## Best Practices for Embedding Implementation Science in DNP Projects: Lessons Learned from Two DNP Programs

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## **Objectives:**

- 1. Describe a retrospective review of DNP Projects from two universities to determine the inclusion of theories, frameworks, and models from Implementation Science.
- Explore to what extent DNP programs are using Implementation Science language and processes in their DNP projects.

# **Implementation Science** (as defined by the NIH, 2015)

the study of methods to promote the integration of research findings and evidence into healthcare policy and practice

## Partnership of Two Schools: Focus on Implementation Science

- Preliminary Work as partners
- Frequent discussions about:
  - Translational Science
  - Improvement Science
  - Implementation Science
  - Systems Science
  - ....terminology, meaning and reality....

AdvISE Summit- University of Maryland Don Bergman- IHI- "de-jargonize all of this and focus on doing projects that make an impact."

![](_page_2_Figure_0.jpeg)

## **Implementation Science and the DNP**

### AACN 2015-

## The Doctor of Nursing Practice: Current Issues and Clarifying Recommendations -Report from the Task Force on the Implementation of the DNP

"practice-focused graduates are prepared to generate new knowledge through innovation of practice change, the translation of evidence, and the **implementation** of quality improvement processes in specific practice settings, systems, or with specific populations to improve health or health outcomes."

"it is crucial that the profession clarify the scope of the final scholarly project, the level of **implementation**, the impact on system/practice outcomes, the extent of collaborative efforts, the expected dissemination of findings, and the degree of faculty mentorship/oversight."

![](_page_3_Figure_0.jpeg)

## **Implementation Science and the DNP**

- "Each member of the group must meet all expectations of planning, **implementation**, and evaluation of the project, and be evaluated accordingly."
- "Implementation of quality improvement processes. (To address faculty development in the use of quality improvement methods further .."
- "Programs are encouraged to consider a broad range of academic-practice partnerships, e.g. with school systems, prison systems, and public health departments, that afford students opportunities to engage in the full planning, implementation, and evaluation of a project that impacts healthcare outcomes."

![](_page_4_Figure_0.jpeg)

![](_page_4_Picture_1.jpeg)

# **Overall goal**Determine the degree to which DNP Projects in two universities embedded theories, models, and frameworks from Implementation Science and used evidence-based implementation strategies. IRB approval as a QI

![](_page_5_Figure_1.jpeg)

![](_page_5_Picture_2.jpeg)

![](_page_6_Figure_0.jpeg)

![](_page_6_Figure_1.jpeg)

![](_page_7_Figure_0.jpeg)

# **Results:** Demographics (continued)...

- Population focus
  - HF Patients
  - Pre Diabetes
  - Nurse Staffing/Costs
  - Procedural Sedation
  - Nurse Incivility
  - Psychiatry
  - Inpatient Hospice Care
  - Sepsis
  - Pediatric
  - Acute Care
  - Providers

# Results: Demographics (continued)...

- Intervention: Single strategy vs. Bundled approach
   Bundled 24
- Team/Group Projects 0

![](_page_8_Picture_4.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_9_Figure_1.jpeg)

![](_page_10_Figure_0.jpeg)

## **Implications: Lessons Learned**

- Much work to be done .....
- Questions to consider:
  - Where does implementation science "fit" in the curriculum?
  - Structuring DNP Projects to include implementation science
  - Theories, Models, and Frameworks . . . Oh my!

## Next steps . . .

- Cross-walking courses to determine how to "infuse" and "grow" improvement and implementation science into curriculum and projects
- Faculty Development
- Begin to explore how context matters . . . Use of tools

![](_page_11_Picture_5.jpeg)

![](_page_12_Picture_0.jpeg)

## Selected References

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- Powell, B., Waltz, T., Chinman, M., Damschroder, L., Smith, J., Matthieu, M., Proctor, E. and Kirchner, J. (2015), "A refined compilation of implementation strategies: results from the Expert Recommendations for Implementing Change (ERIC) project", Implementation Science, Vol. 10 p. 21, doi: 10.1186/s13012-015-0209-1.

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![](_page_13_Picture_3.jpeg)