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#### Nicole Lawson, M.D. President 2024-2025

# LOOKING AHEAD:

#### **OUR VISION & PLANS FOR 2025**

I hope this message finds you well and excited about the opportunities that lie ahead. This year, the Arkansas Academy of Family Physicians (ARAFP) has a packed and exciting calendar, and I look forward to engaging with many of you throughout our events and initiatives.

One of our first major events of the year is the annual **HOSA** convention in Hot Springs on February 24th. HOSA, a student-led organization in high schools, actively promotes career opportunities in healthcare. The ARAFP is always thrilled to participate, as it allows us to connect with students and teachers, share our passion for family medicine, and build mentoring relationships that help shape the next generation of healthcare professionals.

We will host the second annual **Transition-to-Practice Residency Retreat** in Hot Springs. This retreat, held on the first weekend of May, is an invaluable opportunity for residents to connect with their peers, practicing physicians, and experts on essential non-clinical topics such as malpractice, financial planning, and contract negotiations. In addition to these informative workshops, we will enjoy the best of Hot Springs, including Oaklawn Racing, a local food truck dining experience, and a boat ride with Dr. Taggart.

Looking ahead to August, we are eagerly anticipating this year's **Scientific Assembly program.** The 2025 Scientific Assembly will be held August 13-16 at the Wyndham Hotel in North Little Rock. This event has always felt like a "homecoming" or "family reunion" for family medicine physicians, and we look forward to reconnecting and learning together.

This past fall, ARAFP was well-represented at the Congress of Delegates (COD) annual meeting in Phoenix, Arizona. The COD serves as the policy-making body of the AAFP, bringing together delegates from each constituent chapter. Drs. Tasha Starks and Daniel Knight represented us as delegates, while I had the privilege of attending as an alternate delegate. Additionally, Dr. John Mitchell served as our resident representative, ensuring our voices were heard on critical policy matters.

Recently, Mary Beth and I had the pleasure of meeting with representatives from the **Alice Walton School of Medicine** to discuss the formation of a Family Medicine

Interest Group (FMIG). Our conversation centered on opportunities for mentorship, community engagement, and educational events, including a potential program later this fall. We are excited about the possibilities this collaboration could bring to aspiring family physicians.

#### **Advocacy and Legislative Priorities**

As we prepare for the **2025 Legislative Assembly**, I want to emphasize the importance of advocacy—a key theme from my acceptance speech. Building strong relationships with legislators and policymakers is crucial to shaping the future of healthcare. I encourage each of you to engage with your representatives. Whether it's a phone call, an email, serving as "Doctor for the Day" at the Capitol, or a face-to-face visit, your voice makes a difference. While we have an excellent lobbyist team, personal connections with decision-makers give us the power to enact meaningful change.

The ARAFP is committed to ensuring that critical issues impacting our patients and our profession are addressed during this legislative session.

We are excited to collaborate with **Senator Irvin** on a bill to strengthen primary care investment. This effort will further highlight the vital role of family medicine in improving patient outcomes, and we look forward to your support in these efforts. We are especially appreciative of our partners Aledade and Mullenix and Associates for their efforts in organizing this initiative and writing the bill. Watch for updates in your Membership Matters emails for critical updates and ways you can support this effort.

#### **Looking Ahead**

Michelle and Dr. Taggart continue their dedicated work on the **endowment** and the upcoming **Casino Night** at the Scientific Assembly. Be sure to watch for emails with details on these exciting initiatives and other Academy updates.

Let's make this year a pivotal one for our profession! I look forward to working together to advance family medicine and improve healthcare for our patients and future generations.

# HEARTfelt CARE for Your PATIENTS

**Arkansas Children's Heart Institute** provides specialized care to patients in pediatric cardiology and the adult congenital heart disease program. Our cardiology team was recognized again as one of seven specialties ranked in the 2024-2025 U.S. News and World Report Best Children's Hospitals list.

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# ARKANSAS MEDICAL FOUNDATION

Physician burnout remains a serious problem in the United States, and right here in the great state of Arkansas. The Arkansas Medical Foundation is here to assist and advocate for all healthcare professionals in the 75 counties of Arkansas. The AMF is designed to address the unique health concerns faced by healthcare professionals, ensuring they receive the <u>confidential support</u> they need while also safeguarding the health and safety of the patients they serve in Arkansas.

### SAVING LIVES SAVING CAREERS

\*\*Each year roughly 300-400 physicians die by suicide.

Depression is a major risk factor in physician suicide, other factors include bipolar disorder, alcohol and substance use disorder.

The Arkansas Medical
Foundation has partnered
with The American Foundation
for Suicide Prevention to
provide Arkansas physicians
an anonymous, confidential
questionnaire. The no cost,
voluntary, confidential
questionnaire is designed to
help you assess your current
state of mental health and
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# UAMS STUDY SHOWS SUCCESS IN DIABETES MANAGEMENT FOR MARSHALLESE FAMILIES

Participants in a University of Arkansas for Medical Sciences (UAMS) study to determine the effectiveness of culturally-adapted, family-based diabetes education and management programs for Marshallese families saw significant reductions in HbA1c and BMI (Body Mass Index) levels, according to researchers at the UAMS Institute for Community Health Innovation.

The study examined 185 individuals, including 99 diabetics and 86 family members. Building on research conducted with Marshallese community members in Arkansas, the study was implemented in church settings in Hawaii and Washington state, using trained, bilingual community health workers (CHWs) to administer the family-based Diabetes Self-Management Education and Support (DSMES) program. The program was implemented in partnership with Washington State University and the Hawaii Island Community Health Center.

According to previous studies, more than 90% of Marshallese adults reported regular church attendance.

"Our communities gather regularly at church, and we enjoy surrounding ourselves with other community members," said Sheldon Riklon, M.D., one of two U.S.-trained Marshallese doctors in the country and an associate professor at the institute. "We feel comfortable in that setting and are willing to participate as a group or a family there."

Participants received 10 hours of family-based DSMES education conducted in eight sessions over an eight-to-10-week period. The curriculum covered topics such as healthy eating, physical activity, glucose monitoring, medications, problem-solving, reducing risks, healthy coping and goal setting. The curriculum was also adapted to incorporate cultural norms for Marshallese families, such as adapted recipes and the use of "talk story" — the sharing of stories and experiences — as a way of sharing knowledge and engaging participants.

"Our culture is unique and valuable," Riklon said. "It's our identity. If we want to make a significant health impact among Marshallese communities, then cultural norms that are familiar to us are vital and should be incorporated."

Estimates show that between 20-40% of Marshallese individuals have Type 2 diabetes, compared with 11.6% in the United States and 10.5% worldwide. The institute has also provided outreach and diabetes management programs to Marshallese communities in Arkansas and will work

with pharmacies over the next several years to implement DSMES in rural communities across the state.

By the end of the study, diabetic participants saw a 0.69% decrease in their HbA1c levels According to the study, a reduction of HbA1c greater than 0.5% is considered "clinically significant."

"This study really shows us the value of CHW-delivered health education," said Pearl McElfish, Ph.D., division director at the institute. "It also shows us the importance of meeting communities where they are, such as church settings, with medical interventions that connect to their cultures."



# **RSV Immunization Update**

2024 - 2025 Respiratory Vaccine Season



#### **RSV Vaccines to Protect Older Adults**

#### **Available Vaccines:**



Abrysvo™ (Pfizer)



Arexvy™
(GSK)



mRESVIA™ (Moderna)

#### Recommendations

- Everyone ages 75 years and older may receive one dose of an RSV vaccine.
- Some people ages 60 to 74 years may be eligible to receive one dose of an RSV vaccine.

It is best to vaccinate in late summer or early fall. However, an RSV vaccine *may* be administered to eligible older adult patients at any time of year.

Only one dose per lifetime is currently recommended.

#### Older adults at highest risk include those who:

- Have a chronic medical condition, such as lung, heart, kidney, or liver disease
- Have a weakened immune system
- Live in a nursing home or other long-term care facility



### **RSV Immunizations to Protect Infants and Young Children**



Maternal Immunization

Abrysvo™
(Pfizer)



Abrysvo may be administered to pregnant patients who are 32 to 36 weeks pregnant, during the months of September through January.

As of February 1st, 2025, Abrysvo is no longer recommended to be administered to pregnant patients for this season. Infant Immunization







Beyfortus may be administered to infants during their first 8 months of life, when an infant is born or entering RSV season. Some children are eligible for a second immunization during their second RSV season.

Beyfortus should typically only be administered to infants and young children during the months of October through March.

#### **IMPORTANT:**

In most cases, only one of these immunizations is needed to protect the infant from severe RSV disease. Either the mother should receive Abrysvo (during pregnancy) or the infant should receive Beyfortus (after birth).

Please see CDC guidance for official recommendations regarding RSV immunizations.

https://www.cdc.gov/rsv/vaccines/index.html

### RESPIRATORY VACCINES UPDATE

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# ADVOCACY SPURS ACTION AT THE STATE CAPITOL



Austin Grinder



# ESTABLISHING THE PRIMARY CARE PAYMENT REFORM WORKING GROUP

Just as the well-being of our communities depends on family physicians, the Arkansas Academy of Family Physicians (ARAFP) recognizes that the sustainability of our medical field depends on policies enacted at the State Capitol. That's why the ARAFP is dedicated to highlighting family physicians' vital role in improving patient outcomes

and decreasing healthcare costs in Arkansas, including through commonsense legislation.

A case in point is a new bill sponsored by Senator Missy Irvin to establish the Primary Care Payment Reform Working Group. Chaired by an ARAFP designee, the group would help evaluate the state's current healthcare spending on primary care and other healthcare services to inform an investment target and needed improvements in the Arkansas Medicaid program and commercial market. If signed into law, the group would submit a report of its findings and recommendations to the Arkansas Legislative Council by April 1, 2026.

Want to help advance the Primary Care Investment Bill? You can support ARAFP's advocacy efforts and spur action at the State Capitol in two easy ways. First, reach out to your legislators. If you have a relationship with a representative or senator, please connect with them directly to discuss the bill's benefits-smarter, strategic, and more cost-effective spending for better patient outcomes. You can also visit the Arkansas House and Senate websites for members' contact information. Second, stay alert for calls to action. The ARAFP will include details on how to stay involved in its Membership Matters emails.

Mullenix & Associates is proud to represent the ARAFP. If you have questions about the Primary Care Payment Reform Working Group or other legislative matters, please don't hesitate to contact me at austin.grinder@lobbyarkansas.com.

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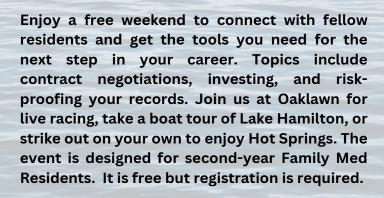


**Register Today!** 



# It's time to register for the **Transition-to-Practice** Retreat!











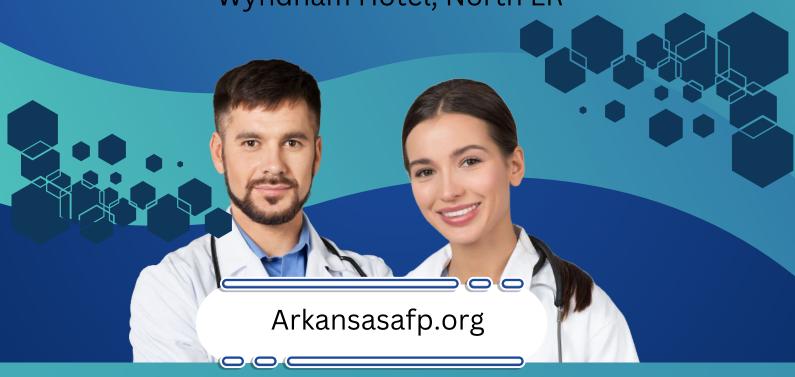




# SCIENTIFIC ASSEMBLY

August 13-16, 2025

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#### THE ARKANSAS CENTER FOR HEALTH IMPROVEMENT EXAMINES TRAVEL TIME TO DELIVERY FACILITIES FOR ARKANSAS MOTHERS

The median travel time for an Arkansas mother to reach a delivery facility in 2022 ranged from as little as two minutes to as much as 73 minutes, according to an analysis by the Arkansas Center for Health Improvement. ACHI also found that the portion of mothers experiencing extended travel times has grown since 2016, due in part to closures of labor and delivery services at some Arkansas hospitals.

Longer travel times to delivery facilities for mothers have been associated with higher risks of adverse maternal and neonatal outcomes.1 Long-distance travel for maternity care services also increases the likelihood that mothers will delay or forego essential prenatal or postpartum care.2

For its analysis, ACHI reviewed Arkansas Department of Health birth records and data from the Arkansas Healthcare Transparency Initiative's All-Payer Claims Database for birth events occurring from 2016 to 2022. Travel times were estimated using mothers' home ZIP codes and the addresses of delivery facilities. Key findings from this analysis include:

• The statewide median minutes traveled to delivery facilities in 2022 was 16 minutes.

- The percentages of mothers facing extended travel times for delivery services have increased, with 28% of mothers traveling 30 minutes or more in 2022, up from 26% in 2016, and 8% of mothers traveling 60 minutes or more in 2022, up from 7% in 2016.
- Following the closure of Helena Regional Medical Center's labor and delivery unit in 2020, the median minutes traveled to delivery facilities by Phillips County mothers increased eightfold, from six to 51 minutes.
- In Columbia County, following the closure of Magnolia Regional Medical Center's labor and delivery unit in 2021, the median travel time to delivery facilities for the county's mothers increased from 11 to 45 minutes.

Accessing safe delivery options is an important step along a healthy birthing journey for Arkansas mothers. More of ACHI's analyses regarding maternal and infant health in Arkansas are available online at achi.net/maternal-infant-health.

#### References

- Minion SC, Krans EE, Brooks MM, Mendez DD, Haggerty CL. Association of driving distance to maternity hospitals and maternal and perinatal outcomes. Obstet Gynecol. 2022;140(5):812-819. doi:10.1097/AOG.00000000000004960
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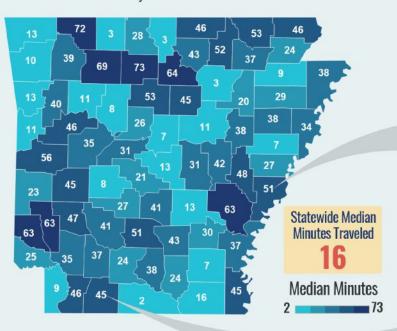
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## MEDIAN MINUTES TRAVELED BY ARKANSAS MOTHERS TO DELIVERY FACILITIES IN 2022, BY COUNTY OF RESIDENCE

Closures of labor and delivery services at Arkansas hospitals have led to longer travel times for mothers in some areas of the state. As of April 2024, 59% of rural hospitals did not provide labor and delivery services. 1 Increased travel times to delivery facilities have been associated with higher risks of adverse maternal and neonatal outcomes.<sup>2-4</sup> ACHI reviewed data on birth events from 2016 to 2022 to estimate travel times to delivery facilities.a



# Columbia

County

is 47 minutes away.

**Phillips** 

County

The median minutes traveled by Phillips County residents increased

eightfold from 2016 to 2022, the

highest increase in any county.

In 2016, Helena Regional Medical

Center delivered around 65% of

labor and delivery unit closed in

2020. The next closest birthing hospital for the majority of mothers

births in the county. The hospital's

**Median Minutes** 

**Median Minutes** 

- The median minutes traveled by Columbia County residents increased fourfold from 2016 to 2022, the third-highest increase in any county.
- In 2016, Magnolia Regional Medical Center delivered around 68% of births in the county. The hospital's labor and delivery unit closed in 2021. The next closest birthing hospital for the majority of mothers is 52 minutes away.

#### **Percentages of Arkansas Mothers Traveling** 30+ or 60+ Minutes to Delivery Facilities

	2016	2022
30 MINUTES OR MORE	<b>26%</b> 9,500 mothers	<b>28%</b> 9,401 mothers
60 MINUTES OR MORE	<b>7%</b> 2,690 mothers	<b>8%</b> 2,808 mothers

Publication date: June 2024

Data sources: Arkansas Department of Health birth records, Arkansas Healthcare Transparency Initiative's All-Payer Claims Database.



<sup>1-4</sup> For references; achi.net/library/travel-time-to-delivery | a Mothers' home ZIP codes and delivery facilities' addresses were used to estimate travel times to delivery facilities, including some out-of-state facilities.

#### POLITICS AND HEALTH CARE

#### PART I



Sam Taggart, M.D. Family Physician and Author

In this next series of articles, I will offer an overview on the history of healthcare and politics as it relates to the state of Arkansas.

We in healthcare are prone to think that we are the first to be beset by those who really don't understand the problems or what we do in healthcare. It is easy to get lost in the in-fighting that occurs on a regular basis over licensing, public health mandates, health care financing, regulations and



begin thinking that we are the first to ever be confronted with these kinds of problems.

For over twenty-five hundred years, forms of democracy have flirted around the edges with the rights and responsibilities of citizens and how to define those relationships. After the fall of Rome, most attempts at Democracy went dormmate. Historians tell us that beginning with the Italian Renaissance in the 14th century, what we know as Modern Western Democracy began to emerge. With the work of Lock, Hobbes and Rosseau, the concept of a social contract emerged in the 17th -18th century. The social contract is an agreement for mutual benefit between the individual or group and the government or community as a whole. This idea of a social contract argues typically that the individual surrenders some of their freedoms and submits to the authority of the governing body in exchange for protection of their remaining rights and maintenance of the social order. Politics, in its highest form in a western democracy, is the process of balancing the rights and responsibilities of all the members of a community.

In 1637, Rene Descartes, with his form of rationalism, formulated the scientific method which slowly triggered a scientific revolution. Health and disease were two areas that began to be slowly transformed. Resistance to change was strong and the information float-time (the amount of time it takes something to be discovered, validated, disseminated and incorporated) was in terms of centuries.

At the beginning of the 19th century when the place we call Arkansas became a part of the United States, there were very few people or physicians. For the first half of the 19th century,

the population grew rapidly from 4000 souls in 1804 to over 500,000 at the beginning of the Civil War. As the population grew, so did the population of individuals who called themselves doctors. A few of these doctors were university trained but most "read to" medicine and apprenticed to an older physician. As the century progressed, regional medical schools would give twoto-six months courses to help fill in the gaps for these young physicians.

The germ theory was formulated and generally accepted in academic circles during the second half of the 19th century, but it would be the early part of the 20th century before the germ theory was fully accepted in the everyday practice of medicine. In the process, this new philosophical approach to medicine replaced "heroic" medicine which primarily treated symptoms and created a seismic shift in the way health and disease was viewed and treated.

During the 19th and early 20th century, the medical profession was not highly respected except for THEIR doctor who was there in time of need. This physician was almost always a generalist, a family doctor.

The first attempt to regulate the practice of medicine in Arkansas was in 1832. Apparently prompted by the Universitytrained physicians in Little Rock, the territorial legislature passed a bill creating a board of eight physicians, appointed by the governor, to examine and license all persons practicing medicine and calling themselves medical doctors in the state of Arkansas. Governor John Pope, a populist and a devotee of Anderw Jackson, vetoed the bill, saying. "At this time, this law is premature and impolitic, unwise and against the spirit of freedom. Wiser and more congenial for the citizens, with the spirit of freedom to tolerate quack doctors, while the learned and qualified of the profession, are at liberty to combat them."

Several of the early Arkansas physicians were active in state and local politics. Among them were: Dr. Matthew Cunningham who served as Little Rock's first mayor. Dr. Lorenzo Gibson who represented Pulaski County in the State Legislature and Dr. Solon Borland of Crawford County who served as Senator from Arkansas in the early 1850s to the national legislature.

The American Medical Association was created in 1847 and in that same timeframe the first County Medical Society

continued on page 18

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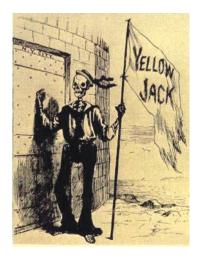
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#### continued from page 16

was formed in Arkansas. Dr. James A. Dibrell Sr. of Van Buren in Crawford County helped to create a short-lived medical society that faded within a couple of years. In the 1850s, another short-lived medical society was created in South Arkansas centered around Hempstead County and Old Washington. Like the organization in Crawford County, it was short-lived. In 1866, in the wake of the Civil War, the Little Rock/Pulaski County Medical Society was formed, and this group began to push for a statewide organization. In 1870, the Arkansas Medical Association was created. In 1875, after several years of in-fighting, it gave way to the Arkansas Medical Society. Slowly, local city/county medical societies became more common and began to play a role in the health and welfare of their communities.

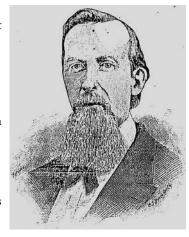
As with most human endeavors, crisis is the mother of invention. The year 1873 saw the Great Financial Panic followed by a 20 year-long economic depression. In addition, the 1870s saw a series of Yellow Fever epidemics, the worst in Arkansas were in 1878 and 1879. With no knowledge as to the cause or any potential treatment, the



only obvious remedy was quarantine. Local quarantines created and implemented by local physicians/local boards of health could only have a limited effectiveness because of steamboats that moved up and down the rivers and a rapidly developing train system. The newly formed State Medical Society lobbied the state legislature to create a state board of Health, and the request was ignored. Not to be denied, the Society created an Unofficial State Board of Health and lobbied the Governor to make it official. Eventually, the Governor joined forces with the Medical Society and made its Board of Health the official state board and in the next legislative session the organization was funded to the tune of \$3000 dollars for two years. In two years, the Yellow Fever crisis had passed, and the State Board of Health was allowed to die.

In the early 1880s, bolstered by their success with the temporary state board of health, the leaders of the State Society lobbied for and were successful in establishing a medical school associated with the University in Fayetteville and a State Insane Asylum.

Dr E. R. Duvall of Fort Smith was a vocal member of the state medical society and lobbied for a number of issues such as a statewide board of health, a state medical school and an insane asylum. In addition, he lobbied for laws that would govern abortion, make smallpox vaccination mandatory and other issues that would become part of the mandate for the Arkansas Department of



Health when it was formed in 1913. The medical school and the asylum quickly became a reality in the early 1880s, but he was unsuccessful in his lobbying efforts for public health measures. His lobbying helped raise awareness and set the stage for further changes.

Carrying on the tradition established in the first half of the century of Arkansas physicians engaged in politics, Dr. H.C. Dunavant of Osceola represented Mississippi County for several terms in the state legislature. In 1881, he authored a law that created the County Licensing Boards and the State Examining and Licensing Board. The county boards did the actual examining and licensing, and the State Board acted in an appellate capacity. As it happened, the law was quite flawed, and a second bill was passed during the next session of the legislature correcting those flaws, superseding the first statute.

The Progressive Era made its way to Arkansas at the beginning of the 20th century. Despite its weaknesses the licensing law from the 1880's held sway until 1903. At that point, forces within the medical society and the legislature helped to enact a number of acts pertaining to state certification, professional ethics and the beginnings of state-wide public health efforts.

The new laws of 1903 were the most exhaustive to that date. Several state boards were established to license—homeopathic physicians, osteopathic physicians, eclectic physicians and a board for physicians who were qualified to be members of the Arkansas Medical Society (university trained medical doctors).

In addition, the new laws undertook to outlaw traveling medicine shows and prevent doctor advertising.

The title of the licensing statutes would be changed in 1915 to expand the scope of the law. It originally included only Physicians and Surgeons and was changed to read THE HEALING ARTS which expanded its scope to include disciplines as far ranging as chiropractic medicine, optometry and dentistry.

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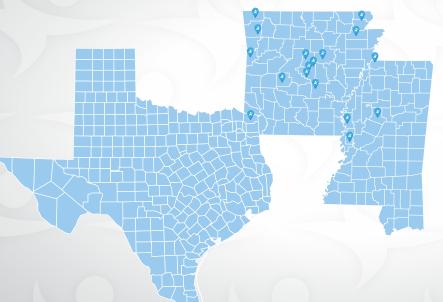
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#### **FOUNDATION NEWS**

#### FOUNDATION BOARD SEEKS TWO TRUSTEES

The Arkansas AFP Foundation is committed to supporting activities that encourage medical students to pursue family medicine, enhance educational preparation and training, and maintain the educational excellence of family physicians throughout their careers.

To help further these vital goals, the Foundation is seeking passionate family physicians to serve on its Board of Trustees. There are currently two open positions. Trustees are elected annually through a nomination process. Each trustee will serve a term of three (3) years, beginning at the annual scientific assembly and expiring at the conclusion of

the board meeting of the third annual scientific assembly. The Board meets in person for two meetings annually, one being during the scientific assembly with other business done virtually.

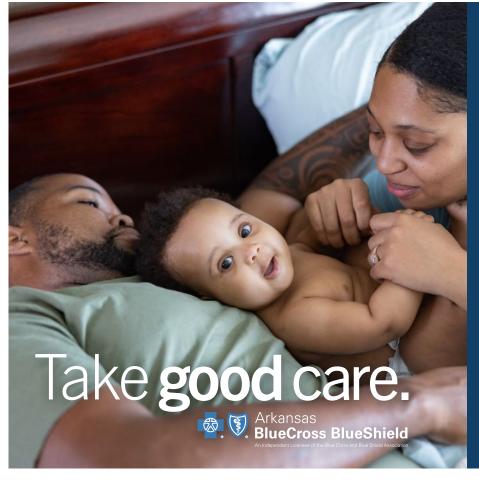
### Serving on the Foundation Board offers an exciting opportunity to:

- Shape the future of family medicine education by helping the Foundation provide scholarships, educational programs, and resources that support aspiring and practicing family physicians.
- Contribute to the growth of the family medicine community

through the development of initiatives that advance the profession and provide critical support to family medicine residents and students.

• Enhance your professional network by collaborating with a diverse group of passionate professionals who are committed to improving family medicine.

Physicians interested in serving as a Trustee and contributing to the Foundation's mission, please contact Michelle Hegwood at michelle@arkansasafp.org or 501-316-4011 for more information or to submit your nomination.



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The Arkansas Academy of Family Physicians Foundation is excited to highlight the invaluable contributions of Family Medicine mentors. These dedicated individuals shape the future of healthcare and deserve our recognition. The following individuals were honored with a donation to the Endowment project:

Dr. Jerry Muse, mentor and friend honored by Dr. Matthew Jackson

Dr. Sam Taggart honored by Dr. & Mrs. Mark Attwood

Dr. Jim Weber honored by Dr. Richard Hayes

Join us in celebrating remarkable mentors who inspire and shape the future of family medicine by donating in their honor to the endowment project online at arkansasafp.org/foundation.





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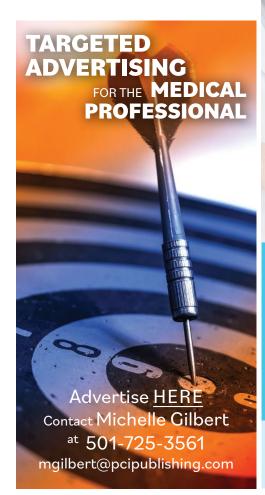
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## Collective Responsibility of Antimicrobial Stewardship

Each year, the Centers for Disease Control and Prevention (CDC) promotes U.S. Antibiotic Awareness Week, with the most recent theme being "Fighting Antimicrobial Resistance Takes All of Us."1 Effective antimicrobial stewardship requires healthcare professionals in all settings—those who prescribe, dispense, and administer antimicrobials—to use these medications responsibly. This approach helps limit the development of resistance. Patients and healthcare workers should also employ infection prevention practices to prevent the spread of infections and their associated resistance.

#### ANTIBIOTIC RESISTANCE AND UTILIZATION

In 2023, the number of hospitals meeting all of the CDC's Antimicrobial Stewardship Core Elements continued to increase nationally and in Arkansas (96% vs. 95%).2 Even with expanded efforts, the U.S. demonstrated a rise in hospital-onset-resistant organisms in 2022 compared with 2019. Increases in resistant organisms included carbapenem-resistant and extendedspectrum beta-lactamase (ESBL) producing organisms and resistant Staphylococcus aureus, Enterococcus, and Pseudomonas organisms.3

The Centers for Medicare and Medicaid's Promoting Interoperability Program reporting requirements have been updated to require submission of antibiotic usage and culture results to the CDC's National Healthcare Safety Network's (NHSN) Antimicrobial Use and Resistance (AUR) Module.<sup>2</sup> Hospitals without qualified exclusions will be required to report this data by 2026. Reporting to the NHSN AUR Module enables states and hospitals

to determine how they compare to national benchmark data through the Standardized Antimicrobial Administration Ratio (SAAR) and standardized hospital-onset pathogen and resistant infection ratios.2

A SAAR equal to 1 demonstrates that antimicrobial usage is equal to predicted usage. SAAR values greater than 1 demonstrate antimicrobial usage is greater than predicted, and SAAR values less than 1 demonstrate antimicrobial usage is less than predicted. In 2023, Arkansas' SAAR was 1.082 for adult antibiotic usage, but these results represented incomplete data, with 50.6% of eligible facilities reporting.<sup>2</sup> Since comprehensive state data is currently unavailable, hospitals should be working toward data submission or evaluating their own local SAAR data for improvements.

In U.S. clinics and emergency departments, 28% of antibiotic prescriptions have been determined unnecessary.<sup>4</sup> A 2017 study discovered that patients less than 65 years old were more likely to receive inappropriate antibiotic prescriptions for acute respiratory infections if they were from the southern U.S. compared with other regions of the country.5 Arkansas has the 6th highest number of outpatient antibiotic prescriptions in the country. In 2022, 1,020 prescriptions were dispensed per 1,000 population.<sup>2</sup>

#### OPPORTUNITIES FOR IMPROVEMENT

1. Assess allergies. Penicillin allergies are reported by 10% of patients, but less than 1% have a true IgEmediated allergy.<sup>6</sup> Clinical decision tools can determine the risk of a positive penicillin allergy test (e.g.,

5% if PEN-FAST\* score ≤ 2).  $^{7}$ When penicillins cannot be safely used, pharmacists can help evaluate when other beta-lactam antibiotics are options based on the patient's allergy history and cross-reactivity between specific antibiotics.6

#### \*PEN – Penicillin allergy

- F five years or less since reaction (2 points)
- A anaphylaxis or angioedema (2 points)
- **S** severe cutaneous adverse reaction (2 points)
- T treatment required for reaction (1 point) 7

#### 2. Choose evidence-based treatment. Urinary tract infection (UTI):

Empiric UTI treatment varies based on diagnosis of cystitis or pyelonephritis, local antibiogram susceptibilities, and previous patient-specific urinary cultures.8

- Urinary specimens should be correctly collected and stored until laboratory processing to ensure usable results, and they should typically only be collected from patients with signs and symptoms of UTI to avoid unnecessary treatment of asymptomatic pyuria or bacteriuria.8-9
- Elderly patients who have fallen or have delirium without genitourinary symptoms or signs of systemic infection should be further assessed for causes other than UTI.9
- Pyuria is associated with inflammation and should be evaluated for infectious and noninfectious etiology.
- All patients with chronic urinary catheters and up to 50% of longterm care patients will grow organism(s) from urine cultures even when a UTI is not present.9 Asymptomatic bacteriuria is

colonization that should only be treated in patients who are pregnant or undergoing invasive urologic procedures.8-9

Acute rhinosinusitis: Antibiotics are only warranted in 3 scenarios since 90-98% of sinusitis cases are due to viruses. The 1st-line antibiotic is amoxicillin-clavulanate. 10-11

- Severe:  $\geq$  3-4 days of  $\geq$  39°C fever + purulent nasal discharge or facial pain
- Persistent: ≥ 10 days without improvement
- Double sickening: ≥ 3-4 days of worsening after initial improvement following upper respiratory infection that lasted 5-6 days<sup>10-11</sup>

Acute bronchitis: Antibiotic treatment is not recommended for acute uncomplicated bronchitis, regardless of cough duration.<sup>10</sup>

Community-acquired pneumonia (CAP): Outpatient CAP treatment for patients without guidelinespecified co-morbidities includes amoxicillin or doxycycline; azithromycin is not an option if local antibiogram resistance with Streptococcus pneumoniae is 25% or higher. When specified co-morbidities are present, Streptococcus pneumoniae and atypical organisms are often treated with amoxicillin-clavulanate, cefuroxime, cefpodoxime plus azithromycin or doxycycline.12

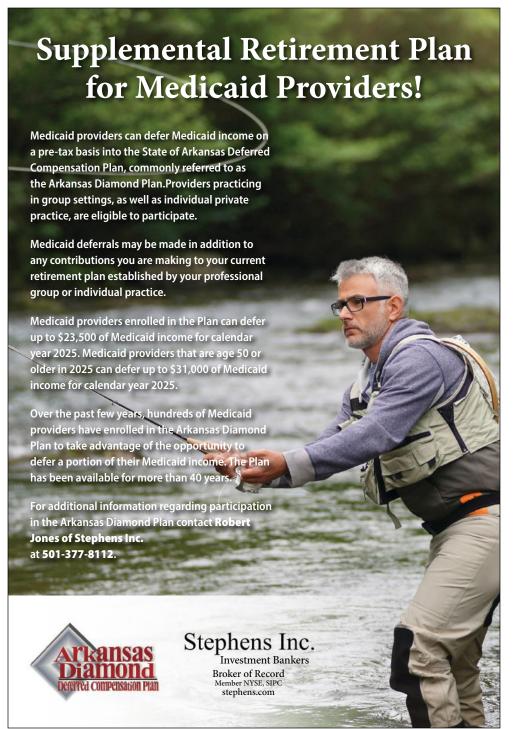
Standard inpatient CAP is frequently treated with either ceftriaxone or ampicillin-sulbactam plus azithromycin or doxycycline. Empiric treatment only includes Pseudomonas or methicillin-resistant Staphylococcus aureus (MRSA) in specific scenarios, such as patients with previous respiratory specimen(s) growing one of the aforementioned organisms within the last year (refer to guidelines for more information). 12

Respiratory fluoroquinolones are now typically reserved for CAP treatment when severe beta-lactam allergies are present due to their adverse event profile. Cefdinir is not recommended for CAP. 12

#### Skin and soft tissue infection

(SSTI): For non-severe, non-purulent SSTIs (e.g., cellulitis), beta-hemolytic Streptococcus will be the usual pathogen requiring a penicillin or cephalosporin antibiotic for treatment. Staphylococcus

continued on page 24



aureus will be the likely pathogen in purulent SSTIs (e.g., abscess), requiring empiric MRSA coverage until culture susceptibility results are known (e.g., doxycycline, TMP/SMX, vancomycin).13

- 3. Utilize the shortest effective duration of therapy to lessen the potential for resistance development and adverse effects (e.g., C. difficile, acute kidney injury).
- Cystitis: ≤ 5 days<sup>8</sup>
- (based on antibiotic)
- Sinusitis or CAP: 5 days<sup>10-12</sup>
- Cellulitis or cutaneous abscess: 5 days<sup>13</sup>

#### **TEAM EFFORT**

All healthcare professionals must work together to fight antimicrobial resistance in each of their practice settings.

- Avoid unnecessary antibiotics for viruses or bacterial colonization
- Avoid excessively broad-spectrum antibiotics that are not indicated

• Utilize appropriate antibiotic de-escalation and length of therapy

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#### **Healthy Skin for Every Arkansan**

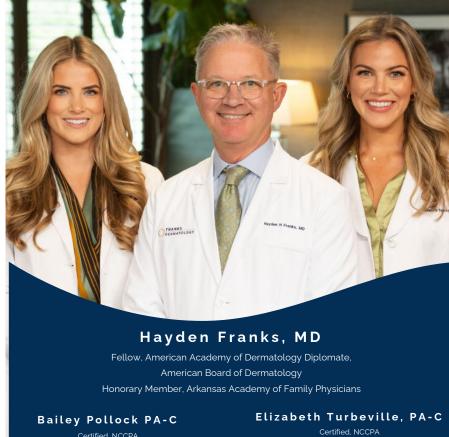
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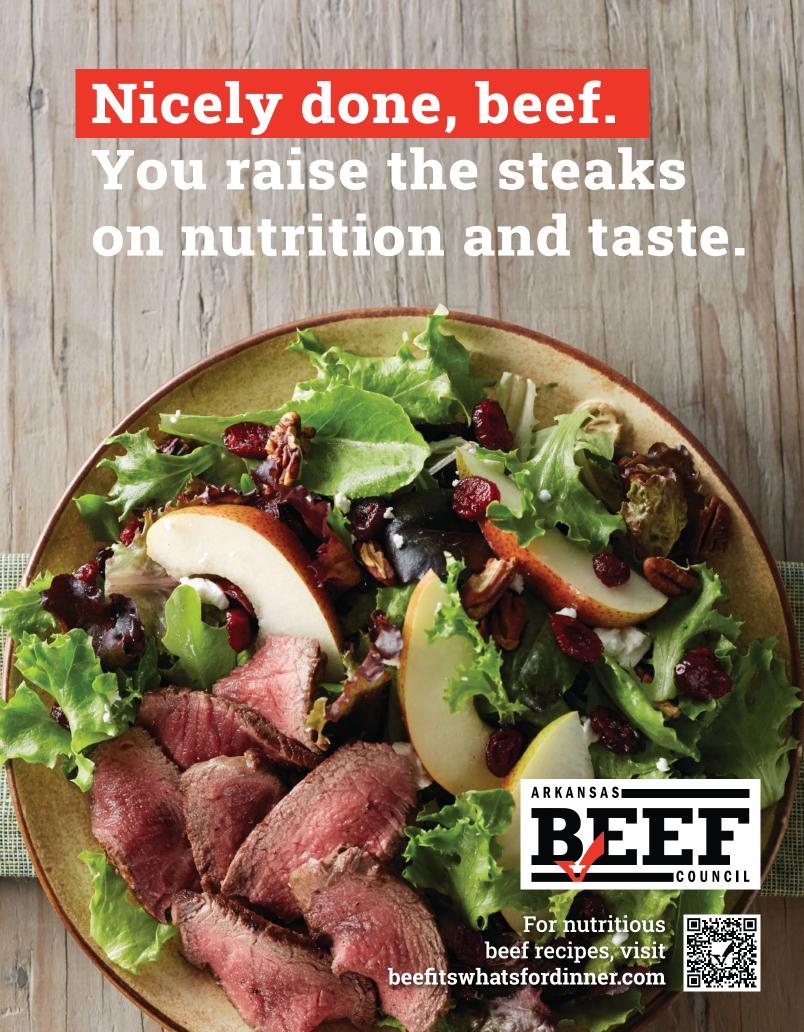
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#### **Family Medicine State Fact Sheet in**

#### **Arkansas**



Family medicine is the only medical specialty in which physicians are trained to provide continuing, comprehensive health care for people of all ages and genders, treating each organ system and every disease entity. No other medical specialty covers the broad range of primary care services that family medicine does.

Family medicine is based on a philosophy of caring for the whole person and a continual emphasis on family. community and environmental context, making it the ideal specialty to care for America's most vulnerable and underserved communities.

#### Family Physicians in the U.S. **Health Care System**

More Americans depend on family physicians than on any other medical specialty. AAFP members are the main source of primary health care for the Medicare population and see a large proportion of new Medicaid beneficiaries.1



Accepts new Medicare patients

86%



Accepts new Medicaid patients

70%

#### In a week, the average family physician has 82 total patient encounters.2



# Office Visits per week

61



# E-visits per week

13



# Hospital visits per week

8



# Nursing Home Visits per week



# House calls per week

51 days of life are added with every 10 additional primary care providers added per 100k residents.3

#### Family Physicians Training in

There were 130 family medicine residents in Arkansas between 2018 and 2020 and 63.1% remained in the state.4

# of Family Medicine Residency Programs<sup>5</sup>

14

# of Teaching Health Centers<sup>6</sup>



Arkansas has 72.9 primary care physicians Geo map of Arkansas

26 - 75 76 - 250 251 - 1,000 > 1,000 Primary Care Physicians (n=2,352)

#### Family Physicians in

#### **Arkansas**

Arkansas currently has **1,390** Family Physicians.8

Arkansas has 70 designated Health Professional Shortage Areas.9

**1,714,556** residents in Arkansas live in a medically underserved area.9

#### Family Medicine's Contribution to Arkansas' Economy<sup>10</sup>

#### \$1.7 billion

in direct and indirect economic output

11,869

direct and indirect jobs

#### \$827 million

in direct and indirect wages and benefits

- AMA Physician Masterfile as of November 2024.
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#### UPCOMING EVENTS

#### AAFP Leadership Conference (NCCL/ACLF)

April 24-26, 2025 - Kansas City, MO

#### **Arkansas AFP Resident Retreat**

May 2-4, 2025 – Hot Springs, AR

#### **AAFP Family Medicine Advocacy Summit**

June 22-25, 2025 – Washington, DC

#### **AAFP FUTURE 2025**

July 31-August 2, 2025 – Kansas City, MO

#### **Arkansas AFP Scientific Assembly 2025**

August 13-16, 2025 - Wyndham Hotel, North Little Rock, AR

#### **AAFP Congress of Delegates**

October 4-6, 2025 - Anaheim, CA

#### AAFP Family Medicine Experience (FMX)

October 5-9, 2025 – Anaheim. CA

For more information, visit arkansasafp.org



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