

PROGRAMS

The Institute for Digital Health & Innovation (IDHI) at the University of Arkansas for Medical Sciences has one mission - eliminate health care disparities in Arkansas and abroad by leveraging digital health and healthcare innovations that improve the access and quality of clinical care, education, and research.

High Risk Pregnancy Program

The High Risk Pregnancy program is an innovative consultative service for a wide range of physicians including family practitioners, obstetricians, neonatologists, and pediatricians in Arkansas.

The High Risk Pregnancy program offers a wide range of programs and services including high-risk obstetrical telemedicine consultations, targeted ultrasounds, fetal non-stress tests, fetal echocardiography, newborn screening, telehealth scheduling and follow-up, a call center, case management, education for providers, and evidence-based guidelines.

CALL CENTER

- Available 24-hours a day, 7-days a week (866-273-3835)
- High-risk obstetrical patient referral scheduling and case management
- Facilitates high-risk maternal transports across Arkansas
- Offers triage support to UAMS obstetric patients, Arkansas Department of Health obstetric patients and health care providers

CASE MANAGEMENT

- Coordinates care for women with high-risk pregnancies and high-risk newborns
- Communicates with the Arkansas Fetal Diagnosis and Management Program (AFDM), which assists pregnant women and their families who have been given a diagnosis of a fetus with a known congenital anomaly or a genetic or chromosomal abnormality
- Communicates with the Centralized Antenatal Monitoring Project (CAMP), which assists stable antepartum patients with selected high-risk conditions resulting from delivery

TELEOBSTETRICS

- Provides obstetrical care for women throughout the state without the need for patient travel to Central Arkansas
- Includes high-risk obstetrics, ultrasounds, fetal echocardiography, psychiatry, diabetes, infectious diseases and other specialty services

EVIDENCE-BASED GUIDELINES

- Defines best practices that meet the needs of Arkansas' women and newborns
- Ensures the most current practice recommendations through an annual review with content experts and specialty providers

PEDIATRIC PROGRAMS

TELENURSERY

- Promotes regionalization of care and collaboration in Arkansas
- Provides neonatal and subspecialty consultations, coordination, follow up and return transports, and education

NEWBORN SCREENING

- Provides physician consultations, education, and secondary testing support for expanded newborn genetic testing statewide

FOLLOWING BABY BACK HOME

- Following Baby Back Home services Arkansas families of high-risk infants post discharge to facilitate immunization compliance, ensure follow-up appointments, and provide education to parents regarding the medical, social, emotional growth, and development needs of their infant. This program is available through UAMS Kids First.



IDHI Education

IDHI Education provides continuing education for healthcare providers in all 75 Arkansas counties. Health care providers can access educational opportunities on-site and through interactive video teleconferences. The LearnOnDemand.org provider education portal also allows healthcare providers to obtain continuing education credit for completing online modules. (For more information, see LearnOnDemand.org shown on the following page.)

ON-SITE OR INTERACTIVE VIDEO

- **Fetal Monitoring Courses** use basic, intermediate, and advanced curriculum from the Association of Women's Health, Obstetric, and Neonatal Nurses (AWHONN).
- **Neonatal Resuscitation Program (NRP)** provides an evidence-based approach to resuscitation of the newborn to physicians, nurses, respiratory therapists, and other healthcare professionals who care for newborns at the time of delivery. This is a two-part program that involves an online self-study course and an interactive, hands-on demonstration.
- **OB and Neonatal Simulation** meets the educational and training needs of healthcare professionals through obstetric and neonatal simulations and drills that ensure quality improvements and standardization of care. The program is a partnership between the UAMS Center for Simulation Education and the IDHI High Risk Pregnancy Team.

INTERACTIVE VIDEO TELECONFERENCES

- **Connecting Across Professions (CAP) Multidisciplinary Teleconference** focuses on chronic disease, healthcare trends, and inter-professional collaboration.
- **High-Risk Obstetrical Teleconference** joins healthcare providers across Arkansas to discuss obstetrical cases and best practices for selected conditions.
- **OB/GYN Grand Rounds Teleconference** provides physicians and other medical professionals the opportunity to present clinical and research topics related to OB/GYN and women's primary health care.
- **ONE Team** partners nurses from across Arkansas through telehealth to earn continuing education units using case studies, clinical/legal issue discussions, improvements to care, and best practices in nursing.
- **Peds PLACE** allows all connecting sites to interact with the speaker and with each other in real time during a weekly discussion of pediatric issues. This conference is offered via live stream to physicians and nurses so that they can join from their desktops.

- **Sugar/Safe Care, Temperature, Airway, Blood Pressure, Lab, Emotional Support (STABLE)** provides education to healthcare teams caring for newborns. The course provides standardized interventions for the post-resuscitated, pre-transported, and sick newborn.

EDUCATIONAL PARTNERSHIPS

- Breastfeeding Education is provided for healthcare professionals and mothers through leadership and participation in the following programs: Breastfeeding Promotion Taskforce, Arkansas Breastfeeding Coalition, UAMS Baby Friendly Committee, educational modules on LearnOnDemand.org and PatientsLearn.org. The High Risk Pregnancy Education team also assists with coordinating the Annual Arkansas Lactation Symposium.
- **Perinatal Outcomes Workgroup Education and Research (POWER)** is an annual event open to all hospitals in Arkansas that provide obstetric services. The group focuses on gathering input from maternal/infant nursing leadership and identifying ways to improve perinatal outcomes through statewide initiatives.

UAMS e-Link Network

Statewide Telemedicine Network

UAMS e-Link is a statewide telemedicine network that partners with over 400 healthcare, higher education, public safety, and research facilities in unserved, underserved, and economically distressed areas in Arkansas. UAMS IDHI provides network management, technical support, and training to sustain and expand the network, while also acting as a consortium leader to attain discounted broadband services through the FCC Healthcare Connect Fund.

UAMS IDHI's most modern telehealth tool, the e-Link portal, provides secure, HIPAA compliant, cloud-based virtual care delivery by participating health practices to patients via smartphone, tablet or computer.

Public Schools Program

School-Based Telemedicine

The School-Based Telemedicine program uses telehealth technology to deliver behavioral health, obesity prevention, and oral health care in School-Based Health Centers. The program, a grant partnership between the Arkansas Department of Education and the UAMS Institute for Digital Health & Innovation, currently serves four rural school districts - Magazine, Malvern, Lamar, and Jasper.

Sexual Assault Assessment Program

Sexual Assault Nurse Examiners (SANE) certified RNs will provide video consultations to emergency departments that do not have SANE certified nurses. The consult will include interaction with the patient and the emergency department nurses where the victim is located. The consults are recommendations on how to care for sexual assault victims and how to expertly collect specimens for use in the legal system.

Stroke

Arkansas Stroke Assistance through Virtual Emergency Support

The IDHI Stroke Program delivers live, telemedicine-based neurology consultation in emergency departments by connecting potential stroke patients with specialists who offer on-the-spot stroke diagnosis and treatment. Without the IDHI Stroke program, these facilities would not have the capability of providing life-saving treatment to stroke patients in Arkansas. IDHI Stroke currently partners with 48 sites across the state.

Language Interpreter Services

IDHI's Language Interpreter Service is a telemedicine-based program that utilizes equipment such as standalone video conferencing systems to meet the interpreting needs of patients and providers as they arise. Staffed with experienced and certified healthcare interpreters, IDHI currently provides interpreting services for the Spanish language between normal clinic hours of 8:00 am and 6:00 pm Central Time. We look forward to extending our hours of service and the number of languages we interpret, including sign language, in the future. If you know of a need for our service, or are interested to know more about the program, please call 501-526-0399.

Correctional Facility Telemedicine

The Correctional Facility Telemedicine program delivers routine and high-risk obstetrical support for women within the Arkansas prison system. Comprehensive care is delivered through level II ultrasound technology and telemedicine consults with genetic counselors and maternal-fetal medicine specialists at UAMS. Secure, broadband connectivity is also provided for contracted behavioral health, infectious disease management, and orthopedics.

Tele-behavioral Health Platform

UAMS' IDHI e-Link Network currently hosts over 220 individual locations across Arkansas with multiple providers and agencies that provide tele-behavioral health services to over 8,000 patients each month. Tele-behavioral health is a rapidly expanding program in the state and the Institute for Digital Health & Innovation team at UAMS provides 24x7 technical support to providers and patients, as well as training and usage reports to providers.

LearnOnDemand.org Provider Education Portal

The LearnOnDemand.org education portal allows health care providers to obtain continuing education credit for completed online modules. On-site assistance with registration is available for hospitals and clinics in Arkansas. LearnOnDemand.org can be accessed 24-hours a day, 7-days a week from any device with internet connectivity, including mobile.



PatientsLearn.org Patient Education Portal

The PatientsLearn.org education portal provides patients with up-to-date information, education, and resources regarding health and wellness through the use of online modules. Modules are available 24-hours a day, 7-days a week from any device with internet connectivity, including mobile.

South Central Telehealth Resource Center

The South Central Telehealth Resource Center (SCTRC) is a federally funded program that promotes and supports telehealth integration in healthcare settings and classrooms through existing and developing telehealth networks that serve the South's medically underserved, rural populations. The resource center website, LearnTelehealth.org, targets healthcare and health education groups that have an interest in using telehealth. The SCTRC provides technical assistance, expert resources, and a variety of educational opportunities including conferences, webinars, videos, online course modules, and blog posts. The resource center, which is part of a national consortium of telehealth resource centers, serves Arkansas, Mississippi, and Tennessee. Contact the SCTRC at 855-664-3450.

Sickle Cell Clinical Program

The Sickle Cell Clinical Program provides resources and services to Arkansas primary care physicians in support of quality care for adult sickle cell patients. The program includes a clinic to assist patients with transition from pediatric to adult care; a multidisciplinary specialist clinic that treats all aspects of sickle cell disease; a disease registry to collect data and support research; education for healthcare providers and the community; and a 24-hours a day, 7-days a week Sickle Cell Hotline: 1-855-Sic-Cell (742-2355).

UAMS Angel Eye

UAMS Angel Eye delivers real-time video and audio of hospitalized infants directly to their remote family, which strengthens bonds for a family that cannot stay with an infant during lengthy hospitalizations.

UAMS Physician's Call Center

The UAMS Physician's Call Center provides consultation, transport and triage services for Arkansas physicians. For services, call 1-866-UAMS-DOC (826-7363) or 501-686-6080. For obstetric consultations, please contact the Call Center at 866-273-3835.

UAMS | Institute for Digital Health & Innovation

IDHI@uams.edu
855-234-3348

Trauma

The IDHI Trauma Program expedites treatment for patients who have suffered a traumatic injury and provides treating physicians with immediate access to patients and injury images to determine best treatment options. Programs include Burn Trauma, Hand Trauma, Trauma Image Repository, Trauma Rehabilitation Resources Program, and the Traumatic Brain Injury State Partnership Program.

BURN TRAUMA

The Burn Trauma telemedicine program provides a telemedicine consult by an on-call burn surgeon 24-hours a day, 7-days a week from any emergency department in the state. The consultation enables better coordination of care for patients after a burn injury through immediate access to treatment and a plan of care that may include emergency transfer or follow up instructions.

HAND TRAUMA

The Hand Trauma telemedicine program provides a telemedicine consult by an on-call hand surgeon 24-hours a day, 7-days a week from any emergency department in the state. The consultation enables better coordination of care for patients after a hand injury through immediate access to treatment and a plan of care that may include emergency transfer or follow up instructions.

TRAUMA IMAGE REPOSITORY

The IDHI Trauma Image Repository Program allows hospitals within the Arkansas Trauma System to transfer radiologic images to a central repository for patients who are being transferred to a higher level of care due to traumatic injury. This program expedites the treatment, reduces radiation exposure related to duplicate imaging, reduces costs, and provides treating physicians with immediate access to patient injury images to determine the best treatment options.

TRAUMA REHABILITATION RESOURCES PROGRAM

The IDHI Trauma Rehabilitation Resources Program works to increase access to comprehensive, cutting-edge rehabilitation care and facilitate community reintegration for Arkansans who have sustained traumatic injuries. This is done through educational and resource development initiatives and access to the Call Center, a 24-hours a day, 7-days a week on-the-spot nurse and physician consultation for patient, family, and provider support.

TRAUMATIC BRAIN INJURY STATE PARTNERSHIP

Statewide Support for People Living with Brain Injuries

The Traumatic Brain Injury State Partnership Program is strengthening the infrastructure of resources, services, and support for those living with traumatic brain injuries in Arkansas. The program, a grant partnership between the Administration for Community Living, Arkansas Department of Health, and UAMS Institute for Digital Health & Innovation, works in partnership with an advisory board workgroup to identify underserved populations. The partnership helps to provide needed resources, such as the delivery of telemedicine-based consultations; evaluates data for inclusion into a comprehensive state plan; and, conducts research to support the development of a trust fund and/or waiver. The program is currently serving the state through community-based Brain Injury Regional Workshops that connect those living with brain injury, including family members, caregivers, and providers, through networking, education, and resources.