

## HIV and Contact Tracing: Impact of a Virtual Patient Simulation Activity

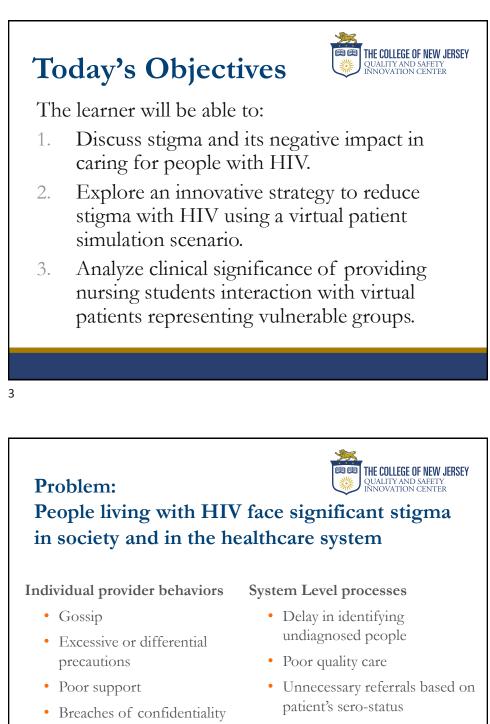
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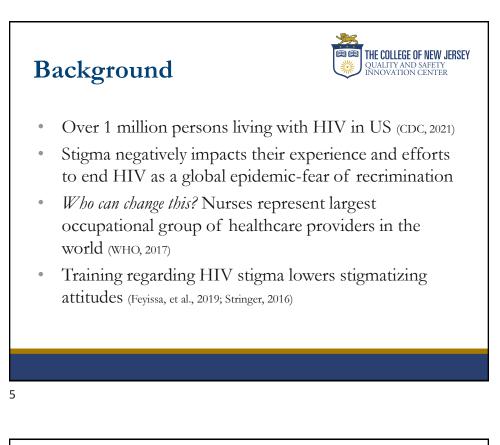
The authors of this presentation are employed by a publishing company specializing in scientific, technical, and medical content, including simulations for nursing education.

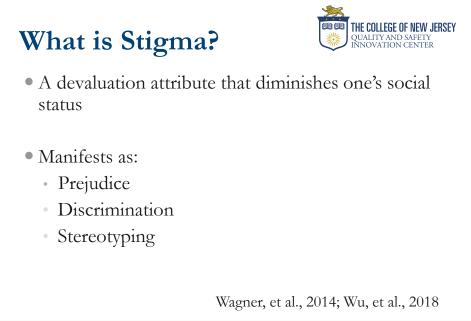
No additional funding was received for this project.

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• Negligence related to care





# **Study Aim**



• Determine the effect of a virtual patient simulation scenario developed specifically for nursing students on attitudes and beliefs about providing care for a patient living with HIV

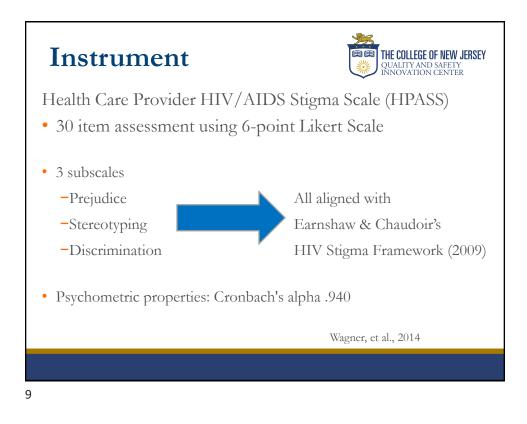
•IRB approval granted

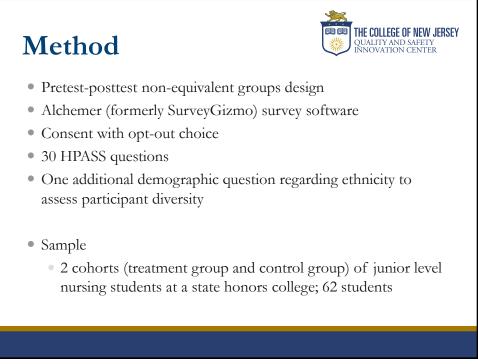


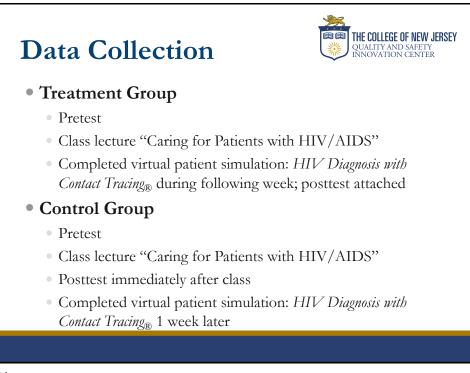


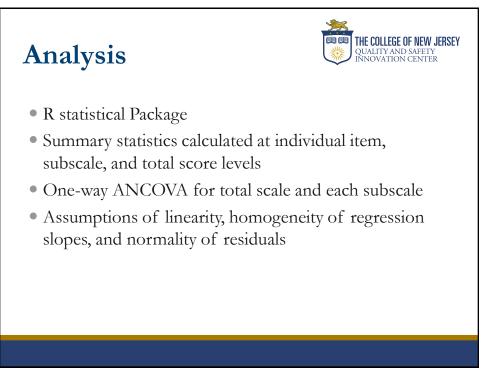
# Simulation Learning Activity

- 52-year-old Vietnamese-American man being diagnosed with HIV in the clinic setting
- Opportunity to assess and care for a patient they may not encounter during their clinical education
- Served to supplement clinical hours due to limited clinical site availability









## Results



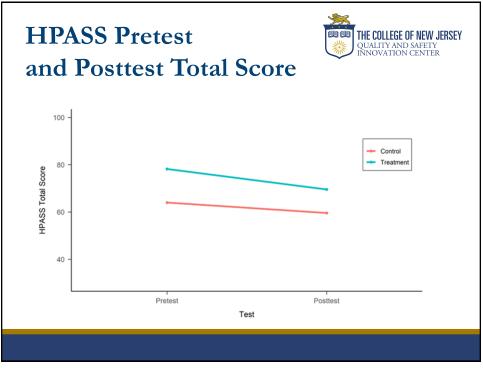
• 39 students (63%) completed pretest

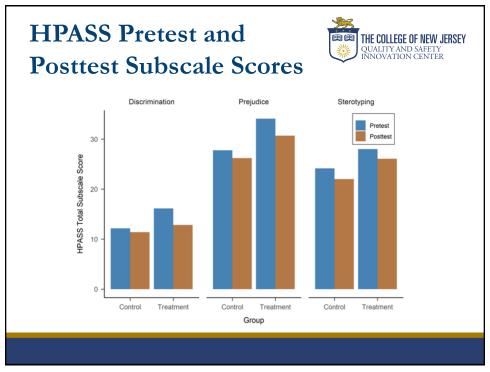
#### **Treatment Group**

- 16 of 30 students (53%) completed posttest
- 75% reporting as White or Caucasian; 25% as other

#### **Control Group**

- 16 of 32 students (50%) completed posttest
- 69% reporting as White or Caucasian; 31% as other





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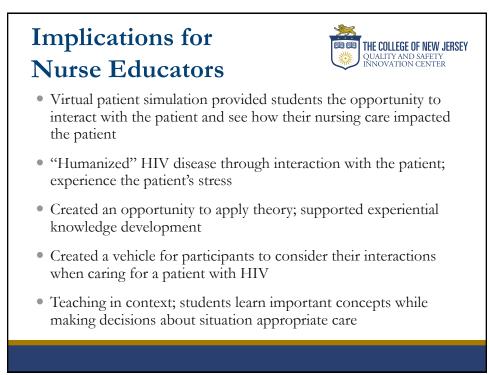
## **Clinical Significance**



All item mean scores on the **Discrimination** subscale decreased more for students in the treatment group than in the control group.

Discrimination Subscale						
3. I believe I have the right to refuse to treat HIV+ patients for the safety of other patients.	2.38	1.69	.69	1.50	1.81	+.31
7. I believe I have the right to refuse to treat HIV+ patients if other staff members are concerned about safety.	2.38	2.06	.32	1.81	1.69	.12
8. I would avoid conducting certain procedures on HIV+ patients.	2.75	2.19	.56	2.25	1.81	.44
11. I believe I have the right to refuse to treat HIV+ patients if I feel uncomfortable.	3.06	2.31	.75	2.38	1.94	.44
14. I believe I have the right to refuse to treat HIV+ patients to protect myself.	2.75	2.38	.37	2.00	2.00	0
17. I believe I have the right to refuse to treat HIV+ patients if I am concerned about legal liability.	2.81	2.19	.625	2.19	2.12	.06

Prejudice-							
Decreased by 21 % in treatment group while increased in control gro	$1\$.\ I$ would rather see an HIV-negative patient than see an HIV- patient with non-HIV-related concerns.	3.56	2.81	.75	2.38	2.50	+.12
Stereotuning							
Stereotyping-	16. I think many HIV+ nationts likely	2.56	2.25	.31	2.19	2.38	+.19
<b>Stereotyping</b> - Decreased by 12% in treatment group while	16. I think many HIV+ patients likely have substance abuse problems.	2.56	2.25	.31	2.19	2.38	+.19



### **Key Points**



- 1. People living with HIV face stigma and discrimination which negatively impacts their experience when accessing healthcare; nurses are in a position to change this.
- 2. Educating nursing students about people living with HIV can reduce stigma and discrimination but opportunities need to be provided for interaction, learning, and self-reflection.
- 3. Focused virtual patient simulation is a strategy to provide nursing students the opportunity to interact with and learn about patients that they would not encounter during their clinical experience.





Nurses can positively impact patient care if given the opportunity to reflect on their care.