



THE UNIVERSITY OF ARIZONA  
MEL & ENID ZUCKERMAN COLLEGE OF PUBLIC HEALTH  
**Center for Rural Health**



ARIZONA  
TELEMEDICINE  
PROGRAM



# Arizona State Office of Rural Health Webinar Series

Today's presentation:

**Poison Centers & Service to Arizona**  
*April 18, 2019*



# Arizona State Office of Rural Health Monthly Webinar Series

Provides technical assistance to rural stakeholders to disseminate research findings, policy updates, best-practices and other rural health issues to statewide rural partners and stakeholders.



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Thank you to our partners in delivering this webinar series:



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- Audience is muted during the presentation.
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- Webinar is being recorded
- Recording will be posted on the AzCRH [www.crh.arizona.edu/](http://www.crh.arizona.edu/) and SWTRC [www.southwesttrc.org/](http://www.southwesttrc.org/)

Today's presentation:



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# Poison Centers & Service to Arizona

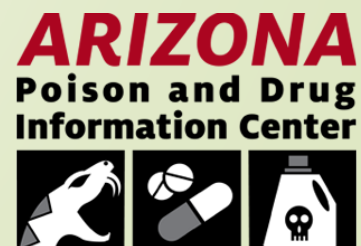


**Mazda Shirazi MS, MD, PhD, FACMT, FACEP**  
**Medical Director of Arizona Poison & Drug Information Center**

# Poison Centers & Service to Arizona

*Mazda Shirazi MS, MD, PhD, FACMT, FACEP*  
*Medical Director of Arizona Poison & Drug Information Center*

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Information Center**



# Impetus for development of Poison Centers:

- Growth of chemical, pharmaceutical, agricultural and consumer products.

# US History of Poison Centers 1:



- 1953: First US Poison Center opens in Chicago, IL.
- 1954 : Dr. Picchioni starts the voluntary Poison Center service at U of A.
- 1958 : American Association of Poison Centers established.



# US History of Poison Centers 2:

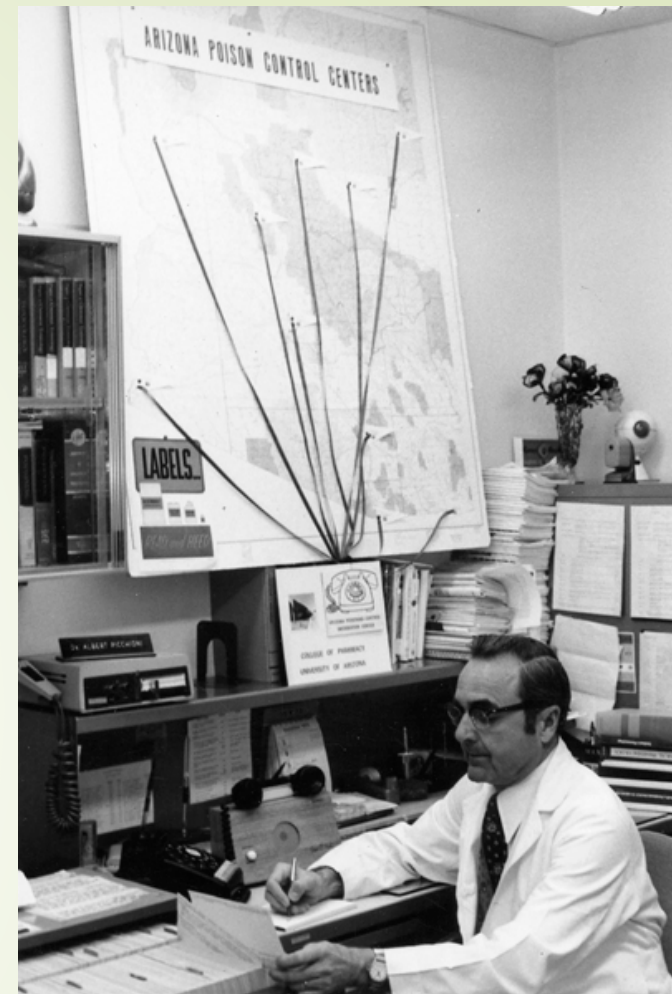


- 1962: President Kennedy establishes “National Poison Prevention Week”
  - (3<sup>rd</sup> week of March)
- 1980 : Arizona Government funds Arizona Poison & Drug Information Center
- 2002: US Federal Government :
  - Established a toll free number **1-800-222-1222**
  - Fund the centers \$28 million/year



# Local History:

- 1953 Albert L. Picchioni, PhD, arrived to teach at the University of Arizona College of Pharmacy.
- ~1955 the Poison Center is functioning 24/7 but remained a volunteer effort.
- 1980 the Arizona legislature approved funding of the Poison Center with a full time staff.



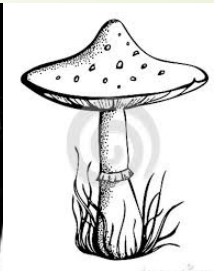
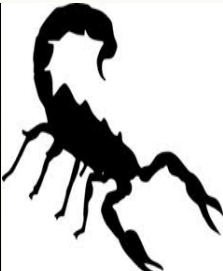
# Principals of Poison Center operation:

- 1 - Free service to the public
- 2 - Service 24/7/365
- 3 - Anonymous
- 4 - Educate, Prevent, Triage, Treat



# Poison Centers: Who are we?

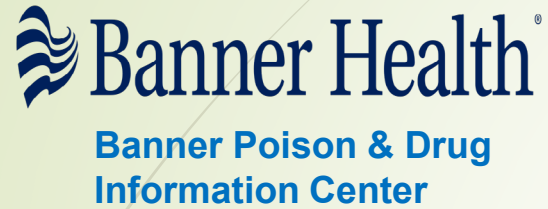
- Physicians - Toxicologist, Pediatrician, Pharmacologist
- Pharmacist - Poison Information specialist
- Nurses - Poison Information specialist
- Public health educator
- Teratologist



# Poison Centers: Where are we located?

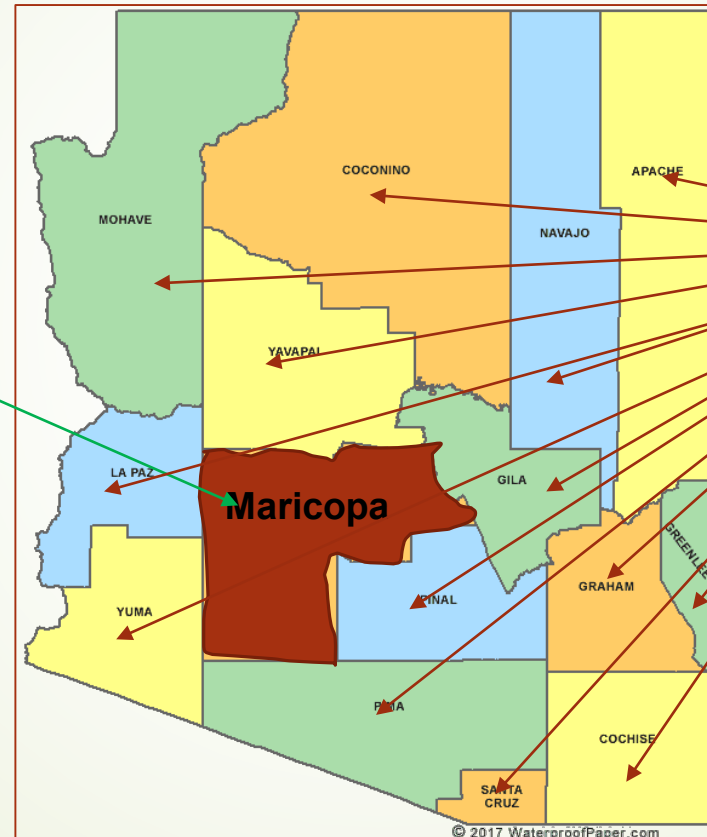
1. Some are based in Universities and Dept. of Health.
2. Some are in hospitals.
3. Some are independent Non-profit entities.

# Arizona's Poison Centers:



- Maricopa only

- 14 Counties  
Most of AHEC Service area  
Most of Tribal countries





# Poison Centers1: Who do we serve?



All the population of Arizona:

- Children
- Pregnant Women
- Breast feeding mothers
- Elderly



# Poison Centers: Who do we serve?

- Doctors, Nurses, Pharmacists
- Clinics
- Emergency rooms
- ICU
- EMS
- Law enforcement
- Department of Health



# Poison Centers: What do we do?

- Emergency phone service 24/7/365
- Exposure registry & data base
- Prevention, train, education
- Triage & treatment
- Post marketing surveillance
- Education (physician, pharmacist, nurses)
- Research
- Public Health



# Poison Centers: Public health role

- Poison information
- Drug information
- Toxicovigilance
- Pharmacovigilance
- Substance abuse
- Prevention/Treat
- Environmental toxicology
- Occupational toxicology
- Chemical incidence and disaster

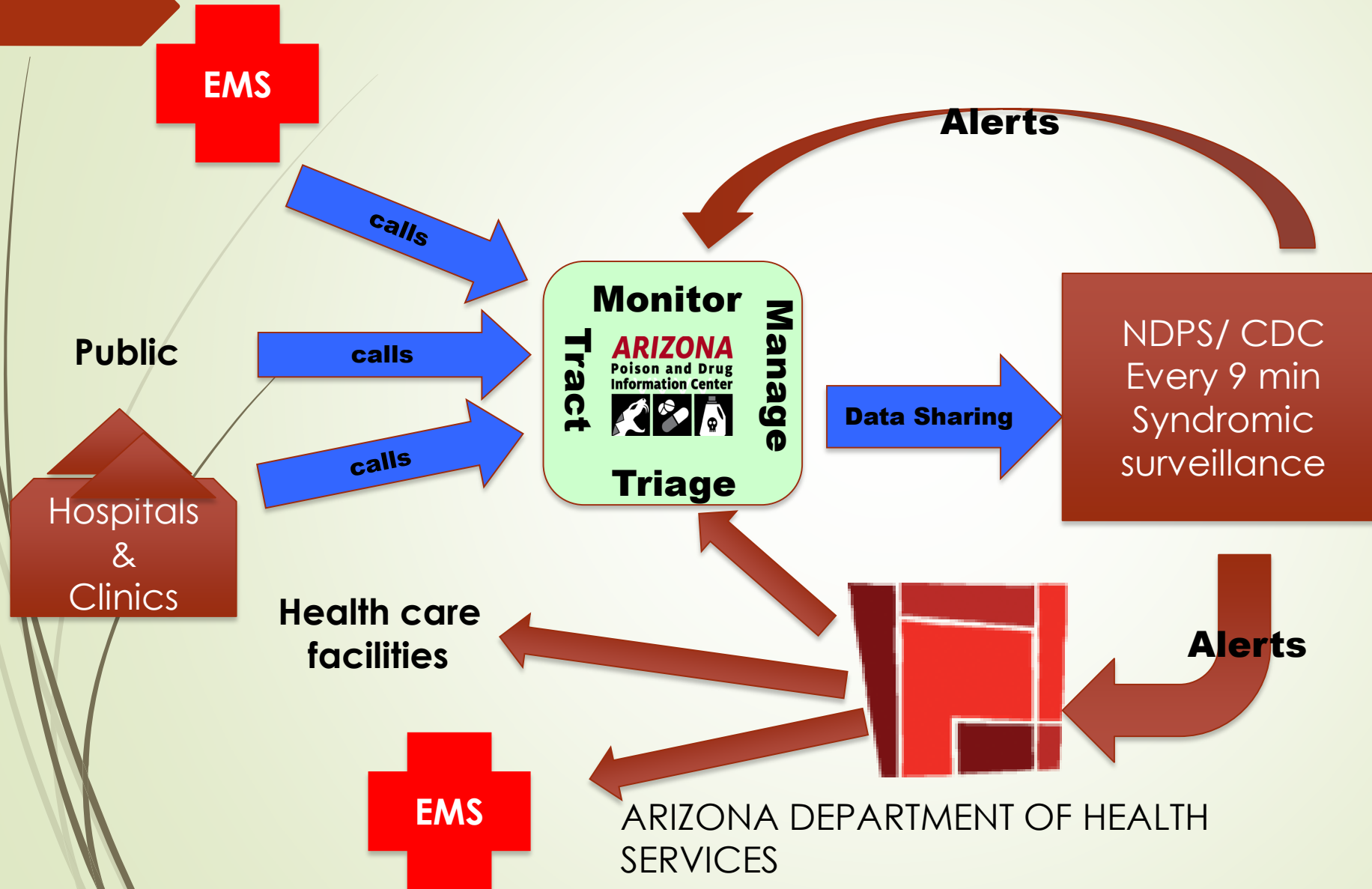
# Poison Centers : What do we do?

- Help evaluate children's exposure to medication, household chemical, plant and creatures.
- Help with care and treatment of drug overdose and poisonings.
- Help reduce and treat medication interactions.
- Help with care and treatment of environmental & occupational exposures.
- Help treat snake bite, scorpion stings, Africanized bee attacks.

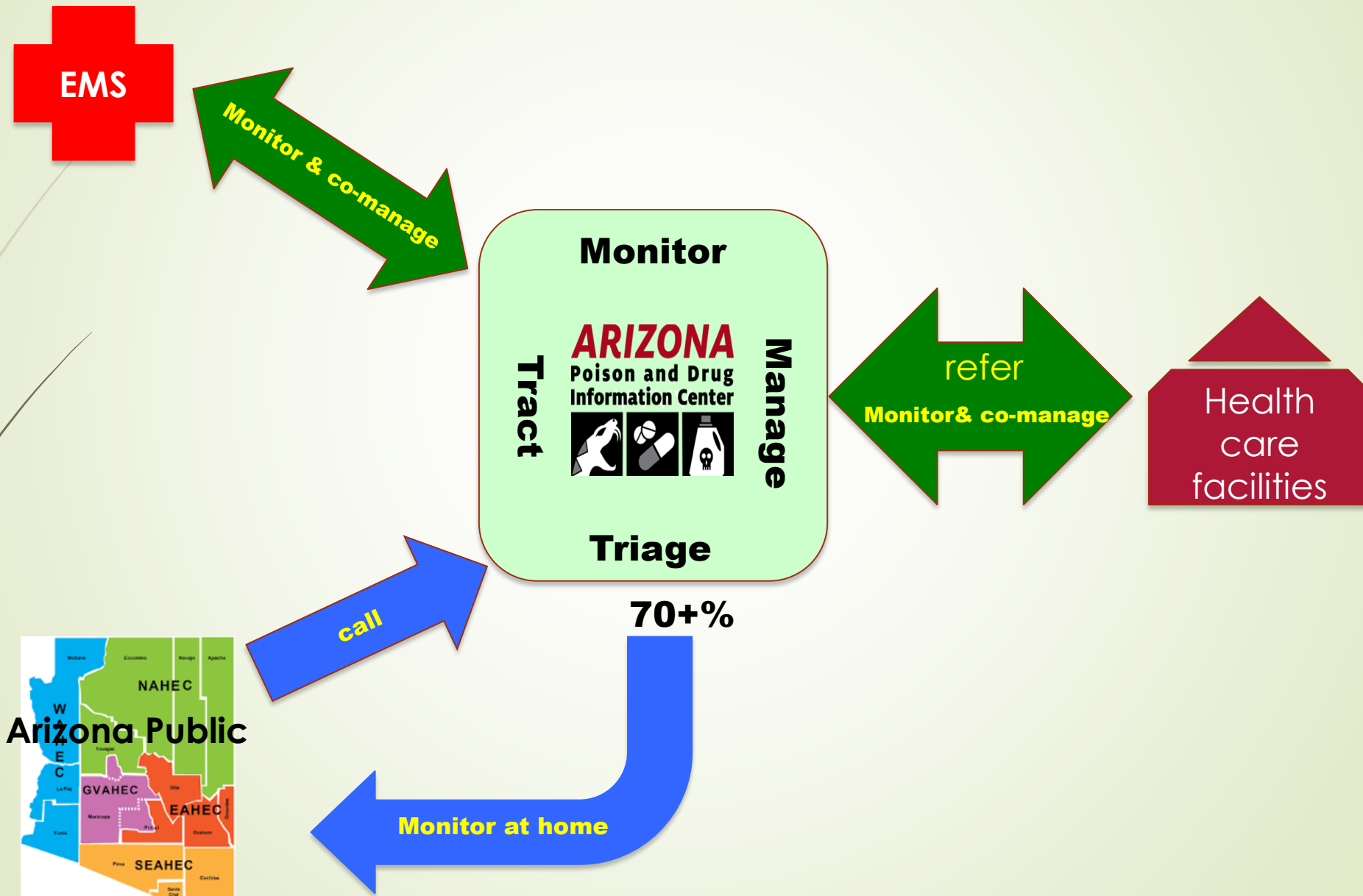
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# Data Collected 4: NPDS




# Current model of utilization of Poison Centers:



# Specialty Services:

- 1 - Mother to Baby: chemicals in pregnancy and breast feeding mothers and their infants.
- 2 - Pediatric Environmental Health Specialty Unit.
- 3 - Advanced Hazardous Materials Life Support (AHLS).
- 4 - Snake and Scorpion Envenomations and Anti-venoms use.
- 5 -Opiate Assistance and Referral (OAR- Line).

# Poison Centers' Data Base: NPDS established 1983

1. Multiple electronic medical records, Toxical, Toxcentury, Dot-lab
  2. All collect similar data
  3. Unique code for many but not all exposure
- 
4. Able to do follow up calls
  5. Monitored & updated every 8 minutes



# Poison Center resources for opioid dependency and pain management:



**Opioid Assistance & Referral**

A free 24/7 hotline that assists providers with complex patients with pain and opioid use disorders, answered by medical experts at the Poison and Drug Information Centers in Arizona.

Arizona **OAR** Line  
1-888-688-4222

# What IS the OAR Line?



**O**pioid  
**A**ssistance &  
**R**eferral

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# What is OAR line?

- *A resource for public referral and connecting to resources for addiction and detox.*
- *A resource for EMS and police to connect individuals to resources for addiction and detox.*
- *Resource for Primary care when patient prescription is higher than 90 milliequivalents of morphine.*



# Is OAR Line 24/7 ? Yes



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# Does OAR Line 24/7 work in rural Arizona?

**YES, it was designed for it**



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# Can hospitals & clinics use the number / or give it to patients?

Yes



**O**pioid  
**A**ssistance &  
**R**eferral

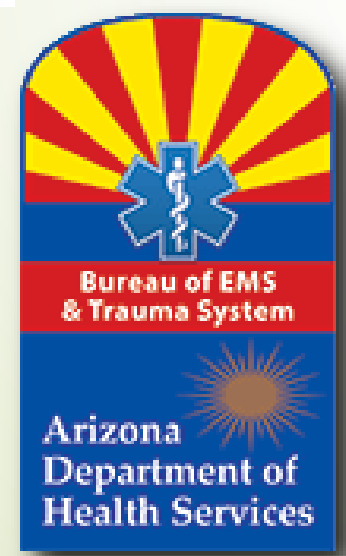
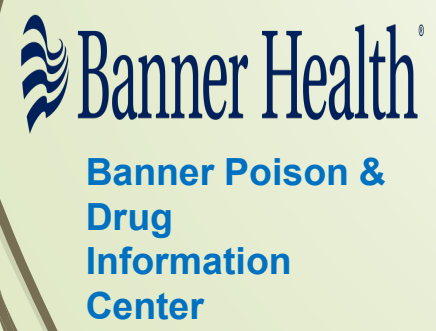
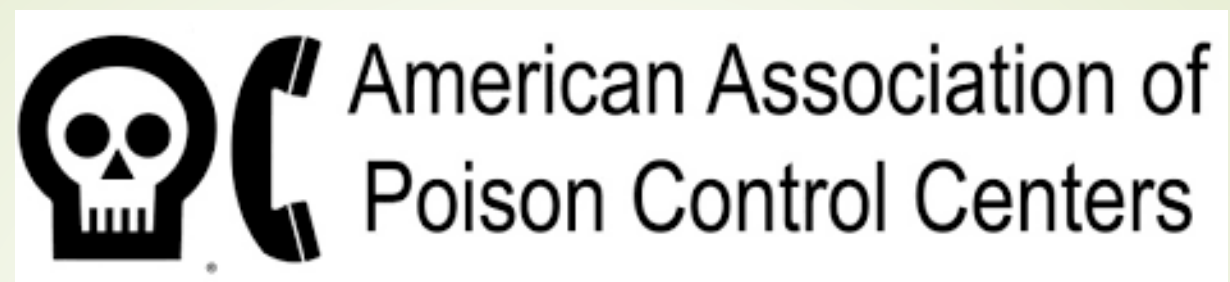
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# Summary:

*Poison Center do a lot for the state and*

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## Questions and Discussion

Please type your questions and comments into the Zoom Webinar Platform Chat box.



## Poison Centers & Service to Arizona

Mazda Shirazi MS, MD, PhD, FACMT, FACEP

Medical Director of Arizona Poison & Drug Information Center

**Thank you!**



**Your opinion is valuable to us.  
Please participate in this brief survey:**

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