



**Northwest Fire District
Governing Board**
13535 North Marana Main Street
Marana, Arizona

SCHEDULED

MEMORANDUM NO. {{item.tracking_number}}

Date:	February 27, 2024
To:	Governing Board
From:	Amber Rice, Medical Director
Division:	EMS/Dispatch
Type of Action:	Information Only
Strategic Plan Goals:	Maximize collaboration with outside partners and stakeholders
Agenda Item:	Presentation from Medical Director Dr. Amber Rice Regarding the Pedi-PART Study that the District will be Participating In

RECOMMENDATION:

Information only.

MOTION:

Information only.

DISCUSSION:

When a child suffers a life-threatening illness or accident, Emergency Medical Services (EMS) is often the first on the scene and the first to apply lifesaving medical strategies to restore or maintain breathing before the child can get to the hospital.

The Pedi-PART study is designed to determine the best strategy to restore or maintain breathing in children. There are three methods that EMS personnel currently use to maintain/restore breathing in children:

- Bag valve mask ventilation (BVM): Paramedics place a tight-fitting mask on top of the face and squeeze oxygen in through the mouth and nose and into the lungs.
- Endotracheal intubation (ETI): Paramedics place a plastic tube down the throat through the voice box and squeeze oxygen into the windpipe and lungs.
- Supraglottic airway insertion (SGA): Paramedics place a special tube in the mouth and down the throat above the voice box and squeeze oxygen into the windpipe and lungs.

In this study, we will determine which method works best for child survival by comparing the three (3) methods that are used every day by emergency medical providers to manage airways and support breathing. Participating EMS agencies will be assigned to use a different method each day. This will allow researchers to compare the effectiveness of each method. If the assigned method is unsuccessful then EMS may rescue with any other airway method.

EMS agencies from 10 different cities across the US will participate in the trial. These EMS

agencies are collaborating with the Pediatric Emergency Care Applied Research Network ([PECARN Link](#)).

This National Institute of Health (NIH)-funded and sponsored, randomized trial involves Northwest Fire District, Golder Ranch Fire District, and Tucson Fire Department as well as EMS agencies from nine (9) other cities across the United states. Dr. Rice and Dr. Gaither will oversee the study locally.

ALTERNATIVES:
Information only.

Fiscal Impact	
FISCAL YEAR:	23/24
BUDGETED Y/N:	N/A
AMOUNT REQUESTED:	N/A
FISCAL IMPACT:	N/A

Attachments	
Pedi-PART Presentation	
Pedi-PART Information Flyer	