

# Nursing Telehealth Education



**Patty Schweickert DNP, FNP-BC**

APN-PLACE is funded through a grant from the US Health Resources Services Administration

**University of Virginia Health System**

Supported by The Old Dominion School of Nursing and

**University of Virginia School of Nursing**

The University of Virginia Karen S. Rheuban Center for Telehealth

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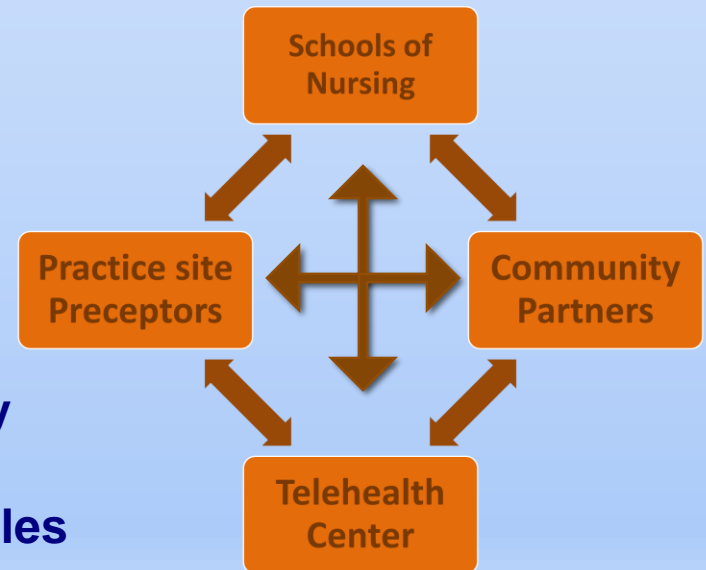
HRSA Grant # D09HP28668

**Old Dominion University School of Nursing**

# Adanced Practice Nurse Practicum Link and Clinical Education APN-PLACE

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- Telehealth education network
  - A communication system connecting schools of nursing to clinical practice sites
- Live videoconferencing and medical peripherals connect students in practicum sites to faculty without burden of travel, increasing efficiency
- Provides preceptor support and enables faculty to:
  - Connect,
  - Observe, and
  - Educate students and preceptors

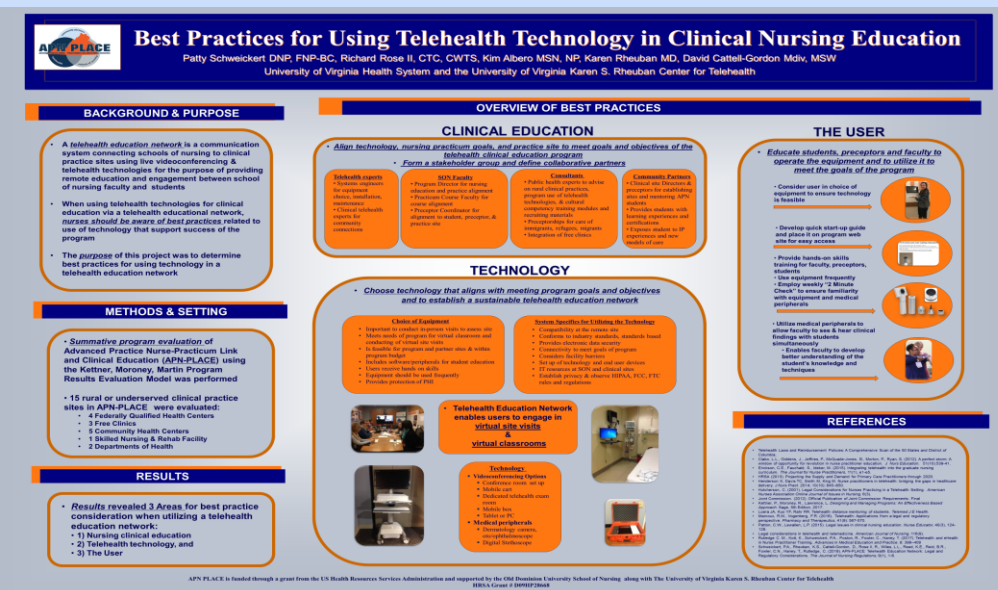


# APN-PLACE Program Scope

- **APN-PLACE Program has connected:**
- **15 rural and underserved clinical practice sites in Virginia**
  - 4 FQHC
  - 3 Free Clinics
  - 2 Departments of Health
  - 5 Community Health Centers
  - 1 Skilled Nursing/Rehab Center
- **36 preceptors educated and engaged**
- **88 students precepted**
- **Uses HIPAA compliant equipment**
- **Participants can participate in UVA Project ECHO Vascular**



# Best Practices for Using Telehealth Technology in Clinical Nursing Education



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University of Virginia Health System and the University of Virginia Karen S. Rheuban Center for Telehealth

# BACKGROUND & PURPOSE

- When using a **telehealth education network to** connect schools of nursing to clinical practice sites using live videoconferencing & telehealth technologies
  - **Nurses should be aware of best practices** for developing and using the network
- The **purpose** of this project was to determine best practices for developing & using technology in a telehealth education network

# METHODS and RESULTS

- **Summative program evaluation using Kettner, Moroney, Martin Program Results Evaluation Model**
- **15 rural or underserved clinical practice sites evaluated**
- **Results revealed 3 Areas for best practice consideration:**



# Clinical Education

- Align technology, nursing practicum goals, and practice site to meet goals and objectives of the telehealth clinical education program
- Form a stakeholder group and define collaborative partners

## Telehealth Experts

- Engineers
- Clinical telehealth experts

## SON Faculty

- Program Director
- Practicum Course Faculty
- Preceptor Coordinator

## Consultants

- Public health
- Preceptorships for free clinics & care of immigrants, refugees, migrants

## Community Partners

- Sites & mentoring
- Experiences & certifications
- Exposes student to new experiences

# Technology

- Aligns with meeting program goals and objectives
  - Enables sustainability

## Choice of Equipment

- Begins with in-person visits to assess sites
- Enables virtual classroom and virtual site visits
- Is feasible & within budget
- Includes medical peripherals
- Affords users to receive hands on skills
- Equipment is used frequently
- Provides protection of PHI



## System Specifics

- Conforms to industry standards
- Standards based
- Provides electronic data security
- Connectivity achieves program goals
- Considers facility barriers
- IT resources at SON & clinical sites
- Observes privacy, laws & regulations

## Videoconferencing

- Conference room
- Mobile cart
- Telehealth exam room
- Mobile box
- Tablet or PC

## Medical peripherals

- Dermatology camera
- Oto/ophthalmoscope
- Digital Stethoscope



# The User

## • Educate students, preceptors and faculty to operate the equipment and to utilize it to meet the goals of the program

- Consider user

- Develop quick start guide

APN SX20 and Cart Calling Instructions



- Provide hands-on skills training
- Employ "2 Minute Check"

- Utilize medical peripherals



# APN-PLACE Telehealth Education Network: Legal and Regulatory Issues in Telehealth Nursing Clinical Education

**APN-PLACE Telehealth Education Network:  
Legal and Regulatory Issues in Telehealth Nursing Clinical Education**

Patty Schweickert DNP, FNP-BC, Karen S. Rheuban, MD; David Cattell-Gordon, MDiv, MSW; Richard L. Rose II, CTC, CWTS; Kathryn Ballenger Reid, PhD, FNP-C, CNL  
Lynn L. Wiles, PhD, MSN, RN, CEN; Karen Reed, MA, CDE; Christianne Nesbitt, DNP, RN, GNP-BC; Tina Haney, DNP, CNS, RN; Carolyn Rutledge, PhD, FNP-BC

**APN-PLACE**

Advanced Practice Nurse Practitioner Link and Clinical Education (APN-PLACE) telehealth education network is a communication system connecting schools of nursing to clinical practices.

Live videoconferencing and medical peripherals connect students in preceptor sites to faculty without burden of travel, increasing efficiency.

Provided preceptor support and enables faculty to connect, observe, and educate students and preceptors.

**SETTINGS/METHODS**

15 rural or underserved clinical practices sites in APN-PLACE were evaluated including:

- Federally Qualified Health Centers
- Free Clinics
- Community Health Centers
- Skilled Nursing & Rehab Facility
- Departments of Health

Summative program evaluation of APN-PLACE using the Kottler, Moroney, Martin Program Results Evaluation Model performed

**Addressing Nursing Preceptor Shortages**

- Background:** There is a critical shortage of Advance Practice Nurse Preceptors to mentor students. Telehealth is a means for providing preceptors with faculty support to address issues inherent in precepting. In order to support preceptors through telehealth, it is imperative that laws and regulations be identified and addressed.
- Problem:** Connecting with preceptors through telehealth is new, thus, there has been little focus on identifying and understanding the laws and regulations that would impact this use of telehealth.
- Using technology in clinical education:** In addressing pertinent laws and regulations, three arenas are identified. These include addressing the laws and regulations that impact: 1) Advanced Practice Nurse Education, 2) Clinical Practice, and 3) Technology.
- Purpose of this Project:** To identify laws and regulations related to the use of a telehealth education network.

**Laws and Regulations Governing Telehealth Nursing Clinical Education**

ARENA 1 Nursing Education	ARENA 2 Practice	ARENA 3 Technology
<ul style="list-style-type: none"> <li>State Boards of Nursing</li> <li>Professional Licensure</li> <li>Licensure Portability</li> <li>Nursing Licensure Compact</li> <li>Masters and Doctoral Education Essentials</li> <li>Specialty Competencies</li> </ul>	<ul style="list-style-type: none"> <li>Nurse Practice Act</li> <li>Health Insurance Portability &amp; Accountability Act</li> <li>Joint Commission Telehealth Standards</li> <li>Medicare Conditions of Participation Standards</li> </ul>	<ul style="list-style-type: none"> <li>Federal Communications Commission</li> <li>Health Information Technology for Economic &amp; Clinical Health Act</li> <li>Food and Drug Administration Guidance on Mobile Medical Apps</li> <li>Stark &amp; Anti-kickback Statutes</li> </ul>

**PROGRAM SCOPE**

- APN-PLACE Program has connected:
- 15 rural and/or underserved clinical practice sites in Virginia
  - 4 FQHCs
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- 26 preceptors educated and engaged
- 88 students precepted
- Uses HIPAA compliant equipment
- Provides opportunity to participate in UVA Project ECHO Vascular Clinic

**Acknowledgements**

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**References**

Ballenger Reid, K. (2015). Telehealth: A means for providing preceptors with faculty support to address issues inherent in precepting. In order to support preceptors through telehealth, it is imperative that laws and regulations be identified and addressed. *Journal of Telehealth and Telecare*, 21(1), 1-5.

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# Addressing Nursing Preceptor Shortages

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- **Background:** There is a critical shortage of Advanced Practice Nurse Preceptors to mentor students. Telehealth is a means for providing preceptors with faculty support to address issues inherent in precepting. In order to support preceptors through telehealth, it is imperative that laws and regulations be identified and addressed.
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# Setting & Method

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- 15 rural and underserved clinical practice sites in APN-PLACE were evaluated
- Summative program evaluation of APN-PLACE using the Kettner, Moroney, Martin Program Results Evaluation Model performed

# Laws and Regulations Governing Nursing Telehealth Clinical Education

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## ***ARENA 1*** **Nursing Education**

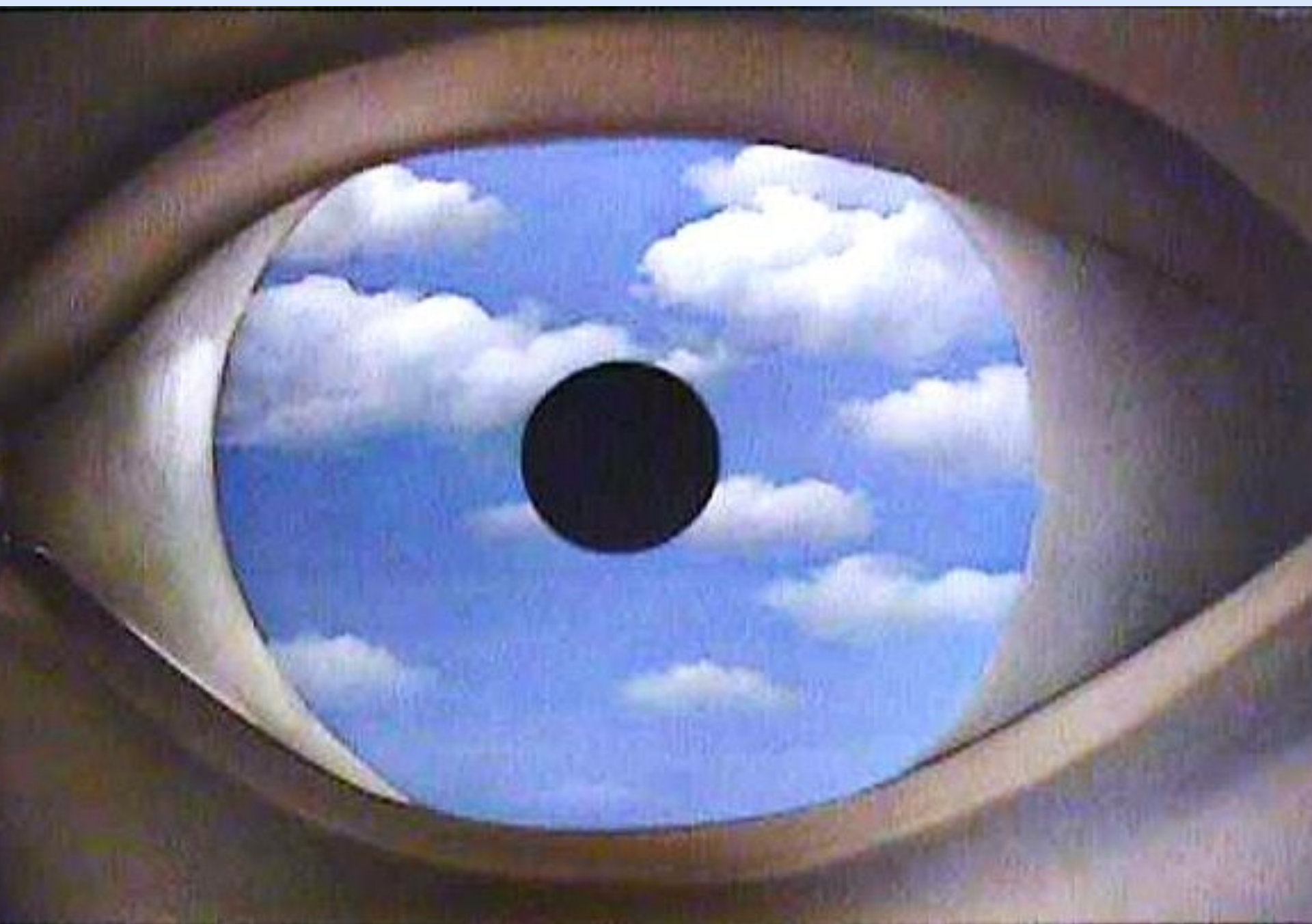
- State Boards of Nursing
- Professional Licensure
- Licensure Portability
- Nursing Licensure Compact
- Masters and Doctoral Education Essentials
- Specialty Competencies

## ***ARENA 2*** **Practice**

- Nurse Practice Act
- Health Insurance Portability & Accountability Act
- Joint Commission Telehealth Standards
- Medicare Conditions of Participation Standards

## ***ARENA 3*** **Technology**

- Federal Communications Commission
- Health Information Technology for Economic & Clinical Health Act
- Food and Drug Administration Guidance on Mobile Medical Apps
- Stark & Anti-kickback Statutes



# Putting It All Together

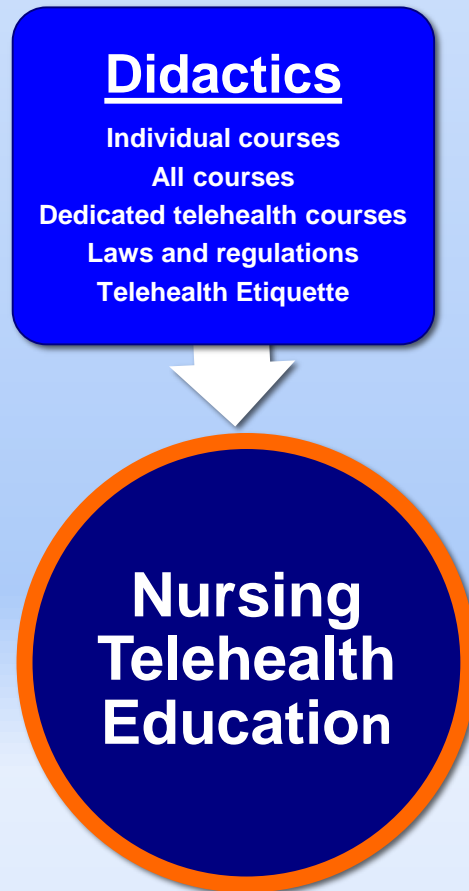
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**Nursing  
Telehealth  
Education**

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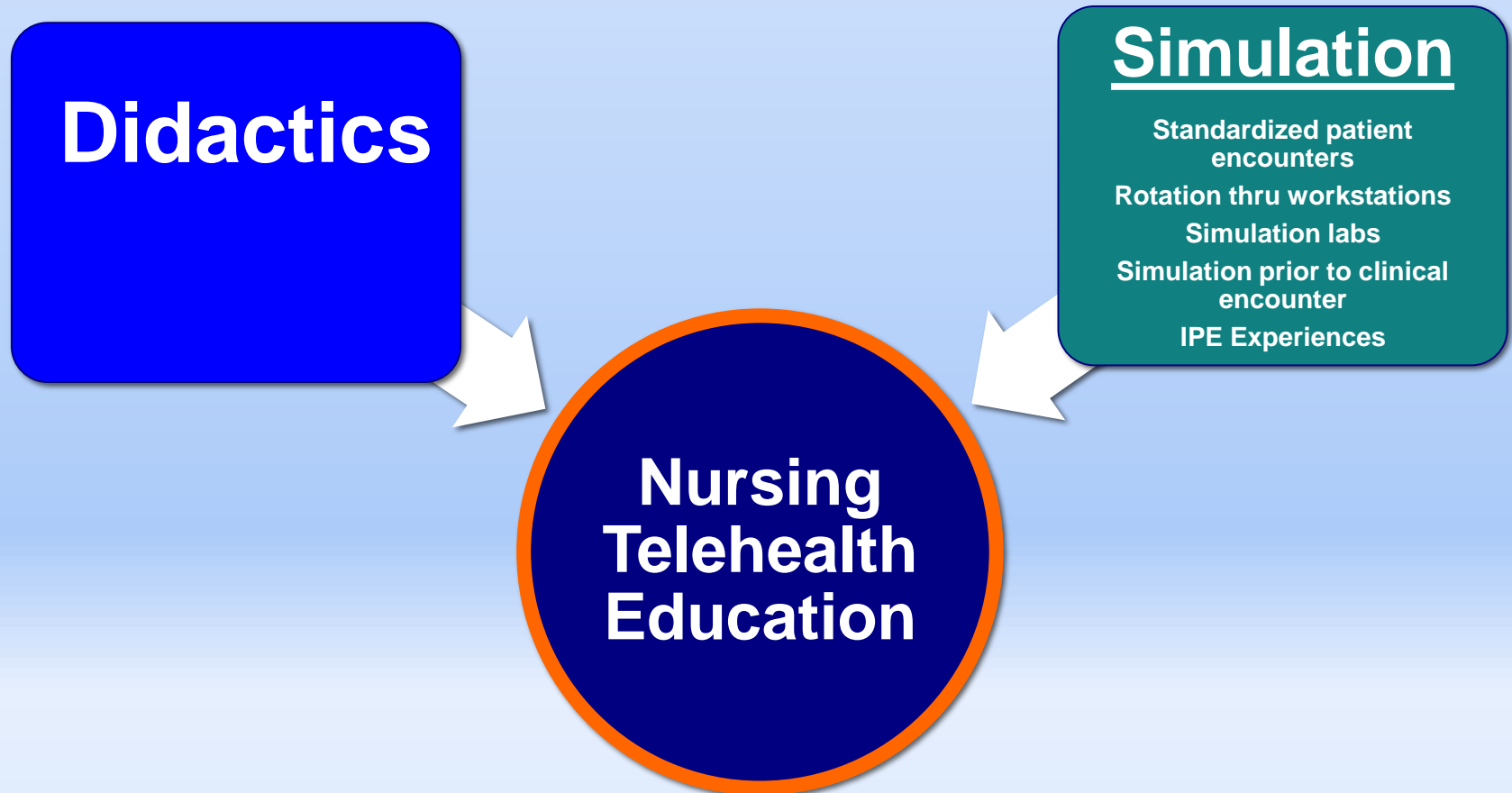
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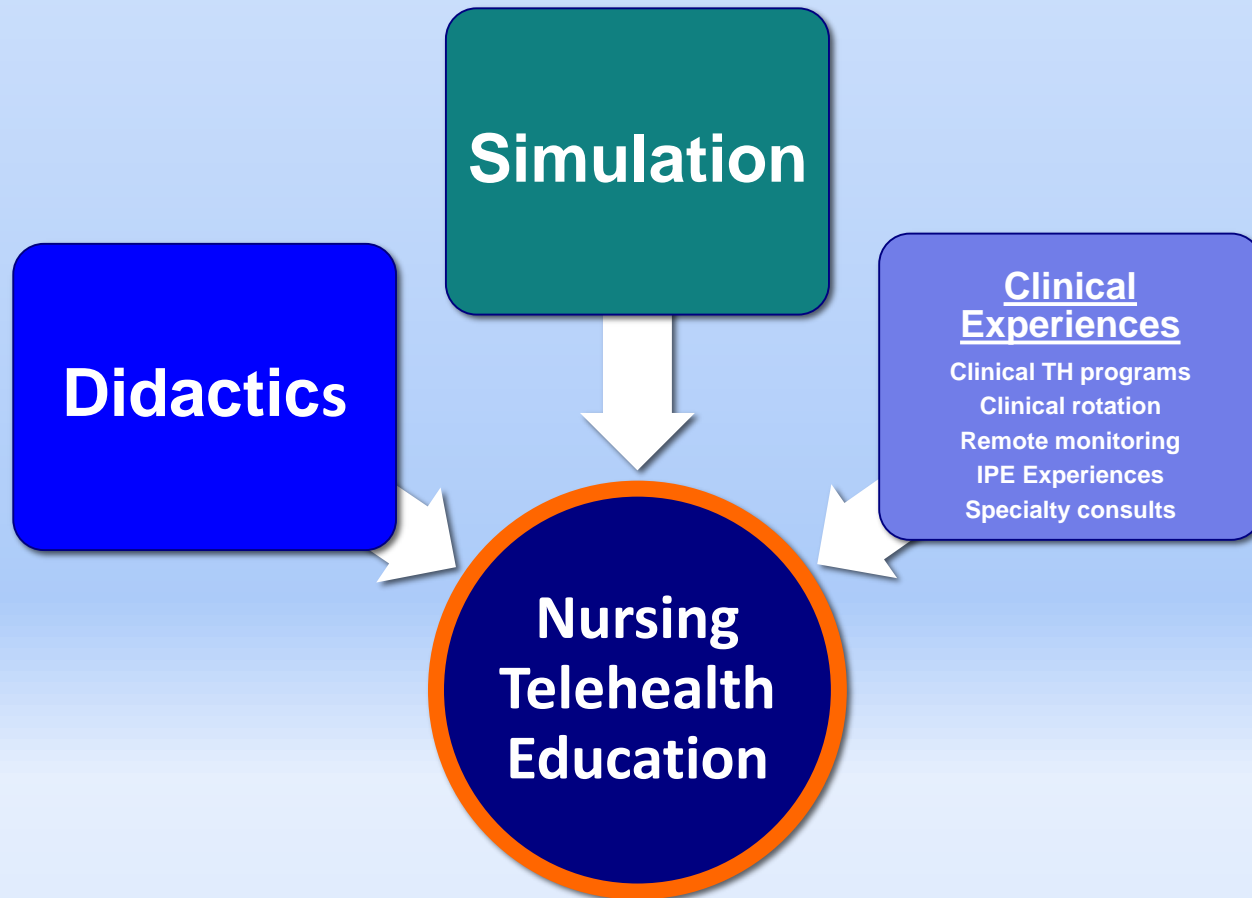
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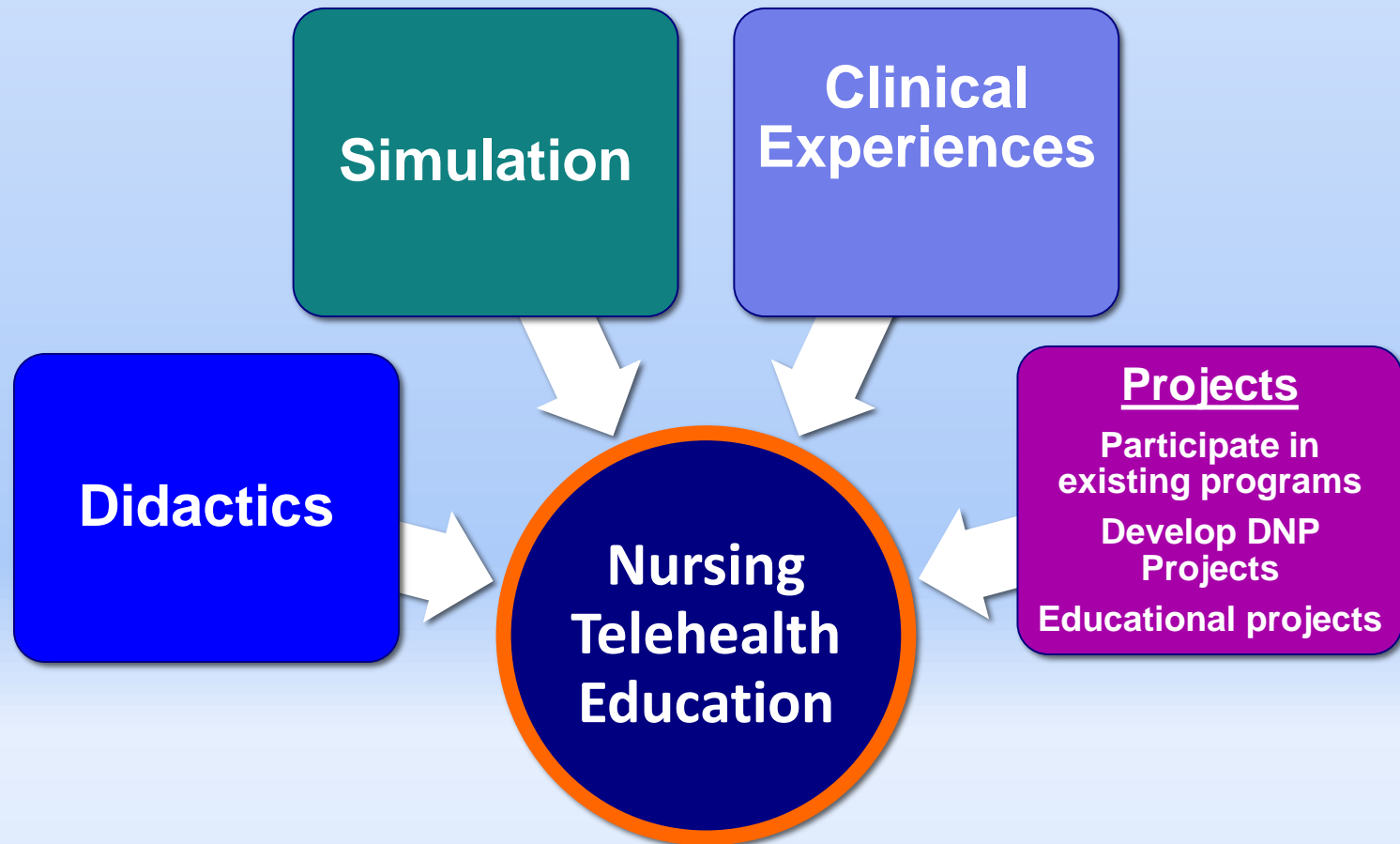
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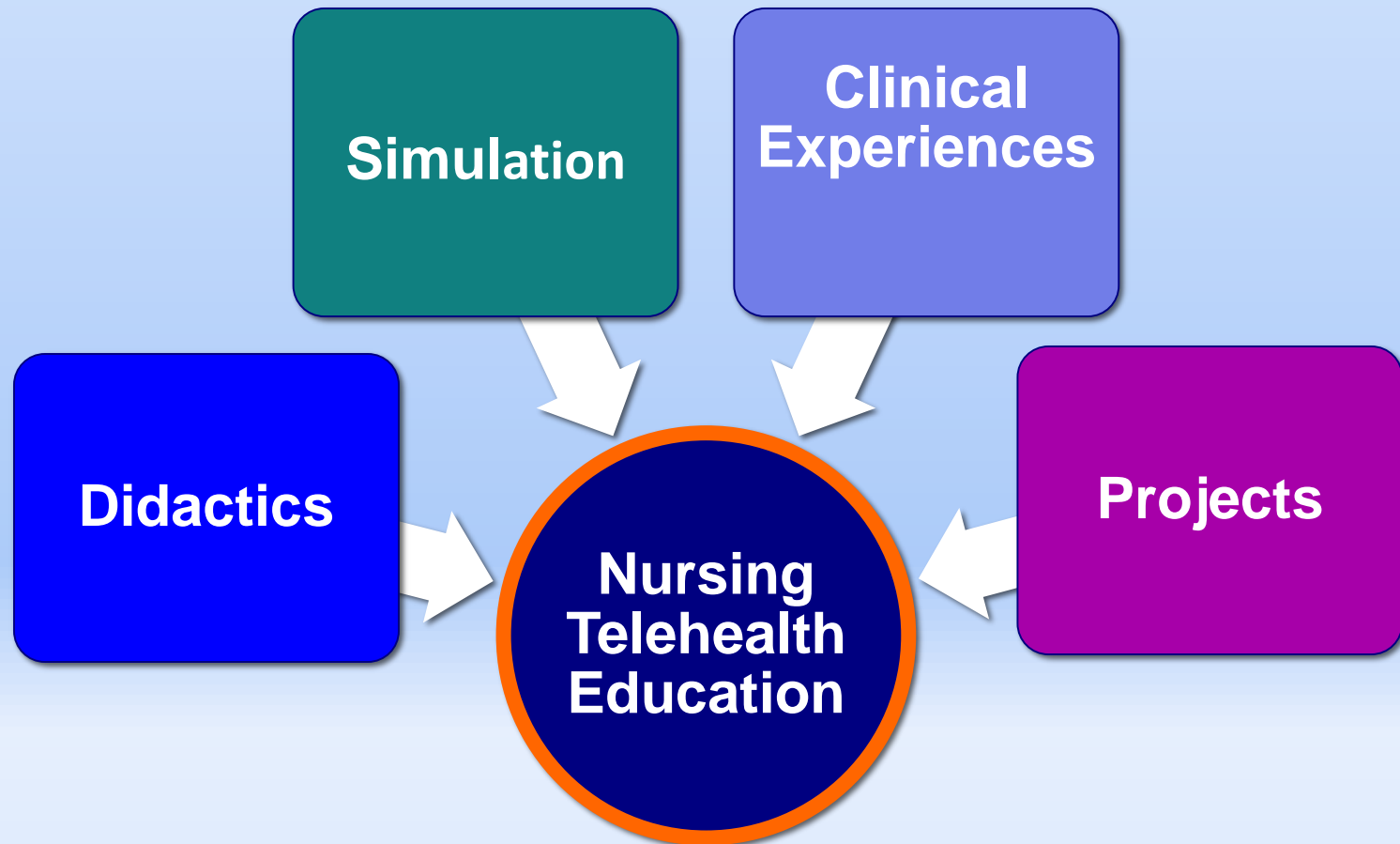
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**Thank you!**