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# THE DNP ROLE IN SCOPE OF PRACTICE EXPANSION FOR GEORGIA EMT & EMT-I IN EMERGENT TREATMENT OF ANAPHYLAXIS

# Objectives

1. Identify two key factors needed for quality improvement.
2. Identify key steps in the process of developing a training module to teach others a new skill.
3. Recognize that collaboration is a key component of quality improvement.

# Background

- Advanced Emergency Medical Technician (AEMT)
  - ✓ *Epinephrine via draw and inject method*
  - ✓ *Epinephrine via autoinjector*
- Emergency Medical Technician – Intermediate (EMT-I)
  - ✓ *Epinephrine only via autoinjector*
- Emergency Medical Technician
  - ✓ *Epinephrine only via autoinjector*

# Problem

- 1:50<sup>2</sup>
- 1% Fatality<sup>5</sup>
- Delayed treatment<sup>5</sup>
- Worldwide shortages<sup>3</sup>
- Cost prohibitive<sup>1</sup>
- Limited alternatives<sup>3</sup>

<sup>1</sup> Boundtree, n.d.

<sup>2</sup> Grissinger, 2017

<sup>3</sup> Latimer, et. al., 2018

<sup>4</sup> Pepper, et. al., 2017

<sup>5</sup> Turner, et. al., 2017

# Solution

- Epi-kit<sup>1</sup>
- King County, Washington<sup>3</sup>
- 20+ states<sup>2</sup>

<sup>1</sup> Boundtree, n.d

<sup>2</sup> EMS Protocols, n.d.

<sup>3</sup> Latimer, et. al., 2018

# Process

- Literature review
- Donabedian model
  - *Structure*
  - *Process*
  - *Outcome*
- Augusta University IRB

# Process

- Development

- a) *Online Power Point training module*

- b) *Imbedded demonstration video*

- c) *Pre-test/Post-test*

- d) *Skills check off*

<https://www.youtube.com/watch?v=ww-p9aU3VUs&t=36s>

# Results

## State Level

- ✓ Appropriate, quality educational materials developed
- ✓ Approved skills evaluation
- ✓ Georgia legislation revision

## Local Level

- ✓ Scope of practice expansion
- ✓ Increased patient access to life saving treatment
- ✓ Increased quality of care for the population



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