Mauricio Moreno,M.D.
Professor and Vice Chair of Adult Services
Microvascular, Thyroid and Parathyroid, Head and Neck Oncology Surgery UAMS Campus (Adults)

Abby Nolder, M.D.
Professor and Vice Chair of Education
Pediatric Section Chief

Alexa Robbins, M.D.
Assistant Professor
Baptist Clinic (Adults)

Robert Saadi,M.D.
Assistant Professor, Otology and Neurotology UAMS Campus (Adults)
ACH Campus (pediatric care)

G. Carl Shipp, M.D.
Associate Professor General and Geriatric Otolaryngology and Facial Fractures, VA Adult ENT Clinic VA

Matthew Solverson, M.D.
Assistant Professor, Northwest, AR
(Adults)

Graham M. Strub, M.D., Ph.D., FACS
Associate Professor
Pediatric Otolaryngology, Vascular Anomalies, Head and Neck Masses, Otology ACH Campus (pediatric care)

James Y. Suen, M.D.
Distinguished Professor Head and Neck Oncology and Surgery, Vascular Malformations
and Voice Disorders
UAMS Campus (Adults)

Jumin Sunde, M.D.
Associate Professor Microvascular, Thyroid and Parathyroid, Head and Neck Oncology Surgery UAMS Campus (Adults)

Ozlem E. Tulunay-Ugur, M.D.
Professor Voice, Airway & Swallowing Disorders, Head and Neck
Oncology and Surgery, Thyroid/Parathyroid
UAMS Campus (Adults)

Emre A. Vural, M.D.
Professor, Gerald F. Hamra Professor in Otolaryngology - Head & Neck Surgery Head and Neck Oncology and Surgery, Facial Plastic and Reconstructive Surgery, Thyroid/Parathyroid, Maxillofacial Trauma UAMS Campus (Adults)

Adrian Williamson, III, M.D.
Associate Professor
UAMS / Baptist Clinic Little Rock (Adults)

Adrian Williamson, IV,M.D.
Assistant Professor ACH -
Little Rock (pediatric care)

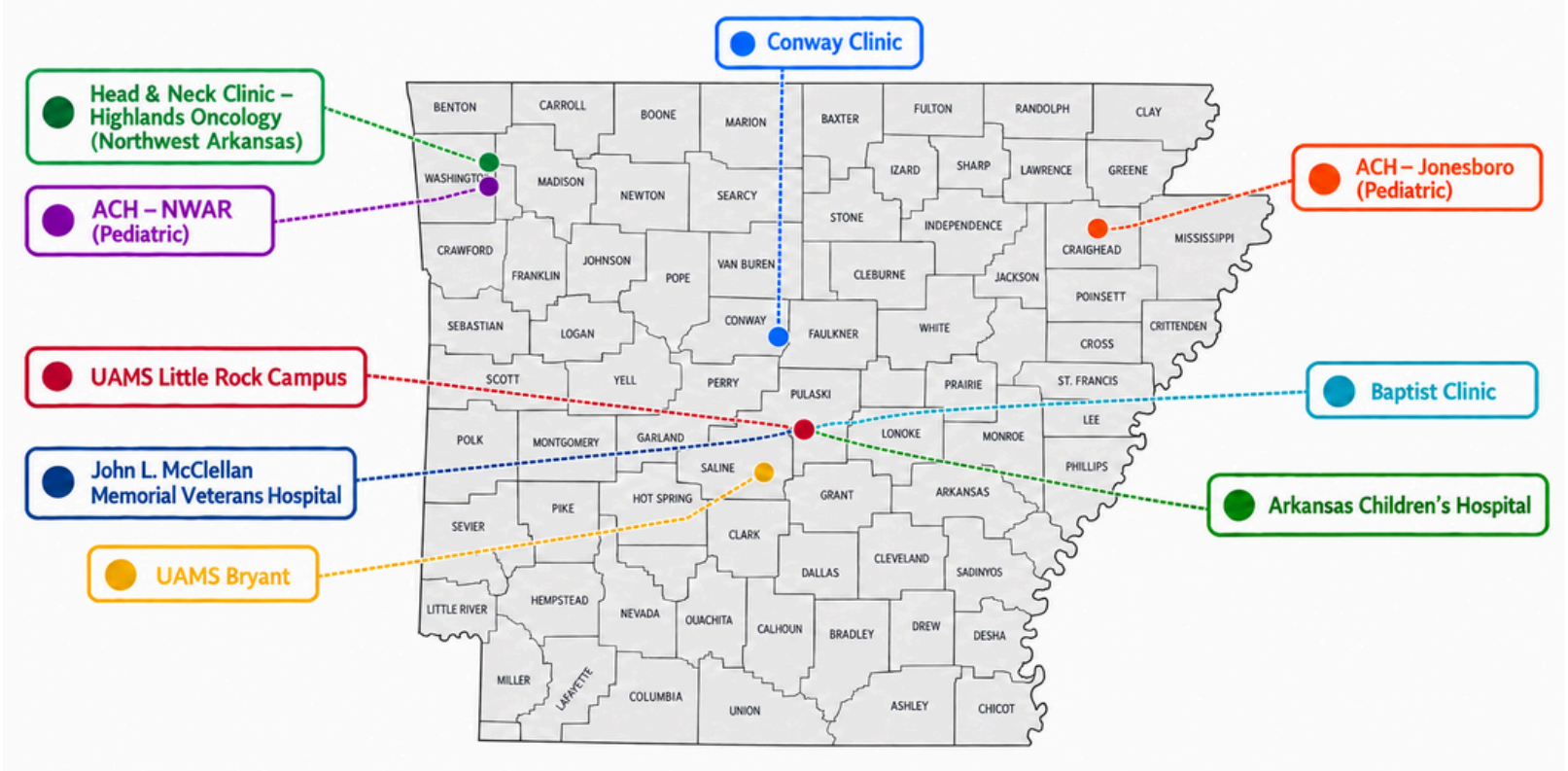
André Wineland, M.D., MSCI, FAAP
Associate Professor ACH – Little Rock (pediatric care)

PATIENT CARE / DIVISIONS AND SPECIALTIES

- Thyroid and Parathyroid surgery
- Otology/Neurotology
- Sinus surgery
- Voice, swallowing and airway disorders
- Maxillofacial trauma
- Facial plastic and reconstructive surgery
- Head and neck surgery and reconstruction
- Pediatric otolaryngology
- Cleft lip and palate surgery
- Vascular anomalies
- Laser surgery
- Skull base surgery
- Audiology
- Allergy
- General otolaryngology

CLINICAL CARE LOCATIONS

- **UAMS Little Rock Campus**
  4301 W. Markham St. , Little Rock
- **Arkansas Children's Hospital**
  1 Children's Way, Little Rock
- **John L. McClellan Memorial Veterans Hospital**
  4300 W. Seventh St. , Little Rock
- **UAMS Bryant**
  1901 Encore Way, Bryant
- **Baptist Conway Clinic**
  2425 Dave Ward Drive, Conway
- **Baptist Little Rock Clinic**
  9800 Baptist Health Drive, Little Rock
- **ACH—NWAR (pediatric)**
  2601 S. Gene George Blvd., Springdale
- **Highlands (Head and Neck Clinic)**
  3901 Parkway Cir Ste 100, Springdale
- **ACH—Jonesboro (pediatric)**
  520 Carson St. , Jonesboro, AR



FELLOWSHIP TRAINING & EDUCATION / RESIDENCY

Fellowship Education and Training

The Department of Otolaryngology offers four fellowships: Otology, Pediatric, Head and Neck, and a Research Fellowship, which are advanced training programs designed for physicians who have completed medical school and residency training in otolaryngology. These fellowships provide specialized clinical and surgical experience that prepares fellows to become experts within their chosen subspecialty.

The Clinical Research Fellowship is a one-year funded program that provides comprehensive training in clinical research, offering opportunities to participate in scholarly projects, publications, and presentations across multiple areas of otolaryngology.

Head and Neck Fellowship

The Head and Neck Fellowship Program at the University of Arkansas for Medical Sciences (UAMS) is a one-year program accredited by the American Head and Neck Society Advanced Training Council. The Division of Head and Neck Surgery/Oncology manages approximately 2,100 new patient referrals, 7,800 return visits, and more than 1,300 surgical procedures annually, including nearly 200 free flaps and 30-40 TORS cases each year.

Fellows participate in a 100% clinical experience with a structured schedule designed to maximize exposure in the operating room and clinic setting. Responsibilities include overseeing resident rounds, coordinating inpatient care with APRNs, facilitating consultations, managing urgent service needs such as tracheostomies, and performing lower-acuity procedures with minimal supervision. The program averages approximately 2,600 clinical duty hours over the 12-month fellowship year.

Pediatric Fellowship

Arkansas Children's Hospital Pediatric Otolaryngology offers fellows a comprehensive and diverse clinical and surgical training experience across all areas of pediatric otolaryngology, including otology, airway, craniofacial, vascular, sinus, and head and neck surgery. The faculty includes nationally and internationally recognized experts in complex airway surgery, cleft lip and palate surgery, otology, facial plastics, and vascular anomalies.

Through close collaboration with maxillofacial and plastic/reconstructive surgery teams, fellows gain additional exposure to complex craniomaxillofacial procedures. Training includes extensive experience in endoscopic and open airway surgery, cochlear implantation, chronic ear disease, microtia and atresiaplasty, cleft lip and palate repair, rhinoplasty, pediatric facial plastics, vascular anomaly treatment, sinus surgery, and congenital and acquired head and neck lesions, including thyroid and oncology cases.

The program performs more than 5,000 surgical cases annually, providing fellows with broad, high-volume training.

Otology Fellowship

Otology Fellowship is a one-year fellowship designed to provide advanced clinical and surgical training in otology for graduating otolaryngology residents seeking greater confidence and expertise in managing ear disease, cochlear implantation, and vertigo disorders. The program focuses on developing the knowledge and surgical skills necessary for independent clinical practice, particularly for physicians who do not plan to pursue neurotology fellowship training. Fellows gain extensive experience in the medical and surgical management of chronic ear disease, otosclerosis, adult and pediatric cochlear implantation, and balance disorders. Surgical training emphasizes cartilage tympanoplasty, canal wall down procedures, primary reconstruction, and obliterative reconstruction of open cavities. While fellows receive some exposure to neurotology and skull base procedures, the fellowship is not accredited for advanced neurotology or skull base training.

Research Fellowship

The Research Fellowship in the Department of Otolaryngology Head and Neck Surgery is a one-year funded program focused on developing strong clinical research and academic skills. Fellows participate in a wide range of clinical research projects across all otolaryngology subspecialties, with opportunities for peer-reviewed publications and presentations at national and international meetings.

Fellows are expected to lead and manage multiple projects throughout the year while receiving formal training and one-on-one mentorship in study design, IRB submission, data collection, biostatistics, manuscript preparation, presentation skills, and interview preparation. The fellowship includes close collaboration with the director of clinical research, department chair, and faculty actively engaged in research.

Program highlights include a broad clinical research portfolio, leadership and professional development opportunities, exposure to emerging “hot topics” in medicine, and focused scholarship that often results in multiple publications during the fellowship year.





Resident Education and Training





At the University of Arkansas for Medical Sciences (UAMS), the Department of Otolaryngology Head and Neck Surgery is committed to excellence in medical education, patient care, and innovative research. Our residency program provides comprehensive training across the full spectrum of ENT subspecialties, including head and neck oncology, pediatric otolaryngology, rhinology, otology, facial plastic and reconstructive surgery, and laryngology. This broad clinical exposure prepares residents to become highly skilled physicians and future leaders in the field.

Our department fosters a collaborative and inclusive environment where faculty and residents from diverse backgrounds and experiences contribute unique perspectives that strengthen our educational mission and patient care.

In addition to extensive clinical training, residents have meaningful opportunities to participate in research alongside nationally recognized physician-scientists. Through these experiences, residents contribute to advancements in otolaryngology while developing the academic and investigative skills necessary for lifelong success in the specialty.

DIVISIONS AND SUBSPECIALTIES

Otology/Neurotology

The Division of Otology/Neurotology presently offers complete service to the John L. McClellan Memorial Veterans Hospital, Arkansas Children's Hospital, and the UAMS Medical Center. This division is growing rapidly and currently handles 200 to 250 major cases a year. The academic goal of this division is to provide comprehensive instruction in the medical and surgical management of diseases of the ear through one-on-one participation with a fellowship-trained otologist/neurotologist. The division is supported by audiology personnel at each hospital. A state-of-the-art Hearing and Balance Center equipped with the latest electrodiagnostic equipment is available, including auditory brainstem response monitoring, electroneuronography, electrocochleography, electronystagmography, and otoacoustic emission monitoring. A cochlear implant team has been established at Arkansas Children's Hospital. Vestibular rehabilitation, including platform testing and therapy, is available for the evaluation and treatment of dizzy patients.

An otology rotation is provided to PGY-4 and PGY-5 residents, which emphasizes pre- and post-operative management of ear diseases as well as supervised surgery. All aspects of otology and neurotology are encompassed, including pediatric, skull base, and vestibular pathology. Training is emphasized through a state-of-the-art temporal bone lab equipped with 12 stations, including microscopes, drills, and video monitoring. An organized temporal bone lab session is held once a month, with additional or individual sessions held by request. Research is encouraged and equal emphasis is placed on clinical and basic science research. An ongoing computerized otologic surgery database facilitates clinical research, and an animal sound booth and ABR are available for basic science work.

Pediatric Otolaryngology

Continuing excellence in pediatric otolaryngology in clinical care, teaching, and research, based on one of the most complete programs in the country, is the goal of our division at Arkansas Children's Hospital (ACH).

The division of pediatric otolaryngology handles all aspects of pediatric otolaryngology, including tonsillectomy, adenoidectomy, otitis media, craniofacial anomalies, facial plastic surgery, allergy, voice and swallowing, reconstructive surgery, sinus surgery, head and neck surgery, cleft lip and palate, vascular anomalies, and airway procedures. Junior residents spend approximately half their time in the clinic and half in the operating room. The chief resident predominantly operates on upper-level cases.

The division is supported by comprehensive services in audiology, pediatric dentistry, speech and language pathology, and all other pediatric specialties.



Head and Neck Surgery

The Department of Otolaryngology Head and Neck Surgery at UAMS takes pride in its long-standing tradition of excellence in head and neck oncologic surgery. Five full-time fellowship-trained faculty devote their time to the management of head and neck tumors.

There is a large referral base from not only Arkansas, but also from adjacent states, as well as international referrals. All aspects of oncologic resection, including skull base resections and various reconstructive techniques, such as microvascular free flaps, are well represented.

Residents are actively involved in the comprehensive management of patients with head and neck tumors throughout their residency training. A multidisciplinary approach to the management of head and neck tumors is modeled by excellent collaboration with other departments, including plastic and reconstructive surgery, neurosurgery, radiation oncology, and medical oncology.

Laser Therapy and Vascular Malformation Surgery



Arkansas has become world-renowned in vascular malformation surgery. Lasers are utilized in all aspects of otolaryngologic surgery, but our program has grown far beyond standard academic laser surgery. Cutting-edge work, primarily by our physicians at ACH, has set new standards for treatment of vascular lesions, vascular anomalies, and hemangiomas. We have a comprehensive team for management of these difficult cases, and we treat lesions that other physicians in the world would not consider treating. We are also among the world leaders in research to find the cause and cure of hemangiomas. We offer a full range of elective procedures with lasers, including skin resurfacing, treatment of proliferative and non-proliferative vascular lesions, telangiectasia, and other cosmetic facial procedures.

Facial Plastic and Reconstructive Surgery



Due to the extensive amount of trauma and oncologic work done at UAMS, we perform a great deal of reconstructive work. This is coordinated closely with several specialties, including ophthalmology, dermatology, general surgery, plastic surgery, and emergency facilities at all three locations (ACH, UAMS Medical Center, and VA). In addition, the Moh's chemosurgery service at UAMS provides a large population requiring reconstruction and flaps.

An area of expertise developed at ACH provides comprehensive reconstruction in conjunction with the cleft program to include full cleft lip, cleft palate, and nasal repair. Microtia repair for ear abnormalities is also of special interest in children.

Voice and Swallowing Center



The Voice and Swallowing Center at UAMS is dedicated to the diagnosis and treatment of voice and swallowing disorders. The center also strives to advance knowledge and investigate new treatments of these disorders through research and education. The Voice and Swallowing team includes fellowship-trained doctors, speech pathologists, nurses, state-of-the-art diagnostic and treatment technology, and the resources of the UAMS Medical Center to offer comprehensive and complete care of the voice and swallowing systems.

RESEARCH

UAMS Center for Hearing Health Access

Directed by Susan D. Emmett, M.D., MPH, and Samantha Kleindienst Robler, Au.D., Ph.D., the center's primary focus is on research into hearing loss disparities, in an effort to improve access to care for people, particularly children, in underserved areas. The research aims to identify those who are at risk of developing hearing loss or are already experiencing it but haven't been diagnosed, and help them easily access affordable preventive care and treatment.

The center is the only one of its kind in the world and is home to research conducted by two multicenter networks. The Global HEAR (Global Hearing Loss Evaluation, Advocacy & Research) Collaborative is an international research network that includes a multidisciplinary group of investigators from 28 countries; and HEAR USA has six sites as the United States HEAR Collaborative branch. Both collaboratives are dedicated to reducing disparities in hearing loss across the country and worldwide.

Research at Arkansas Children's Hospital

The Research Laboratory at the Arkansas Children's Research Institute, directed by Graham Strub, M.D., continues to advance translational research focused on vascular anomalies. The laboratory is supported by a five-year, $3 million NIH R01 grant from the National Heart, Lung, and Blood Institute to develop next-generation treatments for lymphatic malformations.

A primary goal of the laboratory is to create a locally delivered, microRNA-based therapy capable of targeting multiple disease-driving pathways while reducing the systemic side effects associated with current treatments. Recent discoveries have identified important roles for microRNA-21, PDCD4, and Angiopoietin-2 in the abnormal growth of lymphatic malformation endothelial cells, providing promising targets for future therapies.

The laboratory is also expanding its research in extracranial arteriovenous malformations. Its work has demonstrated how abnormal cellular interactions, inflammatory signaling, and changes within the vascular microenvironment may contribute to disease growth and progression. Building on these findings, the Strub Laboratory is preparing a new R01 application focused on the cellular and molecular environment of extracranial AVMs. Together, these efforts support the laboratory's mission to better understand the molecular causes of vascular anomalies and translate those discoveries into innovative, locally delivered treatments.

Research Faculty



Susan Emmett, M.D., MPH
Professor,
Thomas McGill Chair in Otolaryngology,
Director of the UAMS Center for Hearing Health Access



Samantha Kleindienst Robler, Au.D., Ph.D.
Assistant Professor,
Associate Director of the UAMS Center for Hearing Health Access



Graham M. Strub, M.D., Ph.D., FACS
Associate Professor
Pediatric Otolaryngology, Vascular Anomalies, Head and Neck Masses, Otology



Samuel R. Atcherson, Ph.D., FNAP
Professor,
Director, Auditory Electrophysiology and (Re)habilitation Laboratory

ABOUT UAMS

Located in midtown Little Rock, Arkansas Children's Hospital and the University of Arkansas for Medical Sciences (UAMS) are the state's leading tertiary academic health center. UAMS includes five colleges and a graduate school at its main campus in Little Rock, including eight regional campuses and seven institutes of excellence. With its intersection of education, research and clinical programs, UAMS offers a unique capacity to lead healthcare improvement in Arkansas.

The Little Rock campus features a 559-bed hospital, including 40 psychiatric beds, and the state's only adult Level 1 Trauma Center. This campus is also home to The Orthopaedic and Spine Hospital, an $85 million, 158,000-square-foot facility complete with patient rooms and 12 operating suites, and the Radiation Oncology Center, which houses the state's first and only Proton Center.



The state's largest public employer, UAMS, has a workforce of more than 12,000 people, including over 1,200 physicians who provide care at locations across the state.





ABOUT UAMS

UAMS is home to Arkansas' only center for kidney, pancreas and liver transplants, and its survival rates for these procedures exceed the national average.

Stroke care is another area in which UAMS excels. UAMS was the first hospital in Arkansas to be certified as a Comprehensive Stroke Center, a designation given to hospitals that show the ability to receive and treat the most complex stroke cases. UAMS has also been repeatedly recognized by the American Heart Association for its exceptional care for stroke patients.

In 2024, the UAMS Medical Center was awarded the highest international recognition for excellence in nursing from the American Nurses Credentialing Center (ANCC), achieving designation as a Magnet® hospital. Fewer than 10% of U.S. health care organizations have earned Magnet® designation; AMS is one of just five hospitals in Arkansas to hold this distinction.

The UAMS Winthrop P. Rockefeller Cancer Institute is Arkansas' only academic cancer research and treatment center, offering the most advanced cancer therapies, including Arkansas' only bone marrow transplant program, the largest number of cancer clinical trials, including the state's only Phase 1 Unit, and a statewide patient navigation and outreach program.

UAMS is also a leader in brain and spine health. The Jackson T. Stephens Spine & Neurosciences Institute is the first facility in Arkansas to focus on advancing research, education, and clinical care for disorders of the brain, spine, and nervous system.

UAMS is dedicated to providing the best care for patients of all ages, and the Donald W. Reynolds Institute on Aging strives to meet the needs of older adults. Its clinical program provides superb patient care while also serving as a laboratory for education and research.

The Harvey & Bernice Jones Eye Institute provides treatment for a variety of ocular conditions and illnesses.

The Institute operates the state's only ophthalmology residency program, training the next generation of skilled ophthalmic practitioners.

At the Psychiatric Research Institute, UAMS works to improve the lives of Arkansans through the treatment and study of mental illness. The staff has the experience needed to treat patients of all ages, no matter what challenges they face.

The institute for Community Health Innovation is transforming health in Arkanas through bold innovation, research, and collaborative partnerships. By focusing on community-engaged research, the institute develops, test, ans scales evidence-based solutions for the real-workd health challenges Arkansasns face.



ABOUT UAMS







UAMS has also embraced digital health services as it pursues its goal of eliminating health disparities in Arksnas and beyond.

With five colleges — the College Health Professions and the Fay W. of Medicine, College of Nursing, College of Pharmacy, College of Boozman College of Public Health — and a graduate school, UAMS is committed to educating the health care professionals and scientists of tomorrow.

UAMS continues to grow its research health careers, with regional Over the past seven years (FY2018 to FY2024), its total extramural funding has nearly doubled. Additionally, UAMS researchers are well respected in their fields, with more than 50 current and retired faculty members listed among the top 2% of influential researchers, according to a 2020 study by Stanford University.

UAMS is the official Orthopedics and Sports Medicine provider for the University of Arkansas Razorback Athletics, offering comprehensive care to hundreds of student-athletes and daily medical coverage for 19 sports programs. UAMS and Arkansas Children's also provide Orthopedics and sports medicine care to athletes at many high schools, colleges and universities throughout the state.

Services provided by UAMS extend well beyond the Little Rock campus.

UAMS founded eight regional campuses to help address the shortage and uneven distribution of primary care physicians in Arkansas. Those centers offer care to underserved areas of the state, provide training for future medical professionals, and operate a network of pipeline programs to encourage high school students to pursue health careers. With regional campuses located in Batesville, El Dorado, Fayetteville, Fort Smith, Helena-West Helena, Jonesboro, Pine Bluff and Texarkana, UAMS is committed to improving health care throughout Arkansas.



The UAMS Health Orthopaedic & Sports Medicine Hospital is scheduled to open in Sprindale in 2027

RESEARCH at UAMS

Research is woven into every fiber of UAMS' academic and clinical endeavors, making the support and collaboration of the institution's investigators and scientists a defining trait of the university.

The **Division of Research and Innovation** at UAMS uses a multidisciplinary approach to support faculty and successfully secure extramural and intramural research funding. The Office oversees research funding of more than **$244.9 million** across UAMS and UAMS researchers working in the Arkansas Children's Research Institute and Central Arkansas Veterans Healthcare System. The Office of Research and Innovation is comprised of several labs, research cores, and offices that support, facilitate, protect, and streamline the administrative processes associated with research.

The Translational Research Institute (TRI) was established in 2009 under the National Center for Advancing Translational Sciences' (NCATS) Clinical and Translational Science Award (CTSA); the institute was formed to provide infrastructure support to ensure the rapid translation of UAMS' research discoveries to the community, navigate barriers to translational research, and invest in promising new scientists. Researchers have access to a variety of services and resources, including consultations, specialized training and subject study recruitment, to name a few. The institute supports all researchers within the UAMS system and its affiliated sites, Arkansas Children's Hospital and the Central Arkansas Veterans Healthcare System.

BioVentures was formed to accelerate the translation of the latest research and discovery innovations for launch to the global life sciences market. From intellectual property management and technology commercialization to the development of health sciences startups, entrepreneurial commercial partnerships are formed to advance UAMS' science and contribute to the health of patient populations and the economic growth and development of Arkansas. UAMS offers numerous training programs, including fastPace, a four-week biomedical commercialization course designed to help researchers and clinicians learn the basics to bridge the bench-to-business journey.

BIOVENTURES BY THE NUMBERS:

32 Invention disclosures (FY24)	***28*** Patent Applications Filed (FY24)	***32*** BioVentures companies still operating as of FY24









RESEARCH at UAMS

The Institutional Animal Care and Use Committee (IACUC) monitors and protects the welfare of animal subjects involved in biomedical research.

- 220+ active protocols from ~100 principal investigators and 24 divisions
- Approximately 12 annual protocol reviews conducted monthly or 150 each year
- 25 addendum requests reviewed per month or 300 per year
- IACUC visits the ACRI/UAMS campuses (i.e., five vivariums in four buildings; 83 labs in eight buildings) to discuss research projects, ensure housing, husbandry and procedure areas are maintained, verify that required documentation is up-to-date and check for personnel safety compliance.



The Institutional Review Board (IRB) was formed to protect the rights and welfare of subjects involved in the human research it oversees.

- Reviewed over 358 new human subject protocols with more than 1,400 open studies for FY24
- 1,005 IRB modifications considered in FY24
- The IRB office led the successful reaccreditation of UAMS' Human Research Protection Program (HRPP) in FY22. In addition to recognizing the excellence of UAMS' HRPP, the Association for the Accreditation of Human Research Protection Programs also awarded UAMS an area of distinction for its research education programs.

The Office of Research Regulatory Affairs (ORRA) acts on behalf of UAMS to fulfill sponsor responsibilities on investigator-initiated Investigational New Drug (IND) and Investigational Device Exemption (IDE) studies. They are a diverse team of experienced professionals who serve the UAMS research community by providing assistance with regulatory submissions, clinical trial monitoring, ClinicalTrials.gov registration and maintenance, and Good Tissue Practice. ORRA members are also active in presenting relevant education to the community. This is done in an effort to create an environment in which best practices become standard practices. They pride themselves on understanding and anticipating the needs of the research community while providing essential support to enable the development of well-designed, ethical studies that balance regulation with innovation in a continuously changing environment. ORRA constantly strives to contribute to the image of UAMS and Arkansas Children's Hospital as premier research organizations at the local, national and international levels.

- Currently has 20 active IND/IDE studies, with an additional 10 in the process of FDA initial submission or study startup
- Is responsible for approximately 45 FDA submissions annually, including Q-submissions, initial submissions, project modifications and safety reporting
- Receives ~150 requests annually to review protocols for IND/IDE determination and/or assistance with protocol writing/revising and project submissions
- Conducts an average of 60 monitoring visits annually at UAMS, ACH, ACRI and the University of Arkansas Little Rock
- Reviews approximately 200-300 studies annually to determine requirement for registration on ClinicalTrials.gov
- Oversight of an average of 56 records per year on ClinicalTrials.gov

RESEARCH at UAMS



Division of Research and Innovation supports UAMS faculty in grant management, grant and manuscript writing, animal care and use, human subjects research and clinical trials. They also foster faculty entrepreneurial and intellectual property pursuits through BioVentures.

- Processed more than **746 proposals**, received **368 awards**, including 178 from NIH (FY2024)
  - o Submitted proposals including requests for over **$699 million**
- UAMS continues to grow in the research arena, with more than **$173 million** in extramural funding obtained in FY2024
  - o Over the last seven years (FY2018-FY2024) our total extramural funding has nearly doubled
  - o We received nearly **$75 million** from the NIH in FY2024
- Processed over **400 awards** (FY2023)
  - o Processed over 370 outgoing subawards (FY2023)



Half of the Division of Research and Innovation's rising stars of 2024 are early-career researchers from within the Department of Pediatrics.

Science Communication Group (SciCom) is a scientific editing resource available to UAMS investigators at no cost.



- Edited **112** individual grants and **59** individual manuscripts (FY2024)
- Experienced staff of editors with research experience and certified by the Board of Editors in the Life Sciences
- Manages the submission of large multicomponent applications: COBREs, INBRE, P01s

ABOUT LITTLE ROCK

Where the Ouachita Mountains meet the Delta, you'll find the Arkansas River and Little Rock, the capital city of The Natural State. With a population of approximately 771,000, Little Rock Metropolitan Area is large enough to be culturally diverse and small enough to encourage a feeling of community among its citizens. Little Rock is full of modern innovation tempered by rich history.









ABOUT LITTLE ROCK

Cost of living in Little Rock in 2026, according to Numbeo.com, an independent cost-of-living database:

- Four-person family monthly costs: $3,862.20 per month
- A single person monthly costs: $1,080.20 per month
- Rent in Little Rock is, on average, 78.1% less expensive than New York.





Beyond affordability, Little Rock offers arts, culture, outdoor recreation, and family attractions. Residents can explore the Little Rock Zoo, Arkansas Museum of Fine Arts, the Clinton Presidential Center, and the Arkansas River Trail, with concerts, sports, and performances across all the metro area.

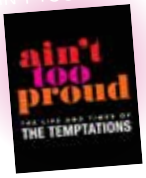


Sports fans will enjoy watching baseball games at Dickey-Stephens Park in North Little Rock, home of our minor league baseball team, the Arkansas Travelers. The Little Rock-North Little Rock area has two great venues, Simmons Bank Arena and First Security Amphitheater, which offer music lovers a chance to see their favorite performers in concert.



















ABOUT LITTLE ROCK

The city possesses breathtaking natural beauty thanks to its mountains, river valleys and miles of untouched woods. Outdoor enthusiasts can enjoy abundant opportunities for hiking, biking, sailing, kayaking, paddle-boarding, camping and more.







Annual events like the Main Street Food Truck Festival, International Greek Food Festival, Central Arkansas Pride, Mosaic Templars' Juneteenth, The Irish Cultural Society of Arkansas' St. Patrick's Day Parade, the World Cheese Dip Championship, and Africa Day Festival highlight the city's cultural diversity.

Man-made wonders such as the Big Dam Bridge and the Arkansas River Trail offer an ideal setting for a variety of outdoor activities, which help support active lifestyles.

Little Rock's more than 60 city parks provide ample access to outdoor recreation and relaxation options.

THERE IS SOMETHING FOR EVERYONE IN ARKANSAS' CAPITAL CITY!





FAMILY FUN

Little Rock is home to world-class attractions that are exciting and engaging for everyone; from the young to the young-at-heart, there's a new adventure around every corner.

The Little Rock Zoo is the state's only facility accredited by the Association of Zoos and Aquariums and home to more than 500 animals spread across a 33-acre garden. From alligators and anteaters to penguins, rhinos, tigers and zebras, you can see and learn about these incredible species and how the zoo is working toward their conservation and continued survival.

Even in the heart of the capital city you're never far from outdoor fun. The First Tee of Central Arkansas offers a par-3, nine-hole course and a traditional nine-hole course as well as some of the area's best practice facilities open to the public.

Rock Town River Outfitters offer kayak and stand-up paddle board rentals and tours of the Arkansas River in addition to a variety of bikes to explore the Arkansas River Trail.

Little Rock's more than 60 city parks provide ample access to outdoor recreation and relaxation options no matter what part of the city you call home.











FAMILY FUN IN LITTLE ROCK

Another of Little Rock's most popular family attractions is the Museum of Discovery (MOD), the state's premier science and educational center. Named a Top 10 science museum by MENSA, the MOD hosts seasonal exhibits, STEM-themed festivals for the whole family and a monthly Science After Dark event for those 21 and older.

One of the museum's most popular educational programs is geared toward introducing girls between the ages of 12-16 to STEM careers.
They also offer themed summer camps to help kids bridge the gap between brands like LEGO, Minecraft, Pokemon and STEM.
Adventurous families should take note, your next big thrill is waiting for you here. There's something for everyone, from free climbing, backpacking, spelunking to white-water rafting, mountain biking and ziplining. The best part is, because of our mild climate, you can spend way more time seeking your brand of thrill and enjoying the state's natural beauty.







ABOUT ARKANSAS



Known as the Natural State, Arkansas hosts an abundance of scenic vistas from lakes and rivers to the breathtaking Ozark and Ouachita Mountains and is home to endless outdoor adventures. Our temperate climate allows you to enjoy all four seasons in the great Arkansas outdoors. There is more to discover than just natural wonders around the state. Each region has unique attractions that draw increasing crowds from across the nation.

Pinnacle Mountain State Park is minutes west of downtown Little Rock, and the mountain's summit provides hikers with a birds-eye view of the city. The hike to the top includes several overlooks, some offering views of the water portion of the Trail of Tears route.



The park consists of various nature trails around the base, exceptional mountain bike trails for every level of rider and several canoe and kayak areas. Heading east towards Tennessee is the Arkansas Delta. This region of the state boasts some of the South's best artists, BBQ and Blues. You can visit sites dedicated to Johnny Cash and Ernest Hemingway, both of whom had a lasting connection to the region.









ABOUT ARKANSAS

Arkansas is situated at a cultural and geopgraphic crossroads, with each region of the state incorporating characteristics of the neighboring regions.

Southwest Arkansas is known for its incredible hot springs and spas, lakes, a public diamond mine, and the birthplace of America's 42nd President, Bill Clinton.

A trip to Hot Springs is a must, and if the ponies are running at Oaklawn, stop in for a corned-beef sandwich. It's a rite of passage.

> **"Petit Jean Mountain is among the most popular recreation areas in central Arkansas. Come experience the beauty from its overlooks while you hike its trails through forests and meadows, over canyons, along streams and the mountainside. — Arkansas Parks and Tourism"**

The spectacular 95-foot Cedar Falls, Seven Hollows and distinctive features such as Bear Cave, the Grotto and Natural Bridge are must-sees for all.











ABOUT ARKANSAS

Located about two hours northwest of Little Rock, The Buffalo National River Park, America's First National River, flows freely for 135 miles. Untamed and untouched, the Buffalo remains one of the only undammed rivers remaining in the lower 48 states.



The park's **94,293 acres** average more than **800,000 visitors** a year across the **100 miles** of hiking trails and designated trails for horseback riding. The **151 miles** of scenic river is perfect for kayaking or canoeing.



Northwest Arkansas is home to world-class mountain biking, hiking and backpacking. Visit the Crystal Bridges Museum of American Art, showcasing world-class art collections, beautiful Eureka Springs with its gorgeous historical buildings and wonderful shopping and the state's wine-making region along the Ozark Wine Trail.



It is a testament to the state's love of outdoor recreation, conservation, wellness and the diverse geographies of Central Arkansas, connecting **38 parks**, **six museums** and **5,000+ acres** of federal, state and local parkland.







Mission Statement

The UAMS Department of Otolaryngology-Head and Neck Surgery is committed to delivering expert, compassionate medical and surgical care for children and adults across Arkansas and beyond, advancing our specialty through innovation and discovery, and training the next generation of otolaryngologists while fostering a collaborative, supportive culture that empowers our people and strengthens the health of our patients.

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