

# Arkansas Poison Center & Drug Information Center

*Past, Present, and Future*

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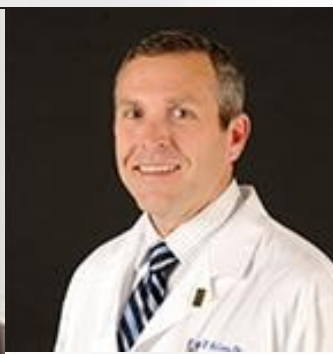
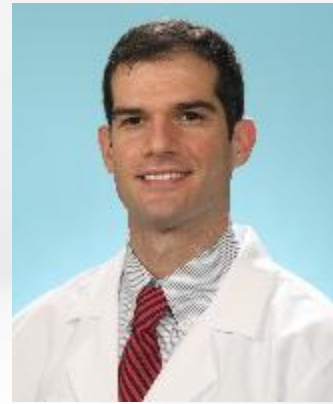
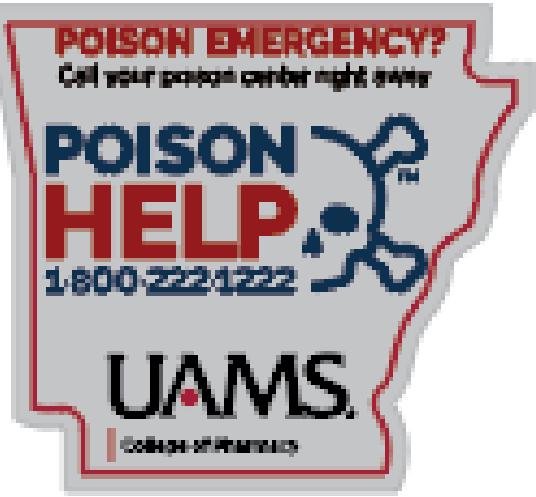
# Objectives

- Describe the history and role of the Arkansas Poison and Drug Information Center
- Discuss how the APDIC services can provide high value care for Arkansans

# What Do We Do?

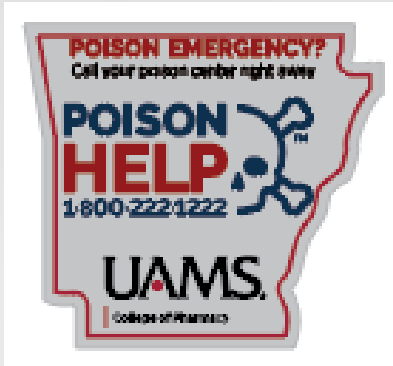
- Resource for both lay Arkansans and Healthcare Facilities
- Open 24/7/365
- 21,568 human exposure cases & 5840 informational cases (2023)
  - 59 exposure cases per day
    - ❖ Average 80 follow-ups per day
  - 16 informational cases per day
- We reach *every county in Arkansas* monthly based on exposure cases.
- Staffed by healthcare professionals







# History: 51-years of Operation



- Started with a joint grant (ADH and UAMS COP) in 1973
- From 1974-1993 wholly supported by the UAMS COP (Health professionals only)
- 1991 Act 796 created APDIC formally & placed it within the UAMS COP. Act 797 appropriated but left unfunded.
- 1993 ACT 797 funded the APDIC
- 1993 Advertised to the public
- 1999 (May) In-house 24/7
- 1999 (September) first federal HRSA grant
- 2005 Regionally accredited by the AAPCC
  - Reaccredited 2010, 2015 & 2022

# How Has This Mission Evolved?



# How Has This Mission Evolved?

**Last 15 years (2009-2023):**

- **22.9% increase in adult cases**
- **72.4% increase in healthcare-facility based cases**
- **91.8% increase in cases relating to suicide attempts**
  - **+200% in children, +800% in children < 12**
  - **3560 total suicidal cases (2023) and required 11,827 follow-ups**



# Cost Savings/Avoidance

- Two well done published studies show 7 to 13 dollars of cost avoidance for every dollar spent on a US poison center.





# Cost Saving/Avoidance continued

- UAMS cost of uncomplicated ED visit ~\$2,300
- 21,500/yr of those 15,000 cases originate at home
- APDIC referral rate is about 15% or to put it another way, the APDIC assumes at home responsibility for 12,750 individuals.
- 75% of the 12,750 individuals would go to the ED if no poison center existed.
- $\$2,300(0.75 \times 12,750) = \$22$  million dollars, APDIC budget ~\$2.1 million.
- Poison Centers save a lot of money!

# Local, Statewide, and National Stakeholders

## Nationwide

- Food and Drug Administration (FDA)
- Centers for Disease Control and Prevention (CDC)
- Agency for Toxic Substances and Disease Registry (ATSDR)
- America's Poison Centers (formerly American Association of Poison Control Centers)
- Toxicology Investigators Consortium (ToxIC)



# Local, Statewide, and National Stakeholders

## Statewide

- Arkansas Department of Health
- Arkansas Office of the Attorney General
- Arkansas State Crime Lab
- Arkansas Trauma Communications Center



# NPDS Real-time Toxicosurveillance

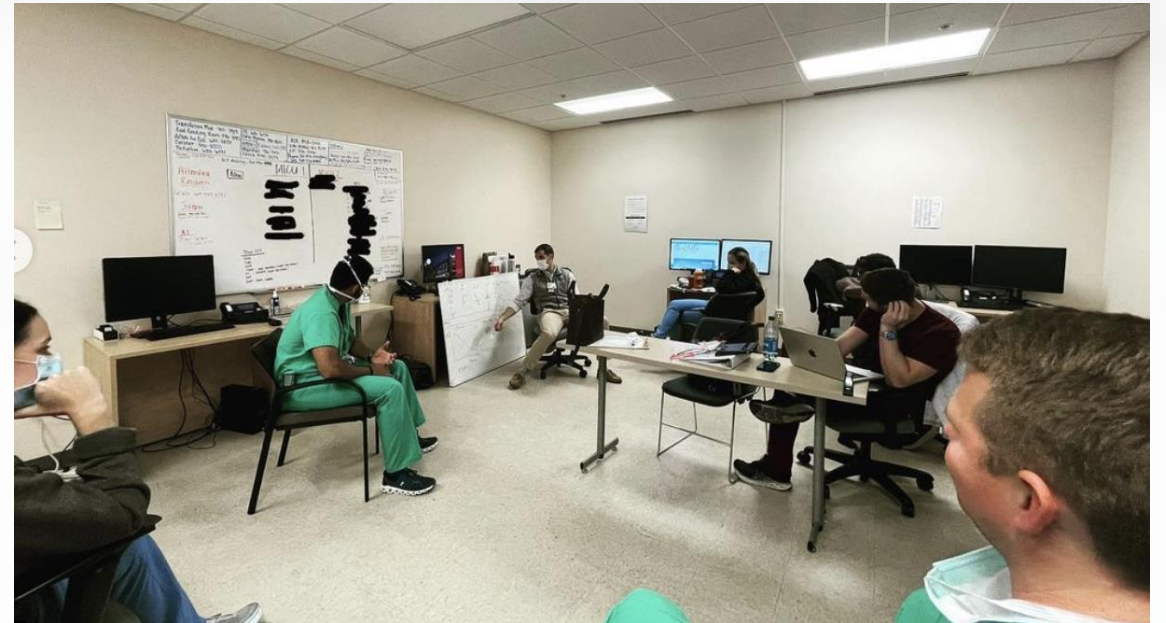


- Poison Centers nationally provide real-time surveillance on exposures
  - Deidentified cases uploaded within 8 minutes of logging to the National Poison Data System (NPDS)
  - Algorithms run in the background searching for clusters or trends.



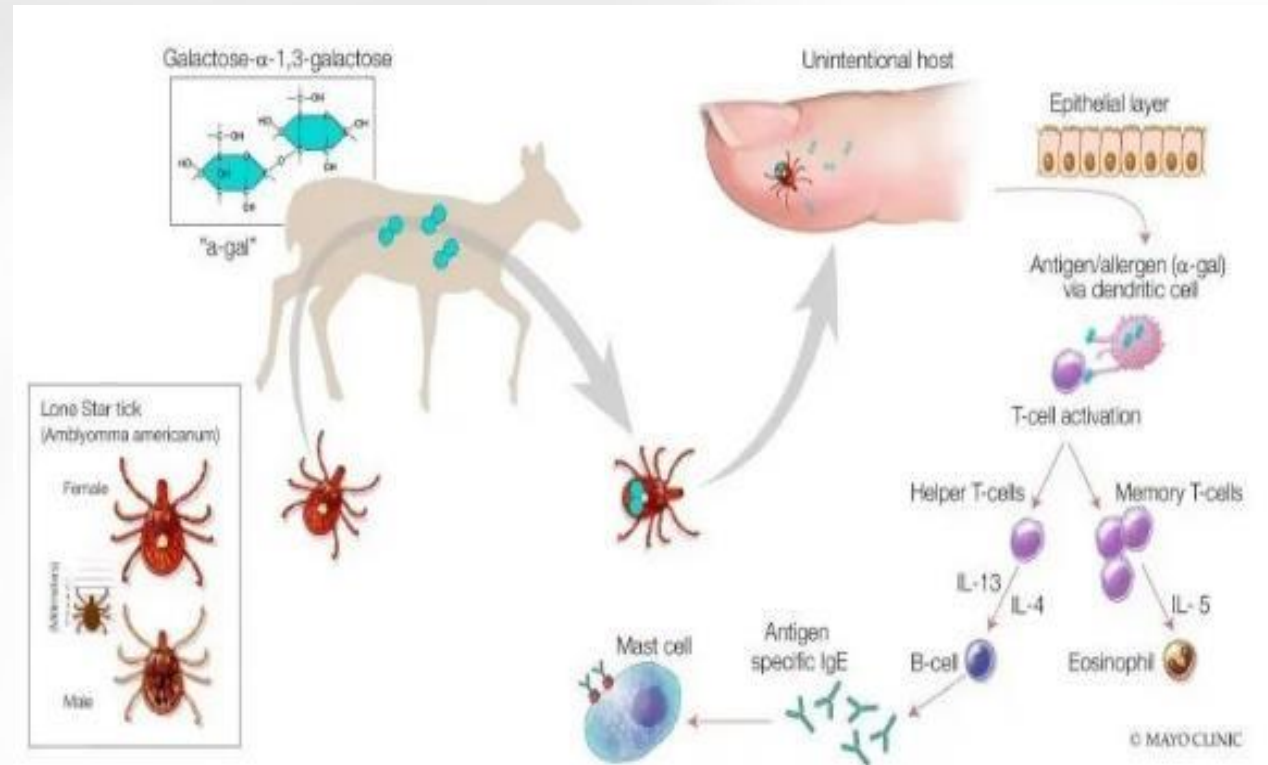
# Educational Mission

- Statewide public outreach (Charles Stutts)
  - 80,000-100,000k pieces of materials annually
    - Schools
    - Health Fairs
    - New mothers
    - Pediatrician offices
    - TV and radio appearances
- Professional Education
  - Students at UAMS
  - Residents both pharmacy and medicine



# Research Mission

- Adverse reactions to antivenin
  - Alpha-Gal is potentially playing a major
  - Collaboration with other states
  - National trends
- Case reports



# Funding History

- **Past Funding**

- 1973 grant
- 1973-summer 1993 UAMS COP
- Summer 1993-2011 100% State appropriation as non-line item
  - 1999 HRSA grant (annual grant program)
  - Contract work
- 2009 \$400k state appropriated but unfunded
- 2011 CHIP funding via DHS

- **2024 Funding**

- \$1,088,000 State
- \$700,000 CHIP (varies based on pediatric exposures)
- \$217,000 HRSA grant
- Contracts ~\$15,000

