

ruralhealth

A WINTHROP ROCKEFELLER INSTITUTE PROGRAM

STUDENT EXPOSURE TO HEALTH CARE EXPERIENCES & CAREERS

Rural Health Summit Workgroup Summary Report & Guide to Programs



FEBRUARY 2019



Dear Rural Health Champion,

The guide you are about to explore, the *Student Exposure to Health Care Experiences and Careers Resource Guide*, is the joint effort between members of the health care industry who first came together at the 2018 Rural Health Summit at the Winthrop Rockefeller Institute. Inside, you will find a host of valuable information and contacts for many health care-related educational programs operating throughout Arkansas. All of them have a common goal: igniting a passion for health care in the next generation and showing them the many paths to a career in the field.

At the Winthrop Rockefeller Institute we believe the best solutions spring from working collaboratively with groups that reflect diversity in all forms; diversity in thought, opinion, background and experience. I'd like to extend a special thank you to the participants of the Student Exposure to Health Care Experiences and Careers workgroup who brought tireless effort and their own personal experience in health care to bear on this guide. Their dedication and knowledge are unsurpassed and the guide is the culmination of a year of research. Through the power of their collaboration, they produced an invaluable resource for those interacting with students who are interested in working in health care.

We encourage you to share the guide with any and all that could benefit from the information.

All good wishes,

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SUMMARY

With 73 of Arkansas's 75 counties designated as wholly or partially Medically Underserved Areas (MUAs), and with one-third of our currently practicing family physicians nearing retirement, it is critical that we address increasing and sustaining access to health care throughout the state with a long-term vision. The *America's Health Rankings Report for 2018* ranks Arkansas at #46 overall and highlights our shortage of dentists. The Arkansas Minority Health Commission's *2017 Arkansas Health Workforce Report* noted that some professions are completely absent in many counties, citing the lack of specialty surgeons in 45 counties as an example.

Improving health care delivery in rural Arkansas was the motivation for creating working groups at the second Rural Health Summit held in March 2018 at the Winthrop Rockefeller Institute. The **Student Exposure to Health Care Experiences and Careers (SEHEC) Workgroup** was tasked with the mission to "Create an outreach program to expose rural students to Arkansas health care professions," and a 10-year goal to have "a statewide education program for grades K-12 which delivers comprehensive exposure and opportunity for jobs/careers/certification in health care."

The SEHEC workgroup had a two-year goal to "have stakeholder buy-in, a working group assessing existing programs, a developed curriculum within a health education framework, and identified pilot schools." The workgroup tackled this by first sharing knowledge of existing programs that touched on exposing students to health care careers. The list continued to grow, and as one resource led to another, it quickly became apparent that much effort by multiple groups is already underway across the state to address this issue.

Rather than continuing with a goal to develop a curriculum program to pilot, the goal shifted to first identifying a way to share the existing programs and resources identified—particularly those that may not be as well known—and to work with those existing programs to assist in their further development and expansion.

At the same time, the workgroup looked at health care professional needs and student enrollment data across the state. Shortage area maps and student data can be found in Appendix II. While these shortage area maps focus on primary health professions, the group is keenly aware of the importance of presenting students with the wide range of health care career opportunities available to them.

A flyer, "*Healthy Links: Health Career Websites for Students and Teachers*" (Appendix I), summarizing student programs identified in Arkansas to date, was created for distribution at the 2018 annual School-Based Health Center (SBHC) Fall Training meeting for SBHC teams (schools and partners) to share existing resources gathered by the workgroup. Since then, the list has continued to grow with programs that are specifically designed to encourage students toward health careers, as well as other more general health and healthy lifestyle/self-empowerment-type programs. Information on all of these programs forms the bulk of this report.

The continued work of the group will focus primarily on planning and implementing how best to increase awareness, and expand the health career programs and resources that are already available across the state, and will draw from the following list of ideas on how that might be accomplished:

WORKGROUP IDEAS FOR NEXT STEPS

<p>1</p> <p>Develop a guide for students, parents, teachers and advisors on programs currently available for elementary, middle/junior high school, and high school students.</p>	<p>2</p> <p>Create a searchable website as a central repository for all these resources. Explore hosting and building on the existing ArkansasHealthCareers.com website.</p>	<p>3</p> <p>Search for funding to hire staff to host and maintain new website and respond to inquiries.</p>
<p>4</p> <p>Develop an app and social media presence – possible school project.</p>	<p>5</p> <p>Develop and implement a statewide information dissemination plan.</p>	<p>6</p> <p>Plan and implement tracking/evaluation plan for all efforts to assess effectiveness and evaluate if student participants are pursuing health careers and remaining in or returning to rural areas.</p>
<p>7</p> <p>Identify gaps and engage in continuous quality improvement.</p>	<p>8</p> <p>Enhance website and communications by utilizing videos/Telehealth/UAMS LearnOnDemand.org</p>	<p>9</p> <p>Pursue funding to build on and expand existing resources and programs as indicated.</p>
<p>10</p> <p>Engage college students “students talking to students” to mentor and engage with younger students.</p>	<p>11</p> <p>Explore targeted quarterly live interactive conference calls with schools and programs.</p>	<p>12</p> <p>Explore collaborating with military programs like ROTC.</p>
<p>13</p> <p>Research what other states are doing.</p>	<p>14</p> <p>Determine if some new standard student curriculum is needed.</p>	<p>15</p> <p>Develop new pilot program if indicated.</p>

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EXISTING STUDENT PROGRAMS LISTED BY FOCUS AREA & AGE GROUP

HEALTH CAREER EXPOSURE	
All Ages	<ul style="list-style-type: none"> Arkansas Career and Technical Education Be Pro Be Proud Group Presentations/UAMS Regional Programs National Outreach for Diversity in Medicine NEPRIS
Elementary School Ages 5-11	<ul style="list-style-type: none"> Junior STEM Academy
Middle School Ages 11-14	<ul style="list-style-type: none"> Academy of Pre-Health Scholars (APHS) Community Health Applied in Medical Public Service (CHAMPS) Club Scrub Girls of Promise Hands-On Health Care Junior STEM Academy
High School Ages 14-18	<ul style="list-style-type: none"> Academy of Pre-Health Scholars (APHS) AR SAVES Career Shadowing Cabot High School Medical Academy Camp Neuro/Camp Cardiac Community Health Applied in Medical Public Service (CHAMPS) Club Scrub Hands On Health Care Harding University Pharmacy Camp Health Professions Recruitment and Exposure Program (HPREP) HOSA-Health Occupation Students of America Medical Applications of Science for Health (M*A*S*H) Med Pro Mini Medical Schools (NYITCOM) Mountain Home High School Career Academies: Health and Human Services Academy New Career Pathways

EXISTING STUDENT PROGRAMS LISTED BY FOCUS AREA & AGE GROUP

HEALTH CAREER EXPOSURE	
High School Ages 14-18	<ul style="list-style-type: none"> Project H.E.A.R.T. (Health Education Advocacy Reflection and Training) Stem Premier Structure Function and Technology TRIO & Upward Bound Programs UAMS Healers (Health Education Active Learning Experience for Regional Scholars) Program UAMS Pharmacy Camp Unity Health CAMP
Undergraduate	<ul style="list-style-type: none"> Delta Care-A-Van Harding University Pharmacy Camp Health Sciences Entrepreneurship Boot Camp Mini Medical Schools (NYITCOM) New Career Pathways Pre-professional Support for College Students Stem Premier TRIO & Upward Bound Programs
HEALTH SERVICES/EDUCATION	
All Ages	<ul style="list-style-type: none"> AMHC Mobile Health Unit Arkansas 4-H Healthy Living Program Delta Care-A-Van STAR (School Telemedicine in Arkansas) Behavioral Health STAR (School Telemedicine in Arkansas) Oral Health
Middle School Ages 11-14	<ul style="list-style-type: none"> STAR (School Telemedicine in Arkansas) HealthyNOW

EXISTING PROGRAMS



AMHC MOBILE HEALTH UNIT	
Program Name	AMHC Mobile Health Unit
Sponsoring Organization	Arkansas Minority Health Commission (AMHC)
Website	https://www.arminorityhealth.com/
Contact	Beatriz Mondragon - beatriz.mondragon@arkansas.gov
Geographic Coverage/Reach	Statewide
Target Audience	Minorities (All ages)
Program Overview	This initiative will provide an avenue to double our preventive screenings by reaching people where they are within the state. The Mobile Health Unit (MHU) will provide preventive screenings, health education, and allow an opportunity of coordination of care with the MHU coordinator. Screenings will include: blood pressure, cholesterol, glucose, A1C, HIV, oral health, height, weight and BMI. The MHU coordinator will follow-up with patients that have abnormal results and share county level resources for follow-up medical care. The MHU will serve as one of the clinical laboratories for the UAMS College of Nursing baccalaureate or graduate students. The MHU will support a partnership with Arkansas Foodbanks statewide.
Program Delivery	The MHU will alternate traveling 3 days/week (Monday, Wednesday, Friday & Tuesday, Thursday, Saturday).
Cost	Services will be provided at no cost to participants. While the target population is minority Arkansans, services are available to everyone.
Opportunities for Expansion/ Program Needs/ Other Comments	The MHU will provide an opportunity to increase AMHC reach to all 75 Arkansas counties.
Attachments/Links	See page 70

ACADEMY OF PRE-HEALTH SCHOLARS (APHS)

Program Name	Academy of Pre-Health Scholars (APHS)
Sponsoring Organization	Center for Diversity Affairs
Website	https://cda.uams.edu/prgm/
Contact	Nicholas Pettus, Senior Diversity Specialist - NAPettus@uams.edu
Target Audience	Grades 8 to 11
Program Overview	<p>This program includes a four-week intensive ACT preparation and a two-week medical professions course, which are combined for a six-week comprehensive high school program targeting outstanding students in underserved populations. A wide variety of health science-related activities, such as a tour of the UAMS Simulation Center and Cross-Section Lab, physical exams of the heart, lung, and neurological systems, and dissection of fetal pigs are conducted. Scholars participate in ACT exam preparation and subject reviews, which are facilitated by the Arkansas Extended Learning Center (AELC). They also receive instruction in natural sciences, mathematics, and literacy from highly-qualified instructors. Scholars research colleges of their choice and develop personalized academic and career plans.</p> <p>During the final two weeks of the program, each scholar is assigned a role as a medical professional on an interdisciplinary team and receives a training module containing information about their specific profession. Initially, scholars are presented with a case study and are asked to respond to the questions to the best of their ability. At the conclusion of the two weeks, scholars assemble into team-based learning (TBL) groups and present a recommended course of action from the perspective of their role as a medical professional to faculty, staff, students, and family.</p>
Program Delivery	Six-week program that includes four weeks of ACT preparation and two weeks of health sciences experiences. Participants meet M-F from 8 a.m. until 4 p.m. on the campus of UAMS.
Cost	TBA

ARKANSAS 4-H HEALTHY LIVING PROGRAM

Program Name	Arkansas 4-H Healthy Living Program
Sponsoring Organization	University of Arkansas Cooperative Extension Service
Website	https://www.uaex.edu/4h-youth/activities-programs/healthy-living/ or http://www.uaex.edu/4h-youth
Contact	Contact your local county extension office or Angie Freel - 501-671-2153 or afreel@uaex.edu
Geographic Coverage/Reach	Statewide
Target Audience	School-aged youth and adult volunteers.
Program Overview	The 4-H Healthy Living program addresses issues including nutrition, fitness, substance abuse, safety, and social and emotional wellness. Programs are offered in each of Arkansas’s 75 counties and tailored to meet the needs of local youth, such as Yoga for Youth.
Program Delivery	Each county advisory committee determines the needs of their individual county regarding healthy living.
Cost	Cost is determined by the healthy living program and the supplies needed. 4-H is free to join.
Attachments/Links	https://www.uaex.edu/counties/default.aspx

ARKANSAS CAREER AND TECHNICAL EDUCATION

Program Name	Arkansas Career and Technical Education (CTE)
Sponsoring Organization	Arkansas Department of Career Education
Website	https://arcareereducation.org/
Contact	Tim Johnston, CTE Coordinator - tim.johnston@arkansas.gov
Program Overview	<p>This website is primarily designed for teachers and school administrators to access “Career and Technical Education” (CTE) Occupational programs. From the website select “Career and Technical Education” from the Services tab at the top of the page. Once the main CTE page is loaded there are several tabs across the middle of the page. One of the tabs is labeled Occupational Program Areas. Each Occupational Area’s information, including contact information is listed.</p> <p>Additionally, some of the Secondary Career Centers (https://arcareereducation.org/services/skills-development) have programs related to the health and medical fields, such as the Health Science Technology program at the Northeast Career and Technical Center. (http://www.neactc.com/programs__certifications/medical_professions)</p>
Cost	See page 74

AR SAVES CAREER SHADOWING

Program Name	Arkansas Stroke Assistance through Virtual Emergency Support (AR SAVES)
Sponsoring Organization	University of Arkansas for Medical Sciences
Website	https://arsaves.uams.edu
Contact	AR SAVES Program: 501-686-8514
Program Overview	AR SAVES uses video roleplaying with MASH program students who shadow their health professional at workshops to get first-hand experiences in the health care field.

BE PRO BE PROUD

Program Name	Be Pro Be Proud
Sponsoring Organization	Associated Industries of Arkansas
Website	https://www.beprobeproud.org/news
Contact	Andrew Parker - 501-372-2222 or aparker@arkansasstatechamber.com
Program Overview	<p>An initiative led by the Associated Industries of Arkansas, which is leading the movement to bring a new generation of pride, progress, and professionals to Arkansas’s skilled workforce.</p> <p>This is actually a tricked out tractor-trailer work station that will come to a site and give students hands-on access to a variety of skills. While not completely related to the health industry, as a mentor or educator, this site provides workshops for all types of potential skilled professions. Not every health profession has to be a doctor or nurse. There is a need for computer techs, lab techs, etc.</p>

CABOT HIGH SCHOOL MEDICAL ACADEMY

Program Name	Cabot High School Medical Academy
Website	http://www.cabotschools.org/schools/cabot-high-school
Contact	501-843-3562
Target Audience	10th through 12th grade
Program Overview	<p>The Medical Academy is a career pathway that includes two tracks for 10th- through 12th-graders: therapeutic services, sports medicine, or both. Courses offered under this program are listed in the Course Selection Booklet under <i>Career Pathways: Health Sciences (Medical Academy)</i>.</p>
Program Delivery	<p>The Academy offers coursework, membership in two clubs, job-shadowing, a Medical Honors program, field trips, summer internships, and more.</p>

CAMP NEURO/CAMP CARDIAC	
Program Name	Camp Neuro/Camp Cardiac
Sponsoring Organization	University of Arkansas for Medical Sciences
Website	http://www.campneuro.org and http://www.campcardiac.org
Target Audience	For students 15-18 years old
Program Overview	<p>Camp Neuro, run by local medical students in over 30 cities nationwide, serves as an ideal introduction for any high school student interested in exploring a career in medicine or psychology. With a focus on both education and real world experience, Camp Neuro provides students with a unique opportunity to learn directly from experts in both the medical and psychological fields. In addition, this one-week summer day camp provides a foundation for healthy living with an emphasis on both diet and exercise. Although Camp Neuro's primary focus is on care and maintenance of the brain as well as psychology, it provides an excellent starting point for careers in all fields of medicine.</p> <p>Camp Cardiac: Campers will learn a variety of skills, including how to take patient histories, suture, and perform basic routine physical exams. Lectures cover basic heart anatomy and physiology. Campers learn about careers directly from professionals a given field (e.g., physician, nurse practitioner, physician assistant, dietitian, perfusionist). A panel of medical students discuss their individual paths to medical school, and pass on the tips and lessons that they've learned from their experience. Campers learn various techniques to become/stay physically fit.</p> <p>Campers receive certification from the American Red Cross.</p>
Program Delivery	One-week summer day camps
Attachments/Links	See pages 72 - 73
Notes	Summer 2019 Scholarship and Standard Applications Open in February

CHAMPS (COMMUNITY HEALTH APPLIED IN MEDICAL PUBLIC SERVICE)

Program Name	Community Health Applied in Medical Public Service (CHAMPS)
Sponsoring Organization	UAMS Regional Programs & Arkansas Farm Bureau Foundation
Website	https://arkansashealthcareers.com/summer-camps/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	6-8 camps across the state
Target Audience	Middle/Junior/High School - entering eighth-, ninth- and tenth-graders. In 2018, CHAMPS programs were offered in Crossett, Heber Springs, Helena, Fayetteville, Hot Springs, and Pine Bluff.
Program Overview	This three- to five-day summer day camp is intended for students entering the eighth-, ninth-, and tenth-grade. CHAMPS provides hands-on experiences in health careers, healthy lifestyles, and community service through interaction with a variety of health professionals.
Program Delivery	CHAMPS camps are offered during June and July in 6-10 communities across the state. Students attend weekday sessions for 3-5 days in hospitals, clinics, colleges, and other locations.
Cost	These programs are provided free to students annually, made possible by generous funding from sponsors, including Arkansas Farm Bureau, among others.
Opportunities for Expansion/ Program Needs/ Other Comments	Additional sponsors and donors are always needed. If an individual, organization, or business would like to support these vital pipeline programs that help to ensure a health care workforce for Arkansans in the future, contact Jennifer.craig@arfb.com
Notes	CHAMPS programs are often offered in smaller, more rural communities that may not have the facilities, resources, or population to support a full two-week M*A*S*H camp.

CLUB SCRUB

Program Name	Club Scrub
Sponsoring Organization	UAMS Regional Programs
Website	https://arkansashealthcareers.com/summer-camps/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	Offered in specific schools, determined by interest and availability.
Target Audience	Middle/Junior/High School - 6th-12 grades.
Program Overview	School-based health science clubs that encourage exploration of health careers through regular meetings and hands-on activities.
Program Delivery	Club Scrub programs typically meet for 1-4 hours weekly during or after school, often sponsored by a local science teacher.
Cost	Most programs are provided free to students.
Opportunities for Expansion/ Program Needs/ Other Comments	If any science teacher or high school advisor would like to explore sponsoring a Club Scrub program at your school, please contact Amber Marshall at AMMarshall2@uams.edu.

DELTA CARE-A-VAN	
Program Name	Delta Care-A-Van
Sponsoring Organization	New York Institute of Technology College of Osteopathic Medicine at Arkansas State University
Website	https://www.nyit.edu/arkansas
Contact	Mary Margaret Jackson - marymargaret.jackson@nyit.edu
Geographic Coverage/Reach	North East Arkansas
Target Audience	Low socio-economic and medically underserved populations
Program Overview	A mobile van which provides early exposure to health care and inter-professional practice for medical students at NYIT College of Osteopathic Medicine at A-State and students from the Nursing and Health Professions College at A-State within the rural areas of the Delta. Through recurring visits to these areas, the hope is to expose young Arkansans, who may receive services, to improved access to care and options in health care professions.
Program Delivery	Continuously

GIRLS OF PROMISE	
Program Name	Girls of Promise
Sponsoring Organization	Women's Foundation of Arkansas
Website	http://girlsofpromise.org/
Target Audience	Eighth-grade girls
Program Overview	Educators from around the state recommend high-achieving girls to attend a Girls of Promise® conference for two days of activities focused on the importance of higher education and the payoff of hard work (and fun). Girls meet others like themselves and realize it's O.K. to be a bright, motivated person with big dreams. They also meet and learn from women with amazing careers such as scientists, welders, physicians, computer systems engineers, and coders.
Program Delivery	Two-day conference
Cost	Free to all accepted applicants.

GROUP PRESENTATIONS/UAMS REGIONAL PROGRAMS

Program Name	Group Presentations
Sponsoring Organization	UAMS Regional Programs
Website	https://arkansashealthcareers.com/summer-camps/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	Offered to various schools, organizations, and venues, determined by interest and availability.
Target Audience	Elementary/Middle/Junior/High School
Program Overview	Age-appropriate presentations addressing any health career topic can be requested for clubs, special interest groups, or classrooms, but is completely dependent upon availability of speakers.
Program Delivery	Length, format and subject matter can be tailored to group needs
Cost	Programs are provided free to students.
Opportunities for Expansion/ Program Needs/ Other Comments	If you would like to request a presentation, please contact Amber Marshall at AMMarshall2@uams.edu.

HANDS-ON HEALTH CARE	
Program Name	Hands On Health Care
Sponsoring Organization	UAMS Regional Programs
Website	https://arkansashealthcareers.com/summer-camps/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	Offered in specific schools, determined by interest and availability.
Target Audience	Middle/Junior/High School - Grades 6-12
Program Overview	A variety of group lessons can expose students of all ages to fun, educational, hands-on activities to introduce health careers, while also reinforcing science and math concepts in the classroom.
Program Delivery	These programs typically meet in a school or clinical setting for a 1-2 hour presentation, including hands-on-activities.
Cost	Programs are provided free to students.
Opportunities for Expansion/ Program Needs/ Other Comments	If you would like to explore a Hands-O Health Care program at your school or facility, please contact Amber Marshall at AMMarshall2@uams.edu.

HARDING UNIVERSITY PHARMACY CAMP

Program Name	Harding University Pharmacy Camp
Sponsoring Organization	Walgreens
Website	https://harding.edu/pharmacycamp
Contact	501-279-5528 or pharmacy@harding.edu
Geographic Coverage/Reach	Statewide
Target Audience	High school students who have completed grades 10, 11, and 12.
Program Overview	<p>Pharmacy Camp provides a unique opportunity for students to explore the pharmacy profession through hands-on learning experiences, classes, interaction with Harding College of Pharmacy faculty, staff, students, and much more.</p> <p>Camp activities include (but are not limited to): field trips, pharmaceutical laboratory experiences, campus scavenger hunt, group health project activity, shadowing, introduction to pharmacy curriculum, current topics, games, and recreational activities.</p>
Program Delivery	One week summer camp at Harding University
Cost	\$350 - fee covers activities, housing, and meals
Attachments/Links	See page 75

HEALTH PROFESSIONS RECRUITMENT & EXPOSURE PROGRAM (HPREP)

Program Name	Health Professions Recruitment and Exposure Program (HPREP)
Sponsoring Organization	Edith Irby Jones SNMA Chapter and Center for Diversity Affairs
Website	www.uams.cda.edu
Contact	Nicholas Pettus, Senior Diversity Specialist - NAPettus@uams.edu
Target Audience	High School
Program Overview	HPREP is a one-day conference sponsored by the Student National Medical Association (SNMA) and supported by the CDA. This conference provides high school students interested in health science careers the opportunity to interact with health care professionals and professional students through guest speaker sessions and student discussion panels. Additionally, participating students are provided tours of the gross anatomy and cross-section laboratories, simulation center, clinical skills center, and respiratory laboratory to experience a day as a professional student and the educational resources that UAMS offers.
Program Delivery	One-day conference that takes place in the Spring on the campus of UAMS.
Cost	N/A

HEALTH SCIENCES ENTREPRENEURSHIP BOOT CAMP (THE CONDUCTOR)

Program Name	Health Sciences Entrepreneurship Boot Camp
Sponsoring Organization	The Conductor, The University of Arkansas for Medical Sciences (UAMS), BioVentures
Website	http://www.arconductor.org/bootcamp/
Geographic Coverage/Reach	Statewide
Target Audience	Undergraduates
Program Overview	<p>The Health Sciences Entrepreneurship Boot Camp will guide students through an immersive, five-day training program in which they learn how to start and fund an entrepreneurial venture, meet with influential faculty, entrepreneurs, and mentors, and become exposed to entity filing, patents and legal issues in entrepreneurship. Students will form teams, create and refine new venture ideas, and talk to potential customers.</p> <p>Eligible students must have completed their sophomore year of college. Space permitting, there will be spots available for immediate graduates and graduate students. The week-long camp will conclude with a Demo Day, during which the public is invited to watch the teams present their new venture ideas.</p>
Program Delivery	Five days in summer
Cost	The camp is all-expenses-paid for accepted students, and is funded through UAMS, BioVentures and the Conductor.
Attachments/Links	See page 76
Notes	The Conductor is a public-private partnership with the University of Central Arkansas and Startup Junkie Consulting driving innovation, entrepreneurship, and economic empowerment in Central Arkansas.

HOSA	
Program Name	HOSA-Health Occupation Students of America
Sponsoring Organization	AR Dept. of Career Orientation
Website	www.HOSA.org
Contact	Barbara Dimon, State Director - barbaradimon@arkansas.gov
Geographic Coverage/Reach	Statewide
Target Audience	High School 9-12 grades
Program Overview	HOSA is an integral part of Health Science Education. Their goal is to empower future health care professionals to become leaders in the global health care community. This program works to improve the student education and skill attainment regarding various health care professions, while also working to build motivation and awareness through recognition within the program.
Program Delivery	Program is delivered at participating local high schools around the state. Students can start the program in Middle School now, but can become truly involved in ninth grade.
Cost	Varies by state. In Arkansas, the membership fee is \$15 per student. Additional cost can be incurred in the form of leadership conferences on both local and national levels. Please note, the Medical Professions program available to local high schools is different than having a HOSA chapter.
Opportunities for Expansion/Program Needs/Other Comments	As the Medical Professions programs grow, the hope is that students will want to become members of HOSA as well. Needs are based on individual school system needs.
Attachments/Links	https://arcareereducation.org/about/skills-development/secondary-technical-centers http://www.hosa.org/ See page 77
Notes	<p>HOSA is currently in the process of rolling their program out to middle school students. Medical Professions programs will start a HOSA chapter, but not all HOSA chapters are affiliated with a Medical Profession program in a local school.</p> <p>If the school wanted to start a Medical Professions program, which is separate from HOSA, they would need to contact the Department of Career Education during the application cycle to apply for available funding.</p>

JUNIOR STEM ACADEMY	
Program Name	Junior STEM Academy
Sponsoring Organization	Center for Diversity Affairs
Website	http://cda.uams.edu/prgm/jsa/
Contact	Amber Booth-McCoy - ANBooth@uams.edu
Geographic Coverage/Reach	Open to all, most enrollment from Pulaski County and surrounding areas
Target Audience	Grades K-6
Program Overview	This two-week summer program is designed to immerse students in a world of STEM that focuses on health and other sciences while incorporating technology, engineering, and mathematics. We will explore many different scientific disciplines such as biology, chemistry, physics, anatomy, astronomy, meteorology and more. JSA contains 2 field trips. There will be plenty of hands-on learning and interactive activities to engage the young minds.
Program Delivery	JSA is a two-week summer program beginning on June 10, 2019, and ending on June 21, 2019. The times are 8 a.m. to 4:30 p.m., Monday through Friday.
Cost	Application fee: \$20 non-refundable check payable to UAMS Center for Diversity Affairs in order for the application to be considered. Program fee TBA
Attachments/Links	News coverage: https://www.thv11.com/video/news/education/uams-junior-stem-academy-inspiring-young-students/91-8171147 AAMC article: https://news.aamc.org/diversity/article/pre-premed-pipeline-efforts-steer-elementary-school/

MEDICAL APPLICATIONS OF SCIENCE FOR HEALTH (M*A*S*H)

Program Name	Medical Applications of Science for Health (M*A*S*H)
Sponsoring Organization	UAMS Regional Programs & Arkansas Farm Bureau Foundation
Website	https://arkansashealthcareers.com/mashmap/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	Statewide
Target Audience	High School – entering 11th and 12th graders
Program Overview	This popular two-week summer day camp is intended for students entering their junior or senior year of high school and provides opportunities to learn about various health careers, achieve CPR certification, tour the UAMS campus, shadow health professionals, and participate in fun, hands-on experiences that demonstrate how science concepts apply to real world health care situations.
Program Delivery	M*A*S*H camps are offered during June and July in more than 30 UAMS Regional Centers and hospitals across the state. Students attend M-F weekday sessions over a two-week period.
Cost	Offered since 1988, these programs are provided free to over 500 students annually, made possible by generous funding from our sponsors, including Arkansas Farm Bureau and UAMS Regional Programs, among others.
Opportunities for Expansion/ Program Needs/ Other Comments	Additional sponsors and donors are always needed. If an individual or business would like to help support these vital pipeline programs that help to ensure a health care workforce for Arkansans in the future, please contact Jennifer.craig@arfb.com
Notes	To be eligible for a M*A*S*H program, a student must have completed two semesters of Biology, and submit an application, personal statement, and teacher/counselor recommendations.

MED PRO

Program Name	Med Pro
Sponsoring Organization	AR Dept. of Career Orientation
Website	www.arcareereducation.org
Contact	Barbara Dimon, State Director - barbaradimon@arkansas.gov
Geographic Coverage/Reach	Statewide
Target Audience	High School (Grades 9-12)
Program Overview	The Med Pro program targets high school students that have an interest in developing their skills and upon graduation working to obtain a career in the medical field. One of the goals of the Med Pro program is to help students become graduates and obtain sustainable careers in the medical field in order to help break local cycles of poverty.
Program Delivery	The Med Pro program is delivered through participating high schools around the state. Students start the program in ninth grade if they are planning to go into the medical field upon graduation. This program focuses on a set of curriculum that the student will need to accomplish to achieve their certifications after they graduate, or helps them complete the base knowledge they need to work toward completing an associate, bachelor, or doctorate degree in their declared medical profession of choice.
Cost	To start the program, it can cost schools between \$35-40,000. Schools are eligible to apply for grant funding to help defer the cost of starting a program. The application process to apply for funding starts Oct. 1. A school can start a program on their own and not apply for the grant funding.
Opportunities for Expansion/Program Needs	There are opportunities for expansion of this program in the state, because not all high schools have this available. Needs would be based on individual school systems.
Attachments/Links	<p>https://www.arcareereducation.org/services/career-technical-education/occupational-program-areas</p> <p>https://www.dropbox.com/s/gzzfr9ojlklgr/Trade%20and%20Industry%20Operational%20Guide.pdf?dl=0</p> <p>Spreadsheet of all active programs.</p>
Notes	<p>Medical Professions programs will start a HOSA chapter, but not all HOSA chapters are affiliated with a Medical Profession program in a local school.</p> <p>Med Pro programs must have a local advisory committee.</p>

MINI MEDICAL SCHOOLS	
Program Name	Mini Medical Schools
Sponsoring Organization	New York Institute of Technology College of Osteopathic Medicine at Arkansas State University
Contact	Amanda Deel - (870) 680-8195 or adeel@nyit.edu
Program Overview	Arkansas State University's NYITCOM is setting up miniature medical schools at high schools and colleges around the state. The program introduces students to the medical field and prepares them for their future education. To get into medical school, students will need a high grade point average and a science background. The mini med school program will lay the groundwork, and it also creates a pathway for minority students who might not otherwise dream of going into the medical profession.

MOUNTAIN HOME HIGH SCHOOL CAREER ACADEMIES: HEALTH AND HUMAN SERVICES ACADEMY

Program Name	Mountain Home High School Career Academies: Health and Human Services Academy
Website	http://highschool.mhbombers.com/students/academies/56
Contact	Alecia Czanstkowski, HHS Academy Leader - 870-425-1215 or aczanstkowski@mhbombers.com
Target Audience	Grades 10-12
Program Overview	<p>MHHS is a wall-to-wall Career Academy school serving grades 10 - 12 with a 9th Grade Freshman Transition Academy. All students select one of the following academies in which to participate: (1) A.C.M.E. - Agriculture, Construction, Manufacturing, and Engineering; (2) C.A.B. - Communications, Art, and Business; or (3) H.H.S. - Health and Human Services. Student academy selection is required for a one-year period. Students may opt to change academies or remain in the same academy at the end of each school year. A beginning career exploration readiness and self-discovery course called Keystone is offered in the ninth grade level at our junior high, and a follow-up course called Capstone is offered at the high school for all students in grades 11-12 to transition students from high school to college, vocational training, or the world of work.</p> <p>Internships and Work Study permits are available to qualifying seniors. Arkansas State University Mountain Home offers CNA courses for MHHS students on the college campus.</p> <p>Health and Human Services Academy Programs of Study:</p> <ul style="list-style-type: none"> Animal Systems – Agricultural Science Animal Science Early Childhood Development and Services Education and Training Family and Community Services National Security–NJROTC Therapeutic Services–Medical Professions Education
Attachments/Links	See page 79 - 80

NATIONAL OUTREACH FOR DIVERSITY IN MEDICINE

Program Name	National Outreach for Diversity in Medicine (NOD)
Website	http://nodinmedicine.strikingly.com/
Contact	Students, parents, educators, or administrators interested in bringing NOD to your local K-12 school can sign up online for more information.
Target Audience	Grades K-12
Program Overview	<p>“The mission of National Outreach for Diversity in Medicine is to inspire, recruit, and retain Underrepresented in Medicine (UIM) youth in medicine. Through pipeline programs, exposure to medicine, and mentorship, we advocate that ethnic minority youths have the capacity to become physicians. We instill the ambition and confidence in them to pursue a medical degree so that our future consists of more culturally-equipped physicians, serving medically underserved communities.”</p> <p>Goals:</p> <ul style="list-style-type: none"> To encourage under-represented minorities from K-12 public school systems to pursue medicine. To provide long-term mentorship and academic tools for students in an effort to increase their enrollment into college.

NEPRIS

Program Name	NEPRIS
Website	https://nbsteam.nepris.com/
Contact	Contact sales@nepris.com to learn about ideas & solutions for your organization.
Target Audience	All ages
Program Overview	<p>Bring classroom lessons to life! Educators can utilize this platform to expand their curriculum beyond textbooks into the world of work. By creating an account with NEPRIS, teachers can view with their students’ sessions already available or prepare for live interactive videos with professionals in multiple fields for information or provide in classroom tours.</p> <p>Health profession fields are being added. Currently there are 4 Arkansas professionals listed identified as being in the medical field.</p>
Cost	Cost to be a part of NEPRIS is low for schools to enroll.

NEW CAREER PATHWAYS

Program Name	Career Pathways System
Sponsoring Organization	Arkansas Department of Career Education
Website	www.arcareereducation.org
Contact	Janeene Lynch - 501-683-5970
Geographic Coverage/Reach	Statewide
Target Audience	High schools, post-secondary and industry
Program Overview	Career Pathways offer an efficient way to align high school occupational education and training with opportunities to earn post-secondary credentials that are industry recognized, stackable and transferable and lead to multiple career opportunities along a career path.
Program Delivery	High school students earn industry recognized credentials while earning their high school diploma.
Cost	There is no cost for assistance in looking at career pathway opportunities. There would be costs in starting new programs and sustaining programs which would vary by program. Industry partnerships can offer ways to help offset some of these costs. Schools can apply for Perkins grant funding through Arkansas Department of Career Education.
Opportunities for Expansion/ Program Needs/ Other Comments	Career pathways should align with the industry needs of your area. These pathways should be evaluated and adjusted as changes in industry needs occur.
Attachments/Links	https://cte.ed.gov/initiatives/career-pathways-systems
Notes	Please let us know of current pathways offered in your areas so we can effectively support these pathways.

PRE-PROFESSIONAL SUPPORT FOR COLLEGE STUDENTS

Program Name	Pre-professional Support for College Students
Sponsoring Organization	UAMS Regional Programs
Website	https://arkansashealthcareers.com/summer-camps/
Contact	Amber Marshall - AMMarshall2@uams.edu
Geographic Coverage/Reach	Offered throughout the state.
Target Audience	College pre-professional students (i.e., pre-medicine, pre-pharmacy, pre-dental)
Program Overview	<p>UAMS recruiters are available to serve as advisors to college students and pre-professional clubs to provide guidance and support to connect students with the resources they need to succeed in their chosen career path. Workshops can help improve skills related to admissions interviews, applications, test taking, and personal statements. Other services include:</p> <ul style="list-style-type: none"> Volunteer service opportunities MCAT (Medical College Admission Test) Exam preparation Mentoring/Shadowing opportunities
Program Delivery	Some groups, such as MCAT prep; mostly one-on-one advising.
Cost	<p>Advising is provided free to students.</p> <p>MCAT prep courses include a discounted fee.</p>
Opportunities for Expansion/ Program Needs/ Other Comments	Please contact Amber Marshall at AMMarshall2@uams.edu.

PROJECT H.E.A.R.T.	
Program Name	Project H.E.A.R.T. (Health Education Advocacy Reflection and Training)
Sponsoring Organization	New York Institute of Technology College of Osteopathic Medicine at Arkansas State University
Website	https://www.nyit.edu/arkansas
Contact	Miyah Washington - miyah.washington@nyit.edu
Geographic Coverage/Reach	Delta Region of Arkansas
Target Audience	Rising Juniors and Seniors in High School
Program Overview	A summer residential program held on the A-State campus. This program is designed for students to explore health care careers, learn about health care needs in the Delta, and discover ways they could make a difference in health care challenges in their communities. The medical students are the camp leaders. The purpose is to expose students to the possibility of pursuing higher education and furthering their interest in medical professions.
Program Delivery	Occurs yearly in June over four days and three nights.
Cost	No cost to the student.
Notes	The application process is competitive and requires a letter of recommendation from a school official.

STAR - BEHAVIORAL HEALTH	
Program Name	STAR (School Telemedicine in Arkansas) Behavioral Health
Sponsoring Organization	UAMS
Website	www.go.uams.edu/star
Contact	Alan Faulkner - akfaulkner@uams.edu Tina Pilgreen - kepilgreen@uams.edu
Geographic Coverage/Reach	School-based health centers in Arkansas
Target Audience	School aged children
Program Overview	Enhance student access to behavioral health providers by providing real-time, on-the-spot care. Increase the number of students treated for behavioral health related issues. Provide clinical consults and medication management in real time.
Program Delivery	As needed during school-based health center hours
Cost	Funded through a four-year HRSA grant which began in 2016. Free to students. STAR is a first-ever effort to bring telemedicine care to Arkansas's rural School-based Health Centers through a grant partnership between AR Department of Education and the UAMS Center for Distance Health.
Opportunities for Expansion/ Program Needs/ Other Comments	Continue to add more School-based Health Centers in Arkansas.
Attachments/Links	https://www.facebook.com/staruamscdh/ https://www.instagram.com/staruamscdh/ http://sites.uams.edu/star/newsroom/ See page 82

STAR - HEALTHYNOW

Program Name	STAR (School Telemedicine in Arkansas) HealthyNOW
Sponsoring Organization	UAMS
Website	www.go.uams.edu/star
Contact	Alan Faulkner - akfaulkner@uams.edu Tina Pilgreen - kepilgreen@uams.edu
Geographic Coverage/Reach	Malvern, Jasper, Lamar, and Magazine school districts in AR
Target Audience	Middle school students
Program Overview	Provide one-on-one clinical consults with University of Arkansas for Medical Sciences Dietetic professionals and University of Central Arkansas Exercise Science students. Provide online educational resources, physical activity opportunities, and weekly health challenges.
Program Delivery	Weekly challenges; monthly clinical consults during school year (August-May)
Cost	Funded through a four-year HRSA grant which began in 2016. Free to students. STAR is a first-ever effort to bring telemedicine care to Arkansas's rural School-based Health Centers through a grant partnership between AR Department of Education and the UAMS Center for Distance Health.
Opportunities for Expansion/ Program Needs/ Other Comments	Expand to all ages and more schools in Arkansas.
Attachments/Links	https://www.facebook.com/staruamscdh/ https://www.instagram.com/staruamscdh/ http://sites.uams.edu/star/newsroom/ See page 82

STAR - ORAL HEALTH	
Program Name	STAR (School Telemedicine in Arkansas) Oral Health
Sponsoring Organization	UAMS
Website	www.go.uams.edu/star
Contact	Alan Faulkner - akfaulkner@uams.edu Tina Pilgreen - kepilgreen@uams.edu
Geographic Coverage/Reach	School-based health centers in Arkansas
Target Audience	School aged children
Program Overview	Enhance student access to oral health providers by providing real-time, on-the-spot care Increase the number of students treated for dental decay and sealants. Provide clinical consults and medication management in real time.
Program Delivery	As needed during school-based health center hours
Cost	Funded through a four-year HRSA grant which began in 2016. Free to students. STAR is a first-ever effort to bring telemedicine care to Arkansas's rural School-based Health Centers through a grant partnership between AR Department of Education and the UAMS Center for Distance Health.
Opportunities for Expansion/ Program Needs/ Other Comments	Continue to add more School-based Health Centers in Arkansas.
Attachments/Links	https://www.facebook.com/staruamscdh/ https://www.instagram.com/staruamscdh/ http://sites.uams.edu/star/newsroom/ See page 82

STRUCTURE FUNCTION AND TECHNOLOGY

Program Name	Structure Function and Technology
Sponsoring Organization	New York Institute of Technology College of Osteopathic Medicine at Arkansas State University
Website	https://www.nyit.edu/arkansas
Contact	Miyah Washington - miyah.washington@nyit.edu
Geographic Coverage/Reach	Arkansas, Missouri
Target Audience	High-school students
Program Overview	A one-day program for high school students that occurs during the school year. Students learn about and use different types of technology including ultrasound to ‘see’ anatomy on themselves before participating in an actual anatomy lab.
Program Delivery	Occurs in the Medical School at Wilson Hall on the A-State Campus
Cost	No cost to attendees

TALLO	
Program Name	Tallo
Website	www.hosa.org/tallo
Contact	Chanelle Ragland, Director of Strategic Partnerships
Geographic Coverage/Reach	United States
Target Audience	High School/ College age
Program Overview	This program is a partner with HOSA and focuses on connecting high school and college-age students with employers seeking specific skill sets. This program is the High School/College version of LinkedIn. This program is the crossroads where students, colleges, and corporations meet.
Program Delivery	Social media, targeted toward high school/college-age. Information entered into this system is protected until the employer makes contact with the participant.
Cost	Free
Opportunities for Expansion/ Program Needs/ Other Comments	This information is shared with those schools that participate in the state HOSA program so that students can network in a safe environment with potential employers. Needs of the program would include continuing to share the information with our school districts in the state.

TRIO & UPWARD BOUND PROGRAMS	
Program Name	TRIO & Upward Bound Programs
Sponsoring Organization	The Arkansas Association of Student Assistance Programs (AASAP)
Website	http://www.arkansastrio.org/
Contact	Billy Ray Huggins, AASAP President - brhuggins@ualr.edu
Geographic Coverage/Reach	Statewide
Target Audience	Elementary School, Middle School, High School, College level students
Program Overview	AASAP is the state organization of the U.S. Department of Education TRIO Programs, which provide educational opportunities for first generation, low-income and students with disabilities in high school and college.
Program Delivery	Depends upon program.
Cost	Free - federally funded grant means NO cost to students.
Opportunities for Expansion/ Program Needs/ Other Comments	TRIO programs will feed into other TRIO programs (i.e. Upward Bound will feed into Student Support Services programs).
Notes	TRIO's goal is to assist low income, first generation college students with support, academic assistance, and many other items to plan to be successful in college.

UAMS PHARMACY CAMP	
Program Name	Pharmacy Camp
Sponsoring Organization	UAMS College of Pharmacy
Website	https://pharmcollege.uams.edu/prospective-students/doctor-of-pharmacy-program/pharmacy-camp/
Contact	Alex B. Holladay - abholladay@uams.edu
Geographic Coverage/Reach	Statewide
Target Audience	High school rising seniors and recently graduated high school students starting college in the fall.
Program Overview	The UAMS College of Pharmacy Summer Camp Program is designed for high school rising seniors and recently graduated high school students entering college interested in learning more about the challenging career pathway opportunities in the profession of pharmacy. This unique camp incorporates active participation in a broad scope of learning experiences including hands-on training in pharmacy practice skills, lectures by College of Pharmacy faculty and local Arkansas pharmacist practitioners, and field trips to actual pharmacy practice locations. The camp program reviews pharmacy education opportunities and the pharmacy curriculum at UAMS as well as recommended high school preparatory and collegiate pre-pharmacy course work.
Program Delivery	One week during the summer
Cost	Camp tuition is \$400.00 and includes housing, all meals, camp instruction materials, laboratory exercise supplies, and field trip transportation and expenses. Scholarships are available.

UAMS HEALERS PROGRAM	
Program Name	UAMS Healers (Health Education Active Learning Experience for Regional Scholars) Program
Sponsoring Organization	University of Arkansas for Medical Sciences
Website	https://uamshealth.com/patientsandguests/volunteer/hospitalvolunteer/volunteerteenprograms/
Contact	Marcia Dunbar - (501) 686-5657 or mdunbar@uams.edu
Geographic Coverage/Reach	Pulaski County
Target Audience	High school students who will be entering their junior or senior year
Program Overview	<p>Hands-on, interactive program which allows students to:</p> <ul style="list-style-type: none"> Learn and ask questions about a variety of medical careers directly from a professional in that field. Learn how to administer first aid to accident victims to include bandaging, control of bleeding, splinting and spinal immobilization. Learn how to administer Basic Life Support (CPR). Demonstrate a better understanding of medical terminology. Demonstrate an increased awareness of teenage health-related issues, enabling each individual to make better informed decisions based on scientific data. To gain experience in a clinical setting through active volunteering.
Program Delivery	Two weeks during the summer
Attachments/Links	www.tinyurl.com/UAMSHealers

UNITY HEALTH CAMP	
Program Name	Unity Health CAMP (Careers and Medical Professions)
Sponsoring Organization	Unity Health
Website	https://www.unity-health.org/unity-health-camp
Contact	Delaney Vershum, Searcy Camp Director - 501-380-3381 or delaney.vershum@unity-health.org Michelle Foshee, Newport Camp Director - 870-512-3081 or michelle.foshee@unity-health.org
Target Audience	Grades 11-12
Program Overview	<p>CAMP is a special summer program designed for high school students who are interested in pursuing careers in the health care field. The program offers students opportunities to participate in medical-related activities such as first aid, CPR, and basic nursing skills.</p> <p>Additional Learning Opportunities Include:</p> <ul style="list-style-type: none"> Unity Health facility tours Guest speakers Shadowing medical personnel Disaster drill Health care job preparation Mock interviews
Program Delivery	<p>One-week summer day camps offered at:</p> <ul style="list-style-type: none"> Unity Health - White County Medical Center, Searcy, AR Unity Health - Harris Medical Center, Newport, AR
Cost	Free

APPENDIX I
Healthy Links





Healthy Links

Health Career Websites for Students & Teachers

<http://www.hosa.org/node/50>

HOSA – Health Occupations Students of America. This is a school program that promotes career opportunities for middle school students in grades 6-8 and secondary students 9-12 interested in the health care industry and Biomedical Sciences. Students often graduate with certificates. Schools apply to be involved with HOSA and get funding for the equipment required for the classes. To apply go online or contact Barbara Dimon at 501-682-1271 or Barbara.dimon@arkansas.gov.

<http://www.stempremier.com>

HOSA has partnered with STEM Premier. STEM Premier assists all levels of talent in identifying career pathways from middle school through college. Students can create profiles for people to review and companies or colleges to contact and can update when activities or achievements are made. Contact Barbara Dimon at 501-682-1271 or Barbara.dimon@arkansas.gov.

<https://arcareereducation.org/>

The Arkansas Department of Career Education has Health and Safety curriculum for grades 5-8 and Health and Safety Education and Physical Education for grades 9-12. Contact Tim Johnston at 501-682-6636 or tim.johnston@arkansas.gov

<https://arkansashealthcareers.com/> and <https://regionalprograms.uams.edu/students/>

UAMS Regional Programs have health career recruitment specialists operating out of each of their eight regions to connect students and teachers with educators, programs, health care professionals and other resources around the state. These recruiters can educate students and counselors about various health care professions, offer and facilitate opportunities for hands-on experiences, explore mentoring and shadowing opportunities, and advise and prepare students to apply to health professional schools.

Some examples of program offerings available through Regional Programs include:

- M*A*S*H (Medical Application of Science for Health) – a two-week summer program for high school students, hosted by UAMS Regional Centers and community hospitals around the state.
- CHAMPS (Community Health Applied in Medical Public Service) – a 3-5 day spring or summer program for middle/junior high students.
- Club Scrub/Med Pro-Ed – School-based clubs (8th-12th grade) to encourage exploration of health careers through regular meetings and hands-on activities.
- Hands-on Healthcare – Various group lessons expose students of all ages to hands-on activities to introduce health careers, while reinforcing science and math concepts in the classroom.
- Group Presentations – Other age-appropriate presentations can be requested for clubs, groups, or school classroom settings.

For more information on opportunities, events, and resources available in your region, teachers, counselors and students are encouraged to consult the map in the “Locate Your Recruiter” from the site address and contact the recruiter closest to you.

Additional information and resources may be found using the above websites:

Contact Robin Howell at howellrobinA@uams.edu or Amber Marshall at ammarshall2@uams.edu



Healthy Links - continued

Other UAMS partners with health programs for K-12:

1. UAMS Center for Diversity Affairs: <http://cda.uams.edu/prgm/>
Contact Nick Pettus
NAPettus@uams.edu
2. UAMS HEALERS Program: <https://uamshealth.com/patientsandguests/volunteer/hospitalvolunteer/volunteerteenprograms/>
Contact Jennifer Huie
jlhuie@uams.edu
3. UAMS College of Pharmacy- Pharmacy Camp: <https://pharmcollege.uams.edu/prospective-students/doctor-of-pharmacy-program/pharmacy-camp/>
Contact Alex Holladay
ABHolladay@uams.edu

<https://nbsteam.nepris.com/>

Bring classroom lessons to life! Educators can utilize this platform to expand their curriculum beyond textbooks into the world of work. By creating an account with NEPRIS, teachers can view with their students, sessions already available or prepare for live interactive videos with professionals in multiple fields for information or provide in classroom tours. Health profession fields are being added. Cost to be a part of NEPRIS is low for schools to enroll. To learn about specific ideas and solutions for your organization, contact sales@nepris.com

<https://www.beprobeproud.org/news>

This is actually a tricked-out tractor-trailer work station that will come to a site and give students hands on access to a variety of skills. While not completely related to the health industry, as a mentor or educator, this site provides workshops for all types of potential skilled professions. Remember, not every health profession has to be a doctor or nurse. There is a need for computer techs, lab techs, etc.

Contact Andrew Parker at 501-372-2222 or aparker@arkansasstatechamber.com

<https://www.ruralhealthinfo.org/>

The Rural Health Information Hub is a wealth of knowledge for all types of rural data, demographics, health workforce, maps, charts, etc. It lists courses, training, funding opportunities, program models, and innovations.

For resource and referral service call 1-800-270-1898 or info@ruralhealthinfo.org

<https://sites.uams.edu/star>

School Telemedicine in Arkansas (STAR) brings telemedicine care to Arkansas rural School Based Health Centers (SBHC) by providing real-time on the spot care. This introduces students to health related professions. It includes three programs:

HealthyNOW! <https://sites.uams.edu/star/healthynow/> - provides online educational resources, physical activity opportunities, and weekly health challenge.

Behavioral Health - <https://sites.uams.edu/star/behavioral-health/> - behavioral health means mental and emotional well being. The program helps identify youth risky behaviors and promote long-term emotional health

Oral Health - <https://sites.uams.edu/star/oral-health/> This program will start in the 2018-2019 school year.

Contact Tina Pilgreen; Health Educator/Outreach at 501-526-7419 or kepilgreen@uams.edu

<https://www.uaex.edu/4h-youth/activities-programs/healthy-living>

4-H – Head, Heart, Hands, & Health. The 4-H Healthy Living programs addresses issues including nutrition, fitness, substance abuse, safety, and social and emotional wellness. Programs are offered in each of Arkansas' counties and tailored to meet the needs of local youth such as Yoga for Youth. Contact your local county extension office or Lisa Washburn at 501-671-2099 or lwashburn@uaex.edu.

<http://www.arkansastrio.org/>

The Arkansas Association of Student Assistance Programs (AASAP) is the state organization of the U.S. Department of Education TRIO Programs, which provide educational opportunities for first-generation, low income and students with disabilities in high school and college. Contact Billy Ray Huggins brhuggins@ualr.edu

Arkansas Farm Bureau <https://www.arfb.com/pages/education/>



APPENDIX II
Maps & Charts



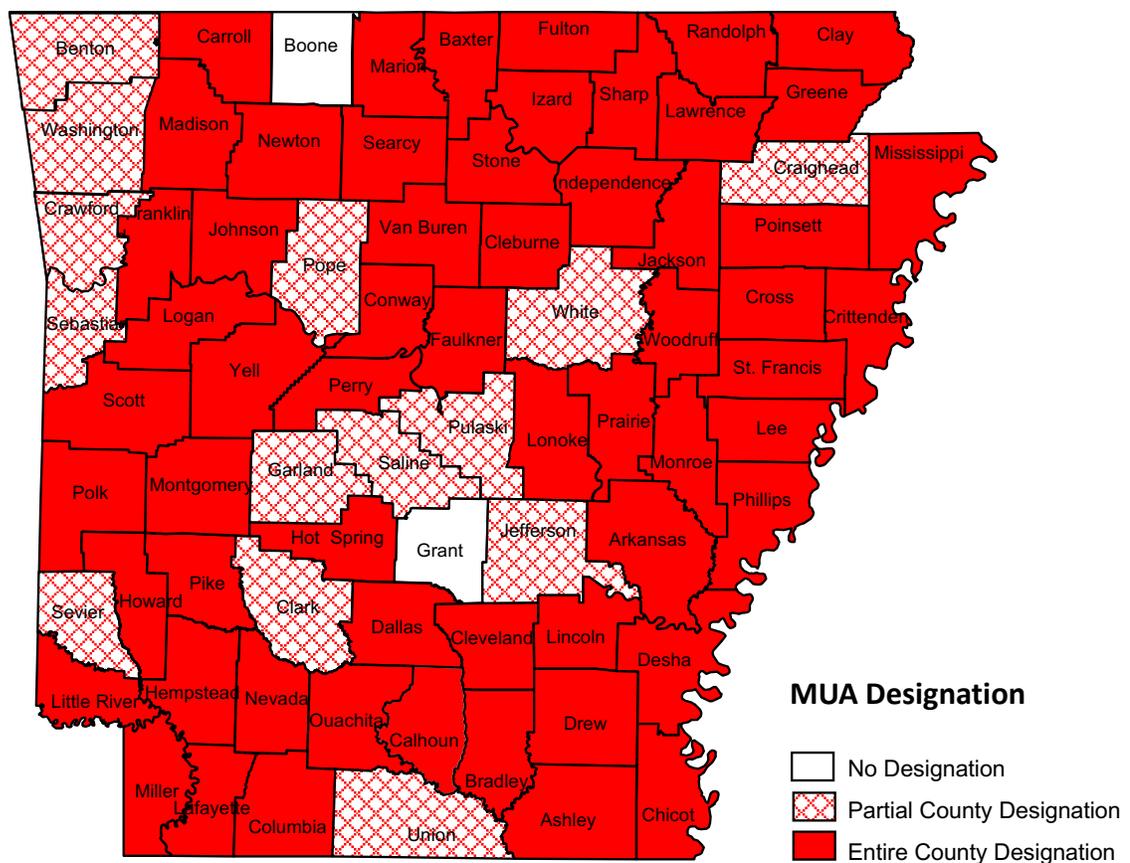
MEDICALLY UNDERSERVED AREAS (MUAS)

MUAs identify geographic areas with a lack of access to primary care services. The MUA designation is based on the Index of Medical Underservice (IMU). IMU is calculated based on four criteria:

- the population to provider ratio
- the percent of the population below the federal poverty level
- the percent of the population over age 65
- the infant mortality rate

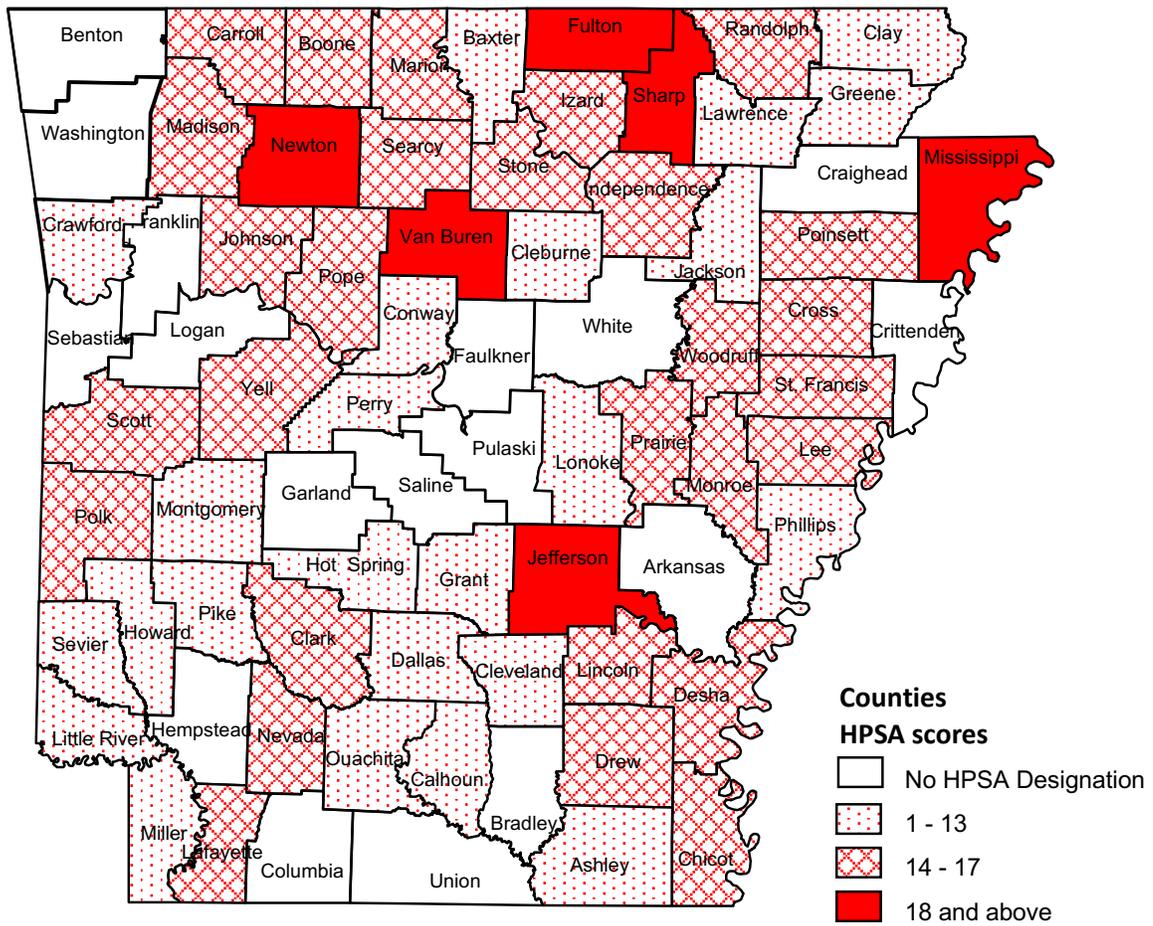
IMU can range from 0 to 100, where zero represents the completely underserved. Areas with IMUs of 62.0 or less qualify for designation as an MUA.

Arkansas Medically Underserved Areas (MUA)



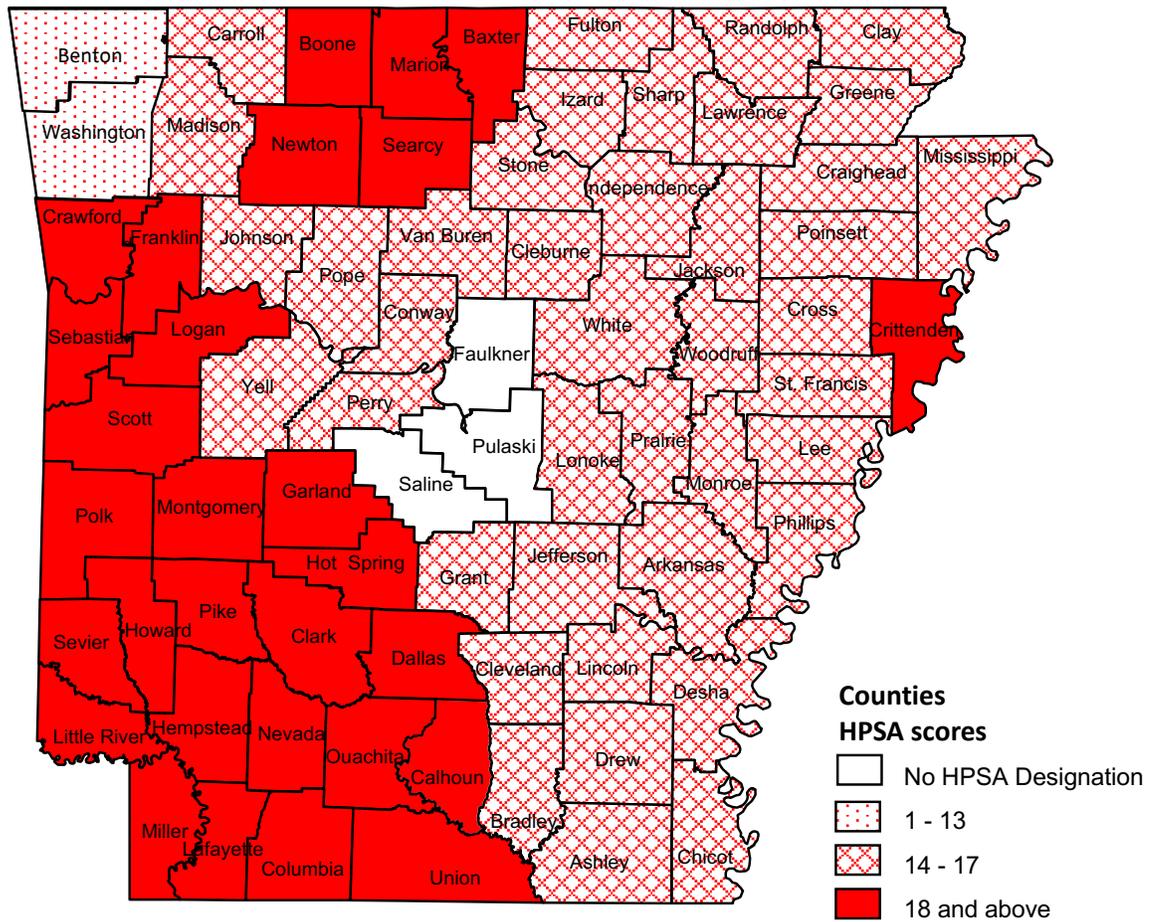
Source: Arkansas Department of Health, Office of Rural Health and Primary Care, 2018

ARKANSAS Dental Health Professional Shortage Areas (HPSA)



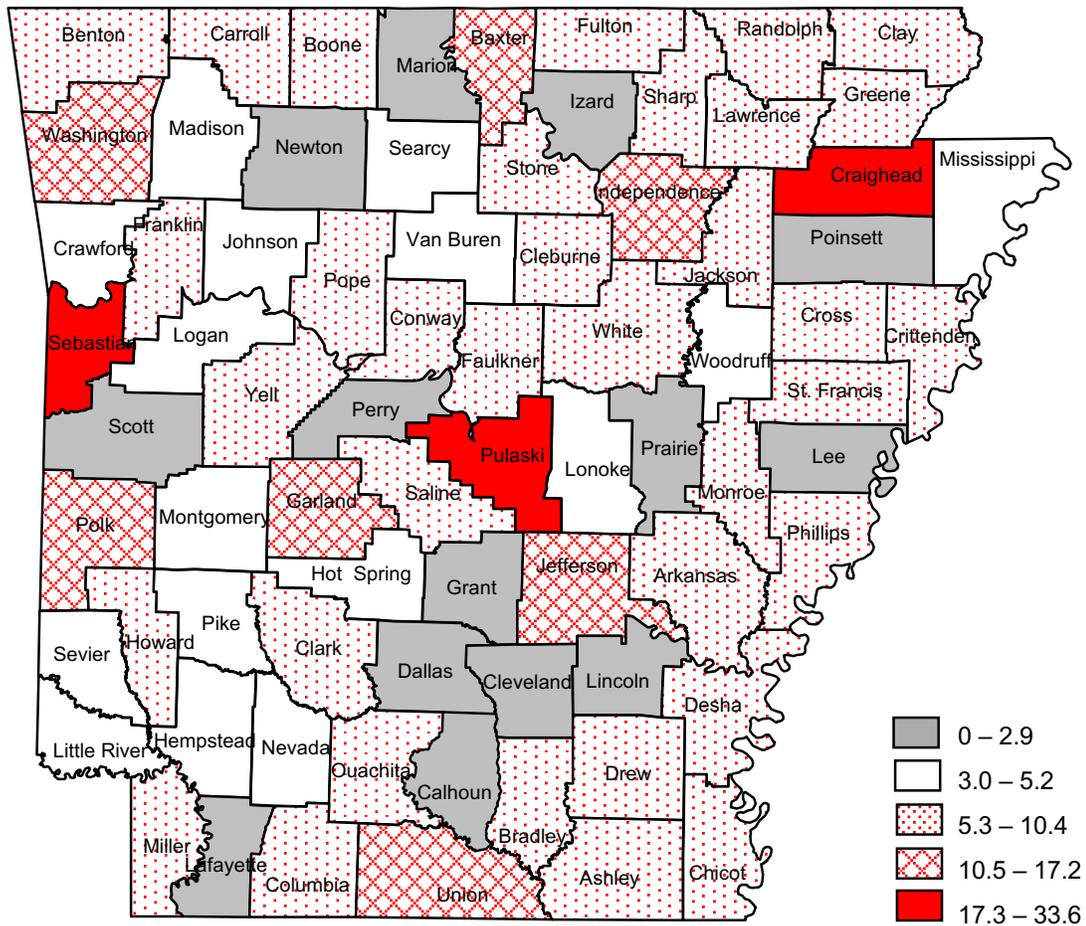
Source: Arkansas Department of Health, Data accessed from Health Resources & Service Administration (HRSA) February 2019

ARKANSAS Mental Health Professional Shortage Areas (HPSA)



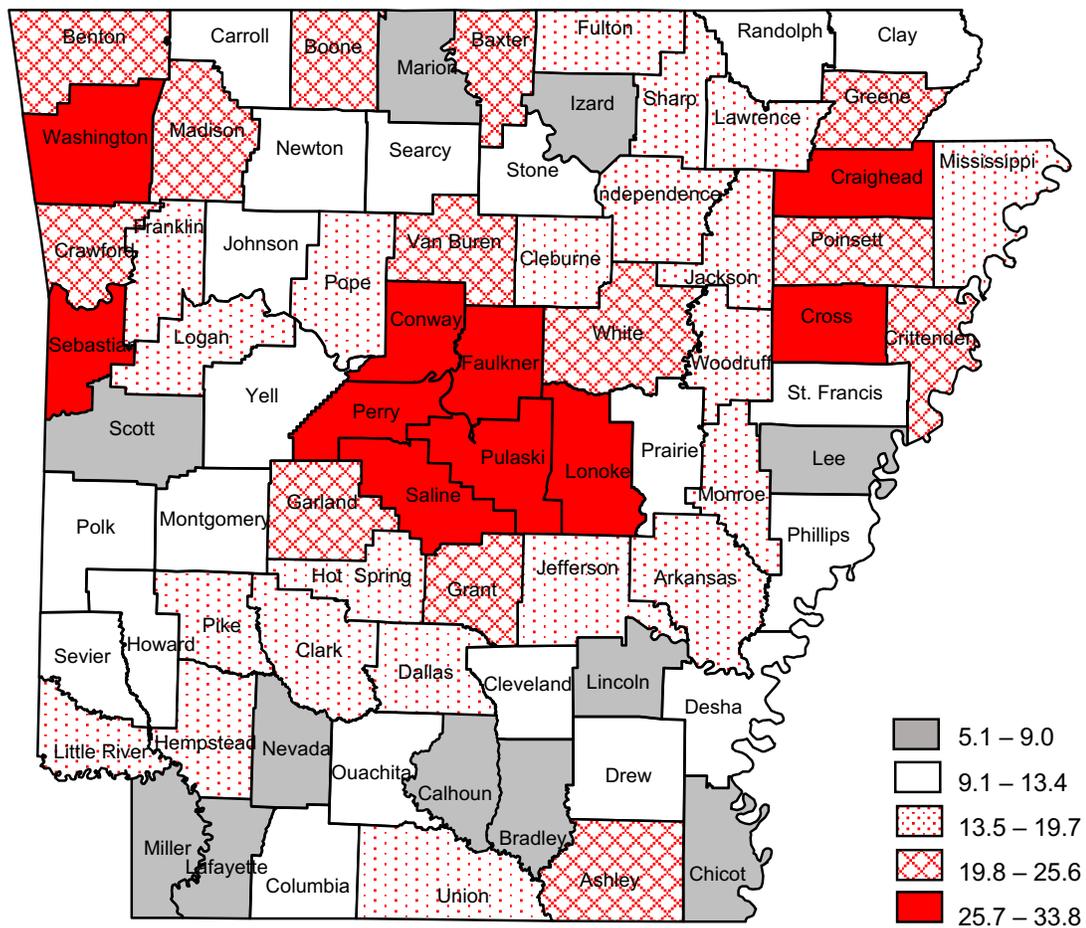
Source: Arkansas Department of Health, Data accessed from Health Resources & Service Administration (HRSA) February 2019

Primary Care Physicians by Counties Per 10,000 Population



Source: Arkansas Department of Health, Office of Health Statistics, 2017

Dental Health Providers by Counties Per 10,000 Population



Source: Arkansas Department of Health, Office of Health Statistics, 2017

Health Professionals in Arkansas: 2017

COUNTY	HEALTH PROFESSIONALS IN ARKANSAS: 2017																									
	DENTAL				PHYSICIANS				NURSING																	
	CHIROPRACTOR	DENTAL ASSISTANT	DENTAL HYGIENIST	DENTIST	FAMILY PRACTICE	GENERAL	INTERNAL MEDICINE	OB/GYN	PRIMARY CARE	SECONDARY	OTHER HEALTH PROFESSIONALS	ADVANCED PRACTICE NURSES	LICENSED PRACTICE NURSES	REGISTERED NURSES												
STATE	1405	3912	1634	6951	664	1524	91	1396	328	627	3966	2808	4287	13505	34548	3384	51832	428	3747	3404	86	802	2953	2619	736	85779
ARKANSAS	2	5	11	14	30	2	11	0	2	2	15	2	15	80	167	12	261	2	26	12	0	2	8	9	6	392
ASHLEY	5	9	23	11	43	1	5	2	1	3	13	3	24	165	199	10	374	1	22	12	0	2	18	9	1	528
BAXTER	12	19	38	33	90	7	26	1	29	3	61	63	70	249	619	65	934	5	50	72	2	4	33	27	17	1447
BENTON	80	128	371	161	660	41	113	2	93	23	40	141	290	565	2183	234	2992	39	273	310	7	39	155	198	69	5565
BOONE	12	21	50	13	84	4	23	0	9	3	4	32	28	163	377	36	578	5	30	41	0	5	19	22	11	910
BRADLEY	0	3	1	2	6	0	7	0	0	1	0	0	7	108	109	8	225	1	6	5	0	1	5	9	2	275
CALHOUN	0	1	3	0	4	1	1	0	0	0	1	0	11	43	27	4	74	0	3	7	0	0	0	5	0	106
CARROLL	1	6	19	7	32	1	16	0	2	1	0	10	14	57	176	20	254	4	17	10	0	3	19	8	15	407
CHICOT	0	3	2	1	6	0	4	0	2	1	1	3	10	50	91	7	149	2	15	6	0	0	8	4	1	212
CLARK	0	10	13	10	33	8	4	1	4	2	4	3	24	104	199	24	329	4	33	10	0	3	7	15	6	490
CLAY	1	5	10	3	18	0	7	0	2	1	0	1	21	103	125	8	236	4	16	10	0	0	13	12	2	344
CLEBURNE	12	11	28	7	46	4	13	2	2	0	1	7	25	117	258	23	399	4	31	21	0	0	14	11	5	597
CLEVELAND	0	0	4	7	11	1	1	0	0	0	0	4	16	56	134	15	205	0	9	5	0	0	0	4	0	256
COLUMBIA	2	10	7	7	24	4	12	2	3	2	1	0	33	109	239	22	372	3	22	35	0	3	13	7	5	543
CONWAY	2	3	38	16	57	6	13	0	2	1	0	3	27	114	184	23	323	2	23	25	0	4	9	22	4	523
CRAIGHEAD	20	74	172	88	334	22	93	7	92	27	23	149	226	575	1428	242	2277	32	196	273	8	39	229	193	21	4261
CRAWFORD	7	17	91	47	155	5	19	2	2	0	2	8	75	330	567	36	935	4	66	59	0	6	21	41	8	1415
CRITTENDEN	4	28	62	18	108	2	5	1	21	1	4	14	57	185	517	45	750	6	34	28	3	7	25	27	5	1102
CROSS	2	9	18	21	48	4	7	2	0	0	1	2	23	94	241	20	356	3	21	30	0	4	12	20	2	537
DALLAS	0	2	6	3	11	0	2	0	0	0	0	0	13	55	51	3	109	0	4	4	0	1	3	0	1	147
DESHA	0	4	7	4	15	0	5	2	2	0	0	1	10	74	100	6	180	1	13	6	0	1	6	4	4	250

HEALTH PROFESSIONALS IN ARKANSAS: 2017

COUNTY	DENTAL				PHYSICIANS				NURSING				SPECIALTY	TOTAL															
	CHIROPODENT	DENTAL HYGIENIST	DENTIST	DENTIST	GENERAL	INTERNAL MEDICINE	OB/GYN	PEDIATRIC	PRIMARY CARE	SECONDARY	ADVANCED	OTHER			LICENSED	REGISTERED	ADVANCED												
MILLER	2	17	15	8	40	3	22	2	2	0	5	2	3	21	8	33	253	520	28	801	3	34	17	0	5	14	4	1009	
MISSISSIPPI	3	12	48	4	64	2	11	0	5	2	3	2	3	21	8	9	179	313	27	520	6	29	15	1	4	15	17	4	718
MONROE	0	1	9	2	12	1	2	1	0	0	2	5	5	5	1	3	20	60	6	87	0	7	1	0	0	3	2	0	122
MONTGOMERY	1	2	7	1	10	3	1	0	0	1	2	4	2	4	2	5	52	97	2	151	1	6	5	0	1	3	1	2	195
NEVADA	0	1	5	1	7	1	2	1	0	0	0	3	0	3	0	11	66	81	5	152	1	5	5	0	0	3	1	0	189
NEWTON	2	0	8	1	9	0	1	0	0	0	0	1	0	1	0	3	30	59	1	90	0	3	5	0	0	2	4	1	120
OUACHITA	3	9	9	5	23	2	14	0	3	2	0	19	6	19	6	186	198	10	395	5	24	18	1	0	6	6	1	533	
PERRY	2	0	20	9	29	3	1	1	0	0	0	2	0	2	0	74	129	7	212	0	4	6	0	1	8	4	1	281	
PHILLIPS	3	3	13	5	21	2	9	0	1	2	3	15	3	15	3	53	176	10	240	4	14	7	0	2	14	9	2	345	
PIKE	1	2	9	4	15	1	4	1	0	0	0	5	0	5	0	10	73	115	10	198	2	15	6	0	0	2	5	1	261
POINSETT	1	3	40	12	55	0	2	1	1	0	1	5	1	5	1	15	134	184	16	338	1	12	24	0	2	12	17	2	485
POLK	2	7	11	4	22	1	13	2	3	3	3	24	7	24	7	145	161	14	320	4	16	18	0	4	10	6	7	458	
POPE	6	27	58	24	109	7	30	1	17	9	10	67	34	67	34	223	568	66	866	11	60	78	2	15	33	37	14	1412	
PRAIRIE	0	0	7	2	9	0	0	0	0	0	0	0	0	0	0	2	38	73	3	115	0	11	4	0	3	2	1	148	
PULASKI	58	328	556	239	1123	207	276	19	570	111	349	1325	1334	1325	819	1229	5785	680	7841	65	916	503	20	295	923	548	126	16103	
RANDOLPH	2	8	6	8	22	4	9	0	1	0	1	11	3	11	3	42	124	227	25	380	2	18	26	1	1	20	19	5	556
SALINE	14	41	268	95	404	36	32	1	23	7	15	78	27	78	250	517	2380	230	3170	23	201	143	4	27	149	143	17	4686	
SCOTT	0	2	4	2	8	0	2	0	0	0	0	2	0	2	0	3	59	75	4	138	1	5	5	0	0	1	0	2	165
SEARCY	0	1	4	4	9	0	3	1	0	0	0	4	1	4	1	8	51	86	7	144	0	8	5	0	0	0	3	2	184
SEBASTIAN	20	82	206	96	384	28	109	0	128	17	26	280	196	280	158	466	1349	105	1926	25	139	143	9	30	73	95	37	3543	
SEVIER	0	4	8	6	18	0	5	1	1	0	2	9	0	9	14	120	133	9	262	0	11	11	0	1	3	6	1	336	
SHARP	4	7	17	8	32	1	6	1	4	0	0	11	0	11	15	181	226	13	422	3	17	25	0	1	11	5	4	551	
ST FRANCIS	0	8	19	7	34	0	7	2	4	2	2	17	4	17	14	86	180	17	283	2	11	11	0	3	8	3	2	392	
STONE	3	3	8	1	12	1	11	0	0	0	0	11	3	11	15	89	147	12	248	1	8	6	0	1	8	8	2	327	

APPENDIX III
Resources



WEBSITES

Arkansas Department of Education (ADE) Data Center

<https://adedata.arkansas.gov/statewide/Default.aspx>

The ADE Data Center is a collection of data systems, data tools and informational reports for educators, policy makers, teachers, parents, school districts, and anyone interested in official data from the Arkansas Department of Education (ADE). This site is maintained by the ADE Office of Information Technology and most data is provided by Arkansas public school districts.

Arkansas Health Careers

<http://arkansashealthcareers.com/>

The Arkansas Health Careers website was created by UAMS Regional Programs in 2010 to provide a central resource for Arkansas students, parents, teachers and counselors seeking information on the many different health careers, educational and training options, and enrichment programs available across the state. Because this resource is not restricted to UAMS programs exclusively, we would welcome a neutral organization taking over the hosting and maintenance of this website domain, to serve as the central repository for all Rural Health Summit student information going forward.

Health Professionals Statistics

<https://www.healthy.arkansas.gov/programs-services/topics/health-professionals-statistics>

The Health Professions Manpower Assessment, maintained by the Health Statistics Branch of the Arkansas Department of Health, is the primary source of data on Arkansas's health care workforce. Data is collected on an annual basis from professional licensing boards (PLB). PLB's collect and provide our branch with information on their members including date of birth, address, and licensing specialties. This data is used to gather information on health profession shortages and medically underserved areas

Perkins Grants

Arkansas Department of Career Education

<https://arcareereducation.org/>

Contact: Maria Swicegood maria.swicegood@arkansas.gov

Perkins funds are federal funds used to support career and technical education (CTE). There are guidelines that must be followed regarding the use of funds, but each school district or education cooperative in Arkansas has a CTE Coordinator on staff trained on how to utilize these funds.

Rural Health Information Hub

<https://www.ruralhealthinfo.org/>

RHInfo is a wealth of knowledge for all types of rural data, demographics, health workforce, maps, charts, etc. It lists courses, training, funding opportunities, program models, and innovations.

COUNTIES - STUDENT ENROLLMENT BY GRADE SPAN (2017-2018)

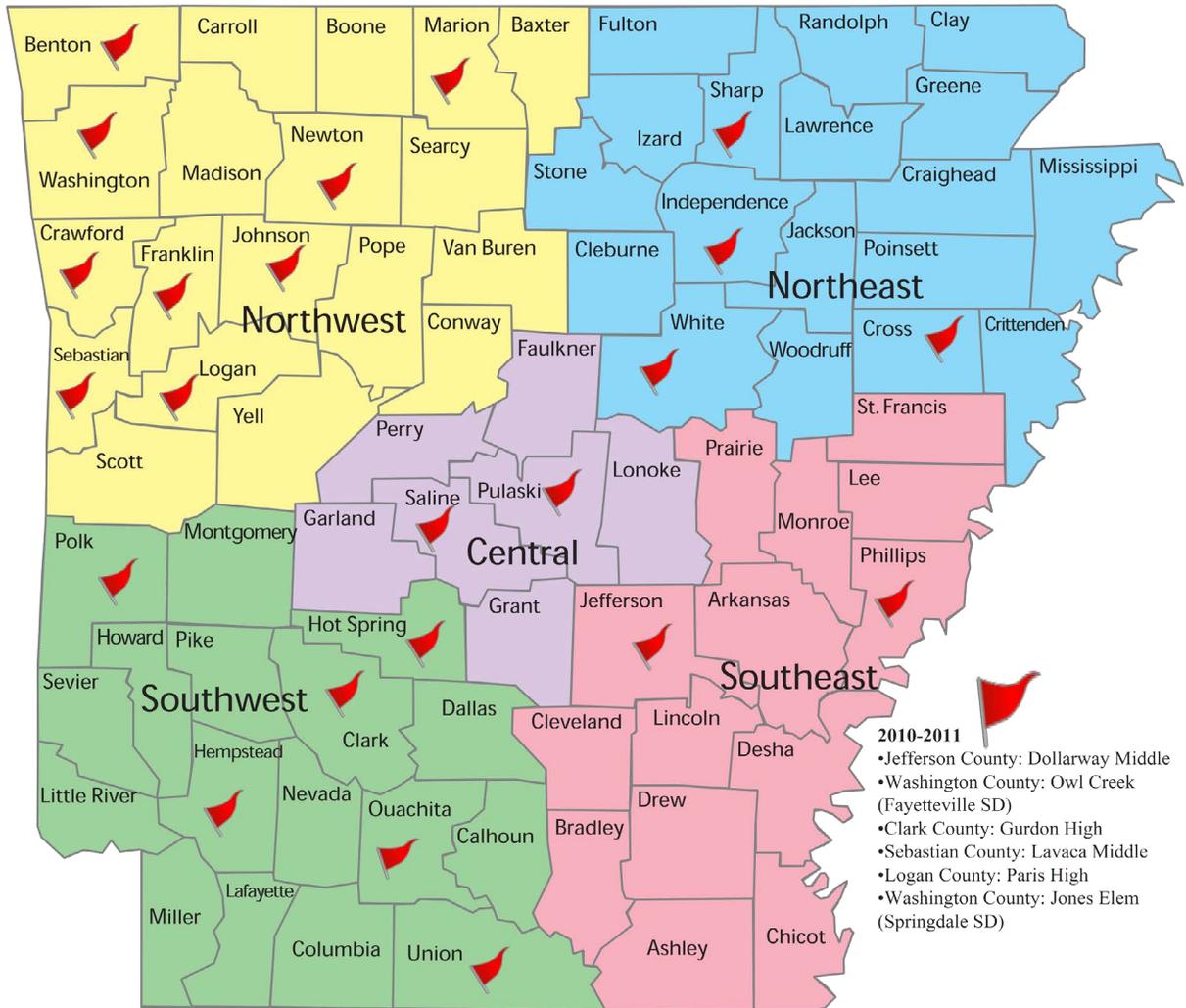
Location County ID	Location County Name	Grade K-05	Grade 06-08	Grade 09-12	GED	Ungraded	Total
01	ARKANSAS	1,343	622	831	0	8	2,804
02	ASHLEY	1,642	746	1,075	0	0	3,463
03	BAXTER	2,220	1,206	1,582	0	6	5,014
04	BENTON	21,324	10,337	13,660	0	11	45,332
05	BOONE	2,751	1,365	1,732	0	2	5,850
06	BRADLEY	966	494	599	0	0	2,059
07	CALHOUN	277	128	179	0	0	584
08	CARROLL	1,796	895	1,164	0	0	3,855
09	CHICOT	700	291	358	0	1	1,350
10	CLARK	1,192	581	713	0	1	2,487
11	CLAY	1,015	559	721	0	3	2,298
12	CLEBURNE	1,500	750	1,005	0	0	3,255
13	CLEVELAND	638	340	434	0	0	1,412
14	COLUMBIA	1,788	863	1,086	0	0	3,737
15	CONWAY	1,477	723	944	0	0	3,144
16	CRAIGHEAD	9,035	4,206	5,388	0	23	18,652
17	CRAWFORD	4,945	2,442	3,409	0	13	10,809
18	CRITTENDEN	4,701	2,184	2,950	0	2	9,837
19	CROSS	1,541	770	976	0	2	3,289
20	DALLAS	389	174	201	0	0	764
21	DESHA	1,146	548	727	0	0	2,421
22	DREW	1,396	649	912	0	0	2,957
23	FAULKNER	8,777	4,282	5,614	0	2	18,675
24	FRANKLIN	1,507	741	952	0	2	3,202
25	FULTON	733	413	495	0	0	1,641
26	GARLAND	7,088	3,441	4,398	0	14	14,941
27	GRANT	2,137	1,092	1,430	0	0	4,659
28	GREENE	3,461	1,768	2,242	0	17	7,488
29	HEMPSTEAD	1,635	737	955	0	5	3,332
30	HOT SPRING	2,442	1,227	1,539	0	0	5,208
31	HOWARD	1,427	652	827	0	0	2,906
32	INDEPENDENCE	2,912	1,459	1,858	0	2	6,231
33	IZARD	796	433	511	0	0	1,740
34	JACKSON	943	498	555	0	0	1,996
35	JEFFERSON	4,790	2,434	3,312	0	1	10,537
36	JOHNSON	2,154	1,054	1,375	0	0	4,583
37	LAFAYETTE	284	116	180	0	3	583
38	LAWRENCE	1,339	706	908	0	0	2,953
39	LEE	363	129	226	0	0	718
40	LINCOLN	711	354	472	0	0	1,537
41	LITTLE RIVER	877	429	610	0	0	1,916
42	LOGAN	1,497	682	1,005	0	0	3,184
43	LONOKE	6,236	3,152	4,208	0	1	13,597

COUNTIES - STUDENT ENROLLMENT BY GRADE SPAN (2017-2018)

Location County ID	Location County Name	Grade K-05	Grade 06-08	Grade 09-12	GED	Ungraded	Total
44	MADISON	1,025	527	705	0	1	2,258
45	MARION	749	349	482	0	0	1,580
46	MILLER	3,132	1,364	1,798	0	0	6,294
47	MISSISSIPPI	3,410	1,590	2,166	0	2	7,168
48	MONROE	496	199	259	0	0	954
49	MONTGOMERY	473	243	322	0	0	1,038
50	NEVADA	610	336	428	0	0	1,374
51	NEWTON	499	305	403	0	1	1,208
52	OUACHITA	1,906	873	1,157	0	1	3,937
53	PERRY	701	364	473	0	0	1,538
54	PHILLIPS	1,670	937	1,150	0	2	3,759
55	PIKE	937	462	601	0	0	2,000
56	POINSETT	1,889	905	1,199	0	8	4,001
57	POLK	1,608	802	1,057	0	0	3,467
58	POPE	4,634	2,268	3,016	0	15	9,933
59	PRAIRIE	516	261	354	0	0	1,131
60	PULASKI	28,498	12,961	16,450	0	19	57,928
61	RANDOLPH	1,187	571	744	0	0	2,502
62	ST FRANCIS	1,560	627	955	0	0	3,142
63	SALINE	8,160	3,984	5,241	0	2	17,387
64	SCOTT	683	346	416	0	0	1,445
65	SEARCY	651	333	453	0	0	1,437
66	SEBASTIAN	9,469	4,609	6,483	0	9	20,570
67	SEVIER	1,636	690	954	0	0	3,280
68	SHARP	1,259	654	893	0	4	2,810
69	STONE	743	397	477	0	0	1,617
70	UNION	3,390	1,622	2,153	0	75	7,240
71	VAN BUREN	980	521	688	0	1	2,190
72	WASHINGTON	19,377	9,612	12,365	0	18	41,372
73	WHITE	5,893	2,830	3,800	0	6	12,529
74	WOODRUFF	510	214	315	0	0	1,039
75	YELL	1,976	939	1,212	0	3	4,130

Arkansas Department of Education Data Center,
<https://adedata.arkansas.gov/statewide/ReportList/Counties/EnrollmentByGradeSpan.aspx>,
 accessed on January 23, 2019.

SCHOOL-BASED HEALTH CENTERS MAP 2010-2019



2011-2012

- Cross County: Cross County Elem
- Logan County: Magazine Elem
- Polk County: Acorn Elem (Ouachita River)

2012-2013

- Newton County: Jasper High
- Johnson County: Lamar
- Washington County: Prairie Grove

2013-2014

- Crawford County: Cedarville Elem
- Union County: El Dorado Elem
- Pulaski County: Stephens Elem (LRSD)
- Benton County: Siloam Springs Elem
- Washington County: George Elem (Springdale SD)

2014-2015

- Marin County: Yellville- Summit Elem
- Independence: Southside Elem (Batesville)
- Hot Springs County: Malvern Elem

2015-2016

- White County: Bradford Elem
- Saline County: Bryant Elementary
- Franklin County: Charleston Elem
- Union County: Smackover Elem

2017-2018

- Ouachita County: Camden Fairview
- Washington County: Elkins
- Phillips County: Marvell- Elaine

2018-2019

- Sharp County- Highland High
- Hempstead County- Hope High
- Washington County- Parson Hills Elem (Springdale SD)

Arkansas Department of Education,
http://www.arkansased.gov/public/userfiles/Learning_Services/School_Health_Services/2010_2019_SBHC_locations_UPDATE.pdf,
 accessed on February 5, 2019.

APPENDIX IV
Additional Information





Mobile Health Unit Frequently Asked Questions

What is the AMHC Mobile Health Unit (MHU)?

A Mobile Health Unit (MHU) is a screening clinic on wheels. This initiative would provide an avenue to double our preventive screenings by reaching people where they are within the state. The MHU will provide preventive screenings, health education and allow an opportunity of coordination of care with the MHU coordinator. The Mobile Health Unit coordinator will follow-up with patients that have abnormal results and share information on county level resources for follow-up medical care. The MHU would support a partnership with Arkansas Foodbanks statewide.

Why is the MHU needed?

The MHU will provide an opportunity to increase AMHC reach to all 75 Arkansas counties.

How will the MHU be staffed?

The AMHC will employ a coordinator to staff and schedule the unit. The coordinator will provide follow up calls to connect Arkansans screened with services at the county level. The AMHC will contract with a nurse to provide preventive screenings and health education.

What screenings are offered?

Screenings will include: Blood pressure, Cholesterol, Glucose, A1C, HIV, Prostate, height, weight and BMI.

Will the MHU have a referral system?

The MHU coordinator will utilize the UAMS Fay W. Boozman College of Public Health Public Health in Arkansas' Communities Search to provide county level health resources including doctors, dentists, hospitals and preventive care services to community members screened. <http://uams.edu/phacs/>

What happens if there is an emergency?

In case of an emergency, the AMHC will utilize 9-1-1 and local emergency medical services (EMS). In preparation of traveling to each location, the AMHC coordinator will call the local EMS to make them aware of the date and times the MHU will be in their area to provide screenings, and that EMS will be called if/when medical emergency situations occur. This protocol was established as a recommendation from the Director of the Arkansas Department of Health.



Will screenings be the only services offered?

The Mobile Health Unit coordinator and nurse will provide health education information and materials to each person screened. Care-coordination will be provided for all abnormal screenings, and follow up calls will be conducted at 3, 6 and 12 months.

What are the targeted populations and areas?

The AMHC targeted populations are minorities, however screenings are available to all populations. While the AMHC would like to focus on AR red counties, the goal is to reach all 75 counties. Red counties include counties where the life expectancy is up to 10 years less than other counties.

Why not primary care services?

The initiated act specifies the AMHC will increase awareness, provide screenings, develop interventions, and maintain a database. The MHU is another tool to ensure the Arkansas Minority Health Commission achieves its mission in accordance with the initiated act.

What about security?

Signage on the Mobile Health Unit will include messages on either side indicating only screenings are provided and no medication is on the unit. The MHU will be parked on the gated lot of the AR Foodbank for overnight security.

How will data be collected?

The AMHC has a SharePoint database that will be utilized during screening visits by the MHU nurse and coordinator to enter data (demographic and screening) for each person screened.

Will the MHU be on the road daily?

The MHU will alternate traveling 3 days/week (Monday, Wednesday, Friday & Tuesday, Thursday, Saturday).

Can partners make requests for MHU services?

Yes! The AMHC will allow partners to request the Mobile Health Unit via website (<https://www.arminorityhealth.com/>).



CampCardiac

Scholarship Opportunities

*****Applications Open in Mid-February*****

With locations nationwide, Camp Cardiac is a 1-week summer day camp open to all high school students (including Spring/Summer graduates) 15-18 years of age as of first day of assigned session and currently residing in the US. Although Camp Cardiac's primary focus is on care and maintenance of the heart, it provides an excellent starting point for careers in all fields of medicine. For more information, please visit CampCardiac.org.

Camp dates, deadlines, and applications details will be updated on CampCardiac.org in mid-February.



All of the following and more is included:

CPR Certification

Hands-on Workshops

Basic Knowledge Lectures

Introduction to Various Careers in Healthcare

Heart Dissection (pig)

Medical Student Forum

Daily Lunch

Healthy Living Exercise

Graduation Certificate



Summer 2017

With locations nationwide, Camp Neuro is a 1-week summer day camp open to all high school students (including Spring/Summer 2017 graduates) 15-18 years of age as of first day of assigned session. Although Camp Neuro's primary focus is on care and maintenance of the brain as well as psychology, it provides an excellent starting point for careers in all fields of medicine.

For more information, including locations, dates, deadlines, and applications details, please visit www.campneuro.org.

***** Scholarships Available *****



All of the following and more is included:

Hands-on Workshops
Basic Knowledge Lectures
Introduction to Various Careers in Healthcare
Brain Dissection (pig)
Medical Student Forum
Daily Healthy Lunch
Healthy Living Exercise
Graduation Certificate

Arkansas Career and Technical Education Programs



OCCUPATIONAL AREA	CLUSTER	PATHWAY	PROGRAM OF STUDY (POS)			
Agriculture Science and Technology	Agriculture, Food, and Natural Resources	Agribusiness Systems	Agribusiness Systems			
		Agricultural Power, Structural, and Technical Systems	Agricultural Power, Structural, and Technical Systems			
		Animal Systems	Animal Systems			
		Food Products and Processing	Food Products and Processing Systems Meat Processing Systems			
		Natural Resources/Environmental Service Systems	Natural Resources/Environmental Service Systems			
		Plant Systems	Plant Systems			
Business and Marketing Technology	Business Management and Administration	Administrative Services	Medical Office Administration Office Administration			
		General Management	Management			
		Finance	Accounting Banking Services Securities and Investments			
	Hospitality and Tourism	Travel and Tourism	Hospitality and Tourism			
	Information Technology	Web Design and Digital Communications	Social Media and Communications Web Design			
	Marketing Sales and Services	Marketing Management	Entrepreneurship			
		Marketing Research	Marketing			
	Transportation, Distribution and Logistics	Logistics Planning and Management Services	Supply Chain and Logistics			
	Family and Consumer Sciences	Education and Training	Teaching and Training	Education and Training		
		Hospitality and Tourism	Restaurant and Food and Beverage Services	Culinary Arts Food Production, Management, and Services		
Human Services				Consumer Services Early Childhood Development and Services Family and Community Services Personal Care Services		
Human Services		Family and Community Services	Advanced Nutrition and Dietetics FACS Education--Food and Nutrition FACS Education--Family Studies FACS Education--Entrepreneurial Design			
			Cosmetology			
			Science, Technology, Engineering, and Mathematics (STEM)	Architecture and Construction	Design and Pre-Construction	Architectural/CAD Engineering/CAD
				Health Science	Biotechnology Research and Development	Biomedical Science (PLTW)
Information Technology		Network Systems		Computer Engineering		
	Programming and Software Development	Mobile Application Development Programming				
STEM (Science, Technology, Engineering, and Mathematics)	Engineering and Technology	Pre-Engineering Pre-Engineering (PLTW) Unmanned Aerial Systems				



HARDING UNIVERSITY

★ *11th annual* ★

PHARMACY CAMP

script your own future!

June 16-21, 2019

Harding University College of Pharmacy, in partnership with Walgreens, will host the 11th annual Pharmacy Summer Camp June 16-21, 2019, on the University's campus. If you are a high school junior or senior interested in health care, come learn about serving others through the profession of pharmacy. Through classes, hands-on learning experiences and other activities, discover your potential as a future pharmacist.

harding.edu/pharmacycamp



Is being a pharmacist your calling?

During your week on campus, you will get a feel for what a career in pharmacy looks like, as well as what it's like to be a Harding student. You will live in residence halls, work in our state-of-the-art labs and facilities, meet other campers who share the same interests, and interact with College of Pharmacy faculty, staff and students.

When choosing a college or university, there are many factors to consider: academic rigor, faculty excellence, a degree that helps you reach your goals, and a feeling of belonging. We believe Pharmacy Camp will prove these to be true for you. **You belong at Harding!**

Apply in three easy steps:

1. Apply (with \$100 deposit) at harding.edu/pharmacycamp.
2. Submit a letter of recommendation from a high school counselor or teacher.
3. Send a copy of your high school transcript.

Check your mail for acceptance notification and more details.

Program Cost

The fee is \$350, which covers all activities, housing and meals.

Collaborate

- Meet undergraduate admission staff.
- Learn from College of Pharmacy faculty and students.
- Work with your pre-pharmacy advisor.

Experience

- Perform pharmaceutical compounding & research experiments.
- Practice blood pressure & glucose monitoring.
- Engage in health awareness projects.

Discover

- Learn about careers in all areas of pharmacy.
- Shadow practitioners in real-life pharmacy settings.
- Serve the community and abroad through mission opportunities.

script your own future!

APPLY NOW AT HARDING.EDU/PHARMACYCAMP

Health Sciences Entrepreneurship Boot Camp



Applications are now open for the Health Sciences Entrepreneurship Boot Camp, a weeklong training program for undergraduate and graduate students that equips them with the skills and knowledge they need to start and fund their own health sciences ventures. In its third year, the camp has propelled dozens of college students into their post-graduate careers, and it recently won an Innovations in Research and Research Education Award from the Association of American Medical Colleges. The camp is a joint initiative of the Conductor, University of Arkansas for Medical Sciences (UAMS), BioVentures and Arkansas INBRE.

At the Camp, students from around the state convene on the University of Central Arkansas campus for one week to go through an intensive, hands-on training program in which they work in teams to develop and vet new venture ideas in the health sciences space. The students receive a crash course in new venture creation, patent filing, building an entrepreneurial team, funding a venture and more. The curriculum also offers leadership and recreational opportunities to the students. The students come in contact with nearly 70 mentors and experts throughout the course of the week.

The residential boot camp will be held May 19-24 at the University of Central Arkansas. The camp is all-expenses-paid for accepted students, and is funded through UAMS, BioVentures and the Conductor. Eligible students must have completed their sophomore year of college. Space permitting, there will spots available for immediate graduates and graduate students.

The application period begins on December 6, 2018, and candidates may apply at <https://goo.gl/forms/NrniFz3RTigTON5o2>. The early consideration deadline for the Camp is Friday, February 24, 2019. All other applications are due by Friday, March 24, 2019.

To learn more about the Health Sciences Entrepreneurship Boot Camp, visit the [webpage](#), [watch the 2018 Boot Camp video](#), and hear the student testimonies from the 2017 Camp [here](#).

About the Conductor

The [Conductor](#), a public-private partnership with the University of Central Arkansas and Startup Junkie Consulting, drives innovation, entrepreneurship and economic development in central Arkansas through high-impact programming, one-on-one consulting, commercialization support, talent development and collaboration.

A stylized EKG (heart rate) line graphic in light blue, positioned behind the text.

HEALTH SCIENCES ENTREPRENEURSHIP BOOT CAMP

PRESENTED BY



HOSA ARKANSAS

National Website: www.hosa.org

How many schools in AR participate? 60 total in school programs

- Mix of Skills USA and HOSA.
- Don't have to have a med pro program to participate in HOSA.
- Enrolled in health CTE classes or interested in pursuing a health career field.
- Annual State and National competitions.

Are their individual programs or just 1 overall state HOSA?

- 1 state HOSA program through the Dept. of Career Orientation.
- Individual chapters through school's/med pro programs/etc.

How do students enroll in HOSA?

- Med Pro program has to have a HOSA or Skills USA component.
- HOSA has 30 contest, and Skills USA has 4.

What requirements do they have to meet to be in HOSA?

- Students have to be enrolled in Health CTE classes or have an interest in pursuing a health career field.

What commitment does it involve on the student's part?

- Work toward their competition if they compete.
- Officers of the organization require more time commitment than participants.

Do you have a framework of how this is implemented in the schools?

- Yes, example provided.
- This program is all tied in through Med Pro programs and covers more than medical components. Leadership and Community are also big pieces.

What routes do you use to get into the school systems?

- Provide funding opportunities to start the program.
- You can start a program without receiving the grant funding.
- Variety of ways the schools get interested, local business, contacts, etc.

How is it funded? Only state level or are there any local level funding sources?

- State and Federal funding available.
- Breakdown of startup cost provided.
- Application process.
- Approximately \$2M available.
- 15-20 grants available each cycle.

What are the benefits to the program?

- Pulls community and education together.
- Can create a program to supply needed workforce.
- Must have an advisory council, which consist of a mix of education and local community, medical professionals, that will offer their time, talents, and opportunities to the program.

What age range are the students allowed to join? Is it promoted in the lower grades?

- Ability to join in High School.
- Discussed as possible education path in Middle School, where strong programs are established.

Goals of Dept. of Career Orientation, HOSA, and Skills USA

- Provide students with sustainable career options that are local.
- Help break cycles of poverty.

Areas of Need

- Pushing this program and the opportunities out to the local level.
- Funding, in order to be able to provide more grants to start local programs.
- Directors priority: Make this program available in every school in the state.

Other notes:

- Currently have about 2,000 members and usually have about 700 attend annual conference in Hot Springs.
- Coding/Billing is an option for the education path, this includes business office management duties.
- 2 Prerequisites
 - A&P
 - Foundations of Healthcare- course focus is all health professions overview, licensure requirements, hygiene, conduct, etc.

HHS Academy Pathways

Health and Human Services Academy

Pathways

- *Health and Medicine*
- *Environmental Science*
- *Human Services*
- *Hospitality and Food Science*
- *Agriculture—Animal Science*



HHS interns participating in flu clinic at Arkansas State University, Mountain Home

HHS Academy Special Events

- Academy Kick-Off Day
- Academy Celebration Day
- Health Career Luncheon
- CSI Integration
- Blood Drive
- Flu Clinic



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Brigitte Shipman, Academy Coordinator
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Alecia Czanstkowski, HHS Academy Leader
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HHS Academy

Mountain Home High School Career Academies
Health and Human Services Academy



500 Bomber Boulevard
Mountain Home, AR 72653
870-425-1215

Health and Human Services Academy

Health and Human Services Academy

Programs of Study

- Animal Systems — Agricultural Science/
Animal Science
- Early Childhood Development and Services
- Education and Training
- Family and Community Services
- National Security—NIJOTC
- Therapeutic Services—Medical Professions
- Education



Concurrent Credit Anatomy Class

Concurrent Credit

Arkansas State University
Mountain Home

- College English I and II
- AP English
- Anatomy and Physiology I and II
- Articulated Credit for Medical Terminology
- German II and III

Mission Statement

HHS Academy exists to serve the students interested in the fields of health and human services. Through attention to the intellectual, physical, emotional and social needs of our students, HHS Academy provides challenges and opportunity which allow the individual to achieve his or her goals.



HHS Academy Representatives

School and Community

- Mentoring Program
- Internships
- HHS Community Connections:
 - Baxter Regional Medical Center
 - States Attorney's Office
 - MH Police Department
 - Arkansas State Attorney's Office
 - Veterinary Clinics
 - Vision Clinics
 - Pharmacies
 - Law Offices
 - Physical Therapy
 - Schools
 - Pre-schools
 - Day Care
 - Elementary
 - Game and Fish



Blood Drive
Donors



Medical Professions

Northeast Arkansas Career and Technical Center » Programs & Certifications » Medical Professions



What's up doc?

The Medical Professions course in the Health Science Technology program at the Career & Tech Center is a health career program of study in a project based learning environment. Medical Professions is generally regarded as an introductory course for the Medical Procedures - CNA course of study, recommended for students in their second year of study in Health Science.

The entire Health Science Technology program was renovated and expanded with new classrooms, a new medical lab housed in the medical commons area complete with new medical lab equipment and supplies.

Health Science Technology introduces students to health care careers through guest speakers who work in jobs as nurses, EMT's, paramedics, dental assistants, radiologists, home health aides, and both marketing and human resource managers in the medical industry.

Students are encouraged to continue their education and training in post secondary colleges. Students are encouraged to take this course in their sophomore or junior years and continue the following school year with our Medical Procedures Health Science Technology course, which offers CNA (Certified Nursing Assistant) certification once the CNA test is completed. Once the two-year course path is completed, students are poised to enter the medical job market with adequate training and job skills for immediate employment in healthcare.

Certifications offered: CPR, AED, First Aid (American Heart Association).



STAR

go.uams.edu/star

STAR (School Telemedicine in Arkansas)

- First ever effort to bring telemedicine care to Arkansas' rural School Based Health Centers through a grant partnership between ADE & UAMS Center for Distance Health

STAR PROGRAMS

- Behavioral Health
- HealthyNOW
- Oral Health

STAR BENEFITS

- Increase student wellness
- Enhance access to specialty care
- Decrease travel time & transportation
- Decrease student absenteeism
- Increase student & family/caregiver engagement
- Provide individualized one-on-one care
- Expand knowledge to improve & maintain a healthy lifestyle
- **Real time on-the-spot care**

UAMS | Center for Distance Health





STAR ONLINE

go.uams.edu/star

HealthyNOW!

Quick 10 minute physical activity videos to get kids moving, relieve stress, and have fun!

- No Equipment? No problem!
- Mindful exercise for a busy day
- Field Day Activities with a Buddy
- Dance-Inspired Rhythmic Workout
- 12x12 workouts

Learning Modules

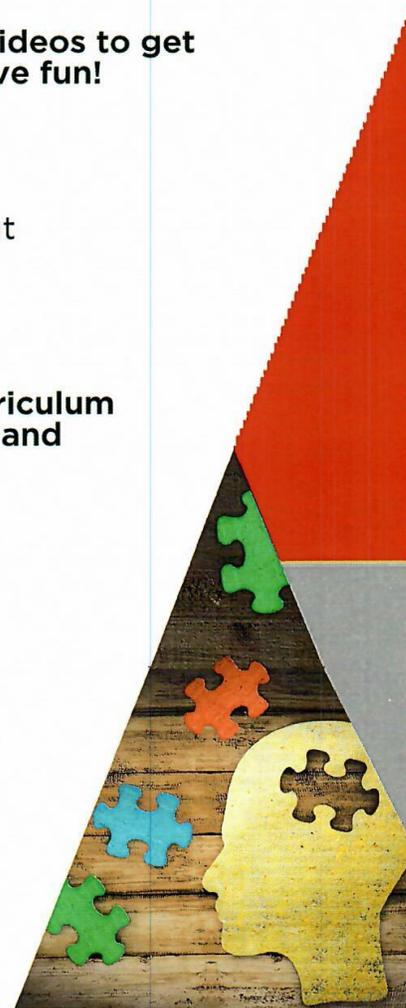
Modules developed according to state curriculum frameworks to educate on common issues and increase emotional and mental well being.

- Bullying
- Stress Factor
- I Value Myself
- Healthy Relationships
- Suicide and Depression
- Fitness 101

UAMS

Center for Distance Health

For more information on how to use these modules at school, contact **Tina Pilgreen (501) 526-7419** or kepilgreen@uams.edu





WINTHROP ROCKEFELLER INSTITUTE

UNIVERSITY OF ARKANSAS SYSTEM

ROCKEFELLERINSTITUTE.ORG