

2022

PROGRAM GUIDE

UAMS[®]

| Institute for Digital
Health & Innovation



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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 health care innovations that improve the access and quality of clinical care, research and education.

CLINICAL PROGRAMS

IDHI clinical programs provide digital health services that address a variety of unique health care needs. IDHI clinical programs help to provide Arkansans equal access to care wherever they live.

CORRECTIONAL FACILITY TELEMEDICINE

The Correctional Facility Telemedicine program delivers routine and high-risk obstetrical support for women within the Arkansas corrections system. Comprehensive care is delivered through level II ultrasound technology and telemedicine consults with an advanced practice registered nurse, genetic counselor and maternal-fetal medicine specialist at UAMS.

Secure broadband connectivity is also provided for contracted behavioral health, infectious disease management and orthopedics.



HEALTHNOW

HealthNow offers virtual health care that is easily accessible via a computer, smartphone or tablet from the comfort of a patient's home.

HealthNow providers also offer online patient support to facilitate COVID-19 monoclonal antibody and vaccine needs via MyChart.

HealthNow services include:

- Virtual urgent care
- COVID-19 and monoclonal antibody virtual screening
- Hernia clinic
- HIV prophylaxis



HIGH-RISK PREGNANCY PROGRAM

The High-Risk Pregnancy Program is a consultative service for physicians throughout Arkansas including family practitioners, obstetricians, neonatologists and pediatricians.

Services include:

- 24/7 call center support
- High-risk obstetrical telemedicine consultations
- Arkansas Fetal Diagnosis and Management Program (AFDM)
- Call center
- Case management
- Evidence-based guidelines
- Following Baby Back Home (FBBH)
- Newborn screening
- Perinatal Outcomes Workgroup Education and Research (POWER)
- Scheduling and follow-ups
- Targeted ultrasounds with genetic counseling
- Telefetal Echocardiography
- Telenursery
- Women's Mental Health Program

High-Risk Pregnancy Program

The High-Risk Pregnancy Program also provides Arkansans with education and resources to increase knowledge and improve outcomes.

- Angel Eye Camera System
- UAMS Angel Eye login
- Angels Guidelines
- Baby Bootcamp
- Breastfeeding curriculum
- Breastfeeding helpline
- Fetal Heart Rate Monitoring
- Online education for providers and patients
- Neonatal Resuscitation Program
- Nutrition Education for Diabetes in Pregnancy
- OB simulations
- Safe Sleep
- STABLE (Sugar-Temperature-Airway-Blood Pressure-Lab Work-Emotional)
- Text4baby
- UAMS Labor and Delivery video tour



LANGUAGE INTERPRETER SERVICES

IDHI's Language Interpreter Services facilitate communication between patients, families and health care professionals on the UAMS campus and beyond by using telemedicine equipment, such as tablets and standalone video conference systems.

Language Interpreter Services meet the language barrier needs of Limited English Proficiency (LEP) Hispanic patients and their health care providers.

Services include:

- Telephone interpretation
- Video Remote Interpretation (VRI)
- Document translation



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.

Services include:

- Multidisciplinary specialist clinic that treats all aspects of sickle cell disease
- Disease registry to collect data and support research
- Education for health care providers and the community
- 24/7 Sickle Cell Hotline (1-855-SIC-CELL)



STROKE PROGRAM

The Stroke Program is a consultative service that connects rural emergency departments with on-call neurologists via telemedicine.

The Stroke Program delivers live, telemedicine-based neurology consultations in emergency departments by connecting potential stroke patients with specialists who offer on-the-spot stroke diagnosis and treatment. Without this program, these facilities would not have the capability of providing life-saving treatment to stroke patients in Arkansas. The Stroke Program currently partners with 56 sites across the state.



This comprehensive program:

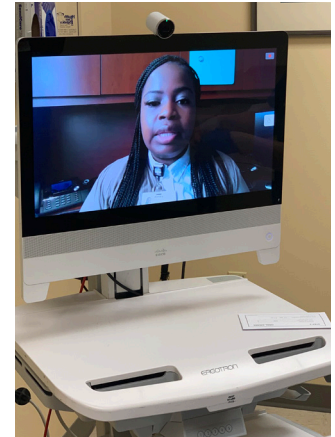
- Supports a statewide standard of care
- Offers a 24/7 call center
- Engages in community outreach
- Provides on-site and virtual training for emergency department nurses and physicians



TeleSANE

TeleSANE utilizes telemedicine to connect facility site clinicians to consultants specifically trained in caring for patients who have experienced a sexual assault. The program provides equipment, education and guidance to providers across the state of Arkansas to support a standardized care of practice. Using a telemedicine cart, a consultant meets virtually with a site nurse and the patient to provide the level of support needed.

The program connects community resources and helps build bridges to create a multi-disciplinary approach to sexual assault care. Patients can expect an evidence-based, trauma-informed medical forensic exam, connections to resources and after-care-follow-up guidance.



Serving Arkansas Neighbors Everywhere



Trauma Rehabilitation Resources Program (TRRP)

The Trauma Rehabilitation Resources Program (TRRP) works to increase access to comprehensive, cutting edge rehabilitation care and facilitate community reintegration for Arkansans who have sustained traumatic injuries.

Assistance is provided through:

- Education and resource development
- Trauma Rehabilitation Resources Program
- 24/7 nurse and physician consultation service for patient, family and provider support

The Traumatic Brain Injury (TBI) State Partnership Program, funded through the U.S. Department of Health and Human Services, Administration for Community Living, supports the development of much-needed resources for persons living with TBI.





Burn Consultation Telemedicine Program

The Burn Consultation Telemedicine Program connects a patient being seen in the emergency department with a burn surgeon via a high-definition broadband video connection. This statewide consultative service is available 24/7 and promotes better coordination of care through immediate access to treatment and a plan of care that may include transfer to another facility or follow up in a burn clinic. This program reduces patient transfers and provides patients with immediate access to a burn surgeon that specializes in burn treatment.



Trauma Image Repository (TIR)

All designated emergency departments in Arkansas can transfer radiologic images 24/7 to a Trauma Image Repository (TIR) for patients being transferred to a higher level of care. Health care professionals at the receiving facility can view the uploaded images and develop a plan of care prior to the patient's arrival.



Hand Trauma Telemedicine Program

The Hand Trauma Telemedicine Program connects a patient being seen in the emergency department with a hand trauma surgeon or other specialist via a high-definition broadband video connection. This statewide consultative service is available 24/7 and promotes better coordination of care through immediate access to treatment. This program reduces patient transfers and provides patients with immediate access to surgeons that specialize in hand trauma.

For more information about our Trauma Telemedicine Programs, scan the QR Code

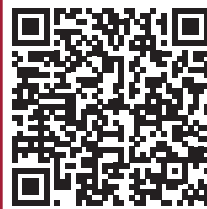


UAMS PHYSICIAN'S CALL CENTER

The UAMS Physician's Call Center provides consultation, transport and triage services for Arkansas physicians.

For services, call **1-866-UAMS-DOC**
(1-866-826-7362) or
501-686-6080.

For obstetric
consultations,
contact the Call Center
at **1-866-273-3835**.



RESEARCH

IDHI drives innovation through the creation, development and implementation of cutting edge solutions that can improve health care outcomes for Arkansans and beyond.

RURAL TELEHEALTH EVALUATION CENTER



Rural Telehealth Evaluation Center
RTEC
University of Arkansas for Medical Sciences

The Rural
Telehealth
Evaluation
Center (RTEC),

directed by the University of Arkansas for
Medical Sciences, Institute for Digital Health
& Innovation, evaluates telehealth practices
to promote rural adoption and support
among policymakers and providers.



INNOVATION

IDHI partners with any willing
player to improve health care using
technology.

We design for everyone, especially
those that live in rural areas.
We believe that sustainability is
predicated on creating value for
customers at a price they can
afford.

INNOVATION PROJECT PAGE

Through the use of technologies such as artificial intelligence (AI), 3D modeling, circuit design, testing, rapid prototyping, data analytics, data mining, and data engineering, IDHI Innovation has submitted more than 10 invention disclosures through BioVentures between 2019 and 2021.

IDHI Innovation has developed multiple software and hardware that helps UAMS internally and provides new commercialization paths.

- State calculations for PPE and distribution
- Clipbeat
- Low-cost sound based spirometer
- ETT Tube with integrated sensors on the cuff
- Brain bleed image segmentation and volume prediction
- Supply chain PAR level optimization
- Supply chain preference cards optimization software
- Sensor less joint tracker system
- Timeseries forecast for OR procedure scheduling (predicting number of procedures we will have next week)
- Timeseries forecast for OR Time efficiency management (predicting length of a procedure)
- Glove with pressure sensor for objectively evaluating patients with motor difficulties
- Video consult evaluation analysis (VideoIndexer AI)

EDUCATIONAL PROGRAMS

IDHI develops and promotes educational learning opportunities for health care professionals, patients and the community.

EDUCATION PROGRAM

The Education Team develops innovative learning and training opportunities to meet the continuing education needs of busy health care professionals and the specific needs of patients and the community.

Learning opportunities are available through:

- Face-to-face events
- Learning management systems
- Online modules
- Teleconferences

Services include:

- Customized collateral (infographics, flyers and more)
- Curriculum development
- Digital marketing
- Module creation
- Photography
- Podcast development
- Program development
- Program management
- Scriptwriting support
- Social media marketing
- Videography
- Virtual events



TELECONFERENCES

CONNECTING ACROSS PROFESSIONS (CAP)

Focuses on chronic disease, health care trends and interprofessional collaboration.

HIGH-RISK OBSTETRICAL TELECONFERENCE

Health care providers across Arkansas discuss OB cases and best practices for selected conditions.

OB/GYN GRAND ROUNDS

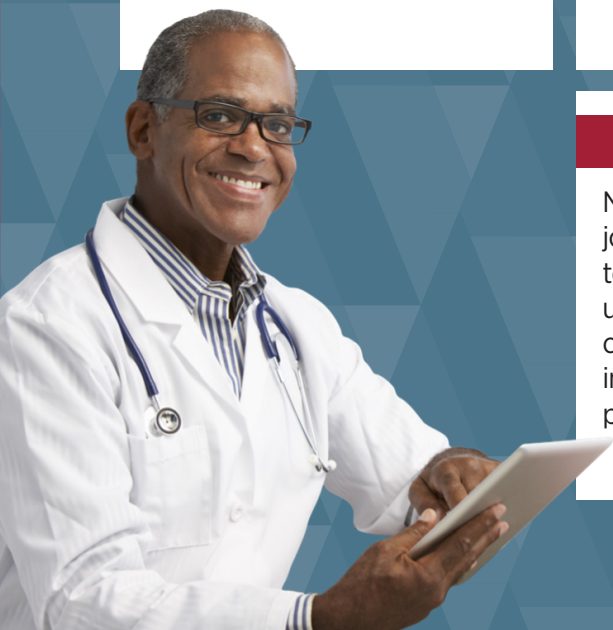
The UAMS Department of OB/GYN hosts this interactive teleconference that provides physicians and other medical professionals the opportunity to present clinical and research topics relating to OB/GYN and other areas that concern women's primary health care.

ONE TEAM

Nurses from across Arkansas join together through telehealth to earn continuing education units using case studies, clinical/legal issue discussions, improvements to care and best practices in nursing.

PEDS PLACE

In a collaborative effort, UAMS and Children's Hospital cover a different pediatric problem each week. This interactive conference begins with a case presentation that illustrates the topic to be discussed.



75 In 2020, LOD was used in
all 75 Arkansas counties.

In 2020, LOD was used in
47 states across the country. **47**

42 In 2020, LOD was used in
42 countries worldwide.

LearnOnDemand Users

2016	7,781
2017	10,196
2018	12,980
2019	15,869
2020	20,467

LearnOnDemand.org

LearnOnDemand.org is a one-stop resource for online, self-paced continuing education. Health care professionals can access clinically relevant medical resources in formats that adapt to schedules and learning styles. LearnOnDemand.org can be accessed 24/7 from any device with internet connectivity, including computers, smartphones and tablets.



PatientsLearn.org

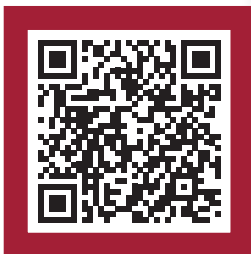
PatientsLearn.org is a website that provides patients with information, education and resources on a variety of health and wellness topics. Patients can access online modules and videos 24/7 from any device with internet connectivity, including computers, smartphones and tablets.



DELTA UPSOAR

UNDERSTANDING AND PREVENTING SUBSTANCE AND OPIOID ABUSE IN RURALITY

Delta UPSOAR is an innovative and local response specifically designed to serve youth and adults who have not received opioid and substance abuse awareness education and resources in the Arkansas counties of Baxter, Fulton, Izard, Sharp and Stone. This program, a partnership with Winrock International, UAMS and Ozarka College, provides access to preventative education and recovery resources.



HELP

HEALTH EDUCATION FOR LOCAL PROVIDERS

Health Education for Local Providers (HELP) is designed to support the development of integrated health care networks that address unmet local health care needs and prevalent health disparities in rural Delta communities. The program, which is a collaboration between the Arkansas Rural Health Partnership (ARHP) and IDHI, provides access to health care services, health care provider education opportunities, and health information technology.

PUBLIC SCHOOLS PROGRAM



FUNFIT

The Public Schools Program uses telehealth technology to deliver physical fitness, nutrition and wellness resources to all school-age children in Arkansas. The program, which is a partnership between the Arkansas Department of Education and IDHI, provides students with access to physical activities, nutritional challenges, mindfulness resources and much more via the website and social media.

STARLITE

The School Telemedicine in Arkansas for Lessons in Trauma-Informed Education (STARLITE) aims to improve school security at three pilot sites in the school districts of Jasper, Lamar and Magazine. The program will provide students, teachers, parents, and administrators with the tools needed to help recognize and respond quickly to prevent acts of violence. School personnel and students will be educated on how to prevent violence against themselves and others, including anti-bullying training.



SOUTH CENTRAL TELEHEALTH RESOURCE CENTER



The South Central Telehealth Resource Center (SCTRC) is a federally-funded program that supports telehealth integration in health care settings, classrooms and communities to serve the south's medically underserved rural populations.

The resource center website, LearnTelehealth.org, targets health care 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, monthly 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.

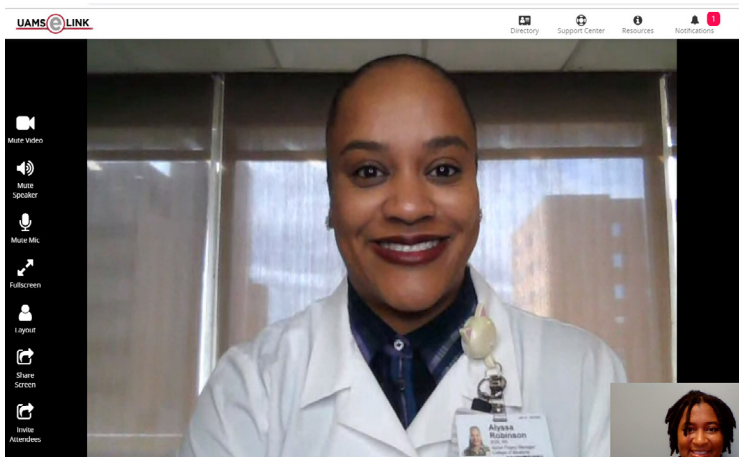


TELEMEDICINE NETWORK/ INFRASTRUCTURE SUPPORT

IDHI is committed to the expansion of broadband access across Arkansas to support the delivery of health care services to even the most rural communities.

UAMS LINK

Linking Health, Education, Research and Public Safety



The UAMS e-Link Network is a statewide telemedicine network that partners with over 400 health care, higher education, public safety and research facilities in unserved, underserved, and economically distressed areas in Arkansas. 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. The e-Link Network facilitates the implementation of virtual clinics.





**Institute for Digital
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