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

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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$^2$
- 1% Fatality$^5$
- Delayed treatment$^5$
- Worldwide shortages$^3$
- Cost prohibitive$^1$
- Limited alternatives$^3$

1 Boundtree, n.d.
2 Grissinger, 2017
3 Latimer, et. al., 2018
4 Pepper, et. al., 2017
5 Turner, et. al., 2017
Solution

- Epi-kit\textsuperscript{1}
- King County, Washington\textsuperscript{3}
- 20+ states\textsuperscript{2}

\textsuperscript{1} Boundtree, n.d
\textsuperscript{2} EMS Protocols, n.d.
\textsuperscript{3} 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=wv-p9aU3VUs&t=36s
## Results

<table>
<thead>
<tr>
<th>State Level</th>
<th>Local Level</th>
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<tbody>
<tr>
<td>✓ Appropriate, quality educational materials developed</td>
<td>✓ Scope of practice expansion</td>
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<tr>
<td>✓ Approved skills evaluation</td>
<td>✓ Increased patient access to life saving treatment</td>
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<tr>
<td>✓ Georgia legislation revision</td>
<td>✓ Increased quality of care for the population</td>
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Bound Tree Medical (n.d.) Retrieved from www.boundtree.com