

# ***Recognizing Arizona's First Responders and Medical Providers***

Rachel Garcia, MPH, CHES  
Deputy Assistant Director, Preparedness  
Bureau Chief, EMS & Trauma System  
Arizona Department of Health Services



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***Thank you!***

**Emergency Medical Services**

Emergency Departments **Fire Departments**

**Law Enforcement** Trauma Centers

**Hospitals** Nurses **Physicians**

Public Safety **Injury Prevention**

# Arizona's EMS & Trauma System



**116 Total**  
Ambulance Services



**98** Certificates of Necessity



**19** Air Ambulance Licenses



**1,228 Total**  
Active Ambulances



**1,084** Ground Ambulances



**144** Air Ambulances



**46 Total**  
Trauma Centers



**13** Level 1 Trauma Centers  
**1** Level 1 Pediatric Trauma Center  
**7** Level 3 Trauma Centers  
**26** Level 4 Trauma Centers

# Arizona's EMS & Trauma System



**21,778**  
Emergency Medical Care  
Technicians



**13,249** Emergency Medical Technicians  
**8,361** Paramedics  
**159** Advanced EMTs  
**9** I-99 EMTs



**1,650** Emergency Medicine Physicians



**Over 1,000** Emergency Medical Nurses



**14,548** Sworn Law Enforcement Officers

# AZ Prehospital Information and EMS Registry System (AZ-PIERS)

**1,231,143** EMS Incidents  
Reported to EMS Registry  
2021



**MVT-Occupant** 19,025  
**MVT-Motorcycle** 705  
**MVT-Pedestrian** 1,912  
**MVT-Pedalcycle** 1,502  
**MVT-Unspecified** 1,470

**MVT Total**  
**24,614**  
**2%**



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# Arizona EMS and Trauma System as a Component of Post-Crash Care



## When Traffic-Related Crashes Occur, EMS and Trauma System Personnel and Resources Reduce:

- Traffic-Related Mortality
- Hospital Length of Stay
- Recovery Time
- Lost Work Productivity
- Cost of Traffic-Related Crash Costs



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# AZ State Trauma Registry

**65,396** Trauma Incidents  
Reported to Trauma Registry  
2021



**MVT-Occupant** 12,247  
**MVT-Motorcycle** 2,093  
**MVT-Pedestrian** 1,221  
**MVT-Pedalcycle** 512  
**MVT-Unspecified** 6

**MVT Total**  
**16,079**  
**25%**

- **Motor Vehicle Trauma (MVT) - Occupant** was the second highest mechanism of injury for adults, with 12,247 injuries reported, 18.72% of all incidents reported to the Trauma Registry in 2021.
- **MVT - Occupant** was also the second most reported mechanism of injury for pediatric patients (0-17), with 1,558 injuries reported (22.04% of all pediatric incidents reported).
- MVT - Occupant accounted for over 1/4 of the 78 pediatric deaths reported.
- 29.67% of motor vehicle occupants were NOT using a passenger restraint
- Passengers were 4 times more likely to die in a car accident if not wearing a seatbelt
- Motorcyclists without helmets were 2 times more likely to die and 2 times more likely to suffer a Traumatic Brain Injury



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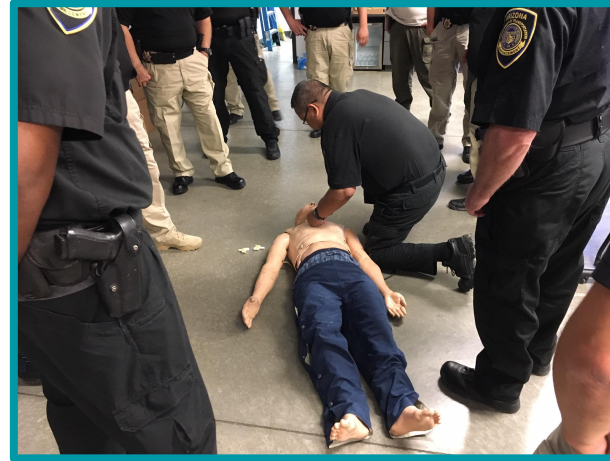
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# Prehospital Opioid Overdose Response



**15,187** Naloxone Doses Administered by First Responders

**7,842** Individuals Received Naloxone by First Responders



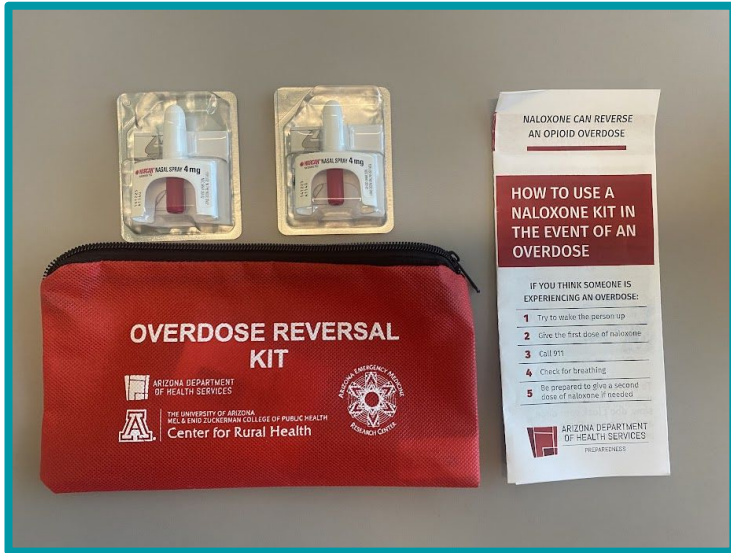
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# Prehospital Opioid Overdose Response

## Naloxone Leave Behind Program



### Evidence-Based Interventions that Save Lives

#### Participating EMS Agencies Receive:

- **Training and Technical Assistance** ADHS and the University of Arizona have developed an online interactive Naloxone Leave Behind training.
- **Free Naloxone Leave Behind Kits** Each Naloxone Leave Behind kit includes a custom pouch with two doses of intranasal naloxone, instructions for use, and a list of resources specific to each EMS agency's jurisdiction



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# Traffic Incident Management (TIM)

**FHWA 4-Hour Course Trains First Responders to Work Under Unified Command to Prevent Struck-By Fatalities**



## **National Unified Goal of TIM Training:**

- **Responder Safety**
- **Safe, Quick Clearance**
- **Prompt, Reliable, Interoperable Communications**



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# Traffic Incident Management (TIM)

Highway First Responders Line of Duty & Off-Duty Struck-By Fatalities (2017-2022)								
Data Source	When	LEO	Fire/EMS	Towing	Mobile Mech	DOT/SSP	Subtotal	Grand Total
National Data	LODD	75	26	75	10	6	192	205
	ODD	6	7	0	0	0	13	
	Combined	81	33	75	10	6	205	
Arizona Data	LODD	5	0	2	0	1	8	10
	ODD	2	0	0	0	0	2	
	Combined	7	0	2	0	1	10	
<i>LODD = Line of Duty Death</i>					<i>ODD = Off Duty Death</i>			



# 2023 EMCTs of the Year



**Rose Blackhorse-Gill**

Paramedic & Training Officer  
Sacred Mountain Medical Service  
Navajo Nation

**(Northern EMS Region)**



**Raymond Proa**

Paramedic & EMS Division Chief  
Fort Mojave Mesa Fire Department

**(Western EMS Region)**

# 2023 EMCTs of the Year



**Branden Mason**

Senior Paramedic  
Tucson Fire Department

**(Southeastern EMS Region)**



**James "Jim" Cesolini**

Paramedic & EMS Coordinator  
Maricopa County Sheriff's Office

**(Central EMS Region)**

# Highlight Tribal Agencies Participation in the Arizona EMS & Trauma System

## *Designated Trauma Centers & CON Providers*

San Carlos Apache  
Healthcare Corp. Trauma  
Center

Tuba City Regional  
Health Care Corp  
Trauma Center


San Carlos Apache Tribe  
EMS (CON)

## *Public Health Excellence in Law Enforcement*

Salt River  
Police Department

Salt River Department  
of Corrections

Hopi Resource  
Enforcement Service



The EMS & Trauma System plays a valuable role through its first responders and medical professionals providing **Post-Crash Care, Data, and Recommendations** to improve Roadway Safety, Injury Prevention, and improving outcomes.

## Contact Us

# Bureau of Emergency Medical Services & Trauma System

### PHONE

(602) 364-3150

### WEBSITE

[https://www.azdhs.gov/preparedness/  
emergency-medical-services-trauma-system/index.php](https://www.azdhs.gov/preparedness/emergency-medical-services-trauma-system/index.php)



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