

# Problem Based Learning and Wiki Tools Support DNP Students Achieving Collaboration Across Disciplines in Order to Improve Health Care Outcomes

Maite Garrido DNP, FNP

Florida International University; Miami, Florida; garridom@fiu.edu

## Introduction

Integrating Problem Based Learning (PBL) and Wiki tools in DNP assignment to conduct analysis of informatics systems across disciplines.

*“In your DNP position part of your responsibility is to assess healthcare information solutions in place at your area of practice and make Information Technology (IT) recommendations based on evidence, collaboration and testing that will provide improved IT and ultimately patient outcomes”.*



## PBL

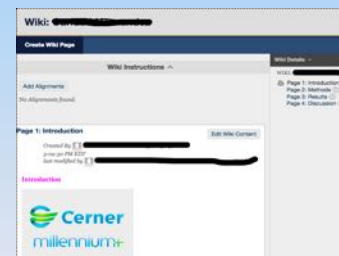
Interprofessional qualitative IT observations and quantitative system usability scale (SUS) survey conducted in real world settings. DNP students shared results and outcomes in Wiki tools.

Checklist A  
Historic Competence Checklist

Historic Competence (Nelson, 1995)	Mat			Non Mat		
	MD	MA	C	MD	MA	C
1. Visibility of system status						
- Always inform users about what is going on	√	√	√			
- Provide appropriate feedback in a reasonable time	√	√	√			

End User Surveys

Survey	Score	Comments
Survey 1	85	Good
Survey 2	78	Needs improvement
Survey 3	92	Excellent
Survey 4	88	Good
Survey 5	75	Needs improvement
Survey 6	82	Good
Survey 7	79	Needs improvement
Survey 8	86	Good
Survey 9	81	Good
Survey 10	84	Good



## Outcomes

- Many healthcare end user's competency and IT systems evaluated: RN, MD, ARNP, PT, OT, SLP.
- Improved Health Informatics Technology, HITECH goals & Healthcare outcomes.

*“Addressing the issue of ongoing EHR usability and training positively impacted meaningful use, regulatory agency recognition, and improved patient care, patient safety, staff satisfaction, productivity, efficiency and financial outcome”.*