1. Utilize Capstone project results to change practice and policies

2. Differentiate the complimentary research role of the DNP and PhD prepared nurse.

**Objectives**

*DNP’s projects to:
  * Evaluate evidence based practice
  * Inform practice
  * Inform practice policy
  * Practice leaders and scholars*
Research is needed to impact practice by 2020. Approach that values the contribution of all nurse researchers (IOM, 2010) Scholarship of practice (Boyer, 1990)

Build Research Capability

* Evaluate practice to improve the quality and outcomes of care.
* Investigate clinical practice issues to influence policy.

The Research Role of the DNP

Three projects will be discussed that influenced practice and policy:
1. Evaluation of practice performance against benchmarks
2. Evaluation of the effectiveness of clinical approaches
3. Innovative clinical programs

Capstone projects
*Telehealth Stroke Prevention Education in Elderly Appalachian Virginians

* Patty Schweickert, MSN, FNP*, Carolyn M. Rutledge, PhD, David C. Cattell-Gordon, MDiv, MSW, Nina J. Solenski, MSW, Sheila Branson, MSN, FNP, Jo, Mary E. Jensen, MD, R. Gaughen, MD.

*Telehealth In Practice

To determine whether telehealth delivered stroke education is as effective as stroke education delivered in person.

*Quasi-experimental, non equivalent pretest-posttest control group design

* Big Stone Gap, Virginia

*Videoconference for telehealth session via University of Virginia

*Purpose and methods

*Results suggest telehealth stroke education is comparable to in person education

INFLUENCES:

* Suggests feasibility and effectiveness of telehealth stroke education for the rural elderly

* Offers model for expanded role of telehealth in patient education
**Telehealth Stroke Prevention Education in Elderly Appalachian Virginians**

*Patty Schweickert, MSN, FNP1, Carolyn M. Rutledge, PhD2, et al*

*American Telemedicine Association*  
*Conference, May 16-18, 2010 San Antonio*

**Effectiveness of an EHR in Adherence to Asthma Guidelines with Children**

*J McMurray, DNP, CPNP*

Compared the outcomes of pediatric patients with Asthma  
Pre and post the implementation of Electronic Health Record and staff training  
INFLUENCE: Adherence to care and expected outcomes increased significantly
**Computer technology can make it easier for providers to teach obese patients about making healthy nutritional choices through web-based support.**

* There are many web-based resources available to patients, however, patients may lack understanding of which sites are reliable and exactly how to utilize them.

**Patient Use of Technology**
Will there be a pre-and post-difference in weight loss behaviors, subjective health, weight loss, and comfort in using web-based support in participants that receive the nutritional web-focused intervention program?

What is the difference in weight loss behaviors, subjective health, weight loss, and comfort in using web-based support between individuals that receive the web-focused nutritional intervention and those that do not receive the intervention?

*Research Questions*

*Quasi-experimental design*

* Patients participated in a 6-week web-based nutritional intervention program

* A pre-and post-test comparison was used to identify differences within and between each group before and after

* 40 obese women (20 in each group) ages 21-45 with a BMI of 30-40 who met the inclusionary criteria to participate in the program

*Methods*

* After participating in the web-based nutritional intervention program, the intervention group had significant pre-and post-test differences in weight loss \((p = .034)\)

* The intervention group was significantly more comfortable with using the computer after completing the program than the comparison group \((p = .004)\)

*Findings*
Influences:
This study was converted into a template for a time-saving effort for primary care providers in addressing obesity.
Web-based programs can be used to impact health outcomes in practice.

*Implications for Practice*


*Presentation*

1. EHR use and improved asthma outcomes
2. Effectiveness of telehealth in stroke prevention in rural areas
3. Use of web-based support for effective weight loss

*Influence on practice policies*
*Practice policy is shaped by the ongoing investigation and evaluation of clinical practice.
*DNP’s are practice experts.

*Creating the Evidence for Change