Enhancing Women Veteran’s Health Care through Experiential Learning and Simulation: VA Women’s Health Mini-Residency

Christine Kolehmainen MD, MS  
Director of Education  
Barbara Palmer, ANP-BC  
Deputy Field Director  
Women’s Health Services (WHS)  
Veterans Health Administration (VHA)

Haru Okuda MD, FACEP, FSSH  
Executive Director  
Center for Advanced Medical Learning & Education (CAMLSS)  
University of South Florida Health
Objectives

1. Recognize training as a critical component to caring for increasing numbers of women Veterans are using VA for their health care
2. Review the curriculum development process for continuing professional development
3. Define healthcare simulation-based learning and its applications in healthcare education
Presenters have no disclosures.

1. This continuing education activity is managed and accredited by AffinityCE in collaboration with AMSUS
2. Disclosure will be made when a product is discussed for an unapproved use
3. AffinityCE and AMSUS staff as well as Planners and Reviewers, have no relevant financial or non-financial interests to disclose
4. Commercial Support was not received for this activity
Number of Women Veteran VHA Patients in Each Year, FY00-FY18

Cohort: Women Veteran VHA patients in each year. Women in FY00: N=159,810; Women in FY18: N=510,179.
Source: WHEI Master Database, FY00-FY18
1. Identify Training Requirements
   - Clinical Procedures
   - Patient Safety
   - Team Training
   - Etc.

2. Define the Overall Training Purpose and Establish the Goals
   <training addresses the requirements>

3. Define Learning Objectives
   <specific and measurable; tied to the training goals>

4. Choose Clinical Content
   <clinical scenario that captures learning objectives>

5. Define KSA's
   <knowledge, skills, & attitudes required to complete the scenario>

6. Create Program Evaluation Plan
   <includes metrics and measurement instruments>

7a. Create Simulation Template
   <captures learning objectives, KSAs, key events, triggers, and evaluation metrics>

7b. Create Supporting Modalities Curriculum
   <turns the simulation template into a working simulation supported by selected modalities to achieve the learning objectives>

8. Develop Simulation and Integrate Supporting Curriculum
   Evaluates the simulation and supporting curriculum in practice scenarios to ensure goals are met.

9. Pilot Simulation and Supporting Curriculum
   <test simulation and measurement instruments>

10. Implement Simulation & Conduct Training
    <Train-the-Trainer or actual participants?>

11. Participants use training in the work center
    <transfer training to practice in clinics>

    <has program and participant levels of evaluation>

Team of Subject Matter Experts
Physicians, Nurses, Instructional Designers, Simulation Developers, etc.

Evaluation Report for Stakeholders
<were the goals achieved?>

Legend
Analysis, Design, Development, Implementation, Evaluation and Feedback of simulation-based training
External and internal organization requirements, research, etc., that must be considered by the Subject Matter Experts.

Evaluation of the Training & Transfer to Practice
- Program level
- Participant level

Refine Curriculum & measurement instruments

Developed by Bill Gaught, Ed.D., SimLEARN
Email: william.gaught@va.gov
using Rosen's SMARTEr training model
“Simulation is a technique—not a technology—to replace or amplify real experiences with guided experiences that evoke or replicate substantial aspects of the real world in a fully interactive manner.”

David Gaba MD
Co-Director, Simulation Center at VA Palo Alto Healthcare Ce
Associate Dean for Immersive and Simulation-based Learning, Stanford School of Medicine
Simulator Modalities
Industry Day: PEO STRI

- Army Program Executive Office Simulation, Training and Instrumentation (PEO STRI)

Industry Day
Women’s Health Mini-Residency Core Program Components

- Lectures
- Small Group Case Discussion
- Gynecology Teaching Associates
- Task Trainer Lab/Rotation
Lectures & Small Group Discussions
Task Trainers
Gynecology Teaching Associates

VA Women’s Health Mini Residency GTA

USF HEALTH CAMLS
Center for Advanced Medical Learning and Simulation
Four “Pre-Packaged” Women’s Health Mini-Residency Programs

Mini-Residency for Primary Care Providers
- Lectures
- Small Group Case Discussion
- Gynecology Teaching Associates
- Task Trainers

Mini-Residency for Primary Care Nurses
- Lectures
- Small Group Case Discussion
- Standardized Patients
- Task Trainers

Mini-Residency for Primary Care Providers & Nurses
- Lectures
- Small Group Case Discussion
- Gynecology Teaching Associates
- Task Trainers

Mini-Residency for Emergency Care Providers and Nurses
- Lectures
- Small Group Case Discussion
- Gynecology Teaching Associates
- Task Trainers
Outcomes: Total Trained

<table>
<thead>
<tr>
<th>Category</th>
<th>Total Trained as of September 30, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Care Providers</td>
<td>4,752</td>
</tr>
<tr>
<td>Primary Care Nurses</td>
<td>2,167</td>
</tr>
<tr>
<td>Emergency Care Providers</td>
<td>270</td>
</tr>
<tr>
<td>Emergency Care Nurses</td>
<td>265</td>
</tr>
</tbody>
</table>

7,454
Outcomes: Self-Assessment of Comfort, Sustained Behavior Change and Action Plans

• Statistically significant improved scores in self-assessed comfort in managing women’s health topics

• Reported changed behavior (at 6-months)
  – Enhancing technique for performing or assisting with pelvic exam
  – Modifying approach to pelvic exams for patients with military sexual trauma

• Reported action plan outcomes (at 6 months)
  – Enhancing mechanisms for Pap and mammogram follow up
  – Creating a cart with gynecologic exam supplies that can be moved from room to room
Acknowledgements

- Laurie Veet, MD
- Patricia Hayes, PhD
- Women’s Health Services
- VA Employee Education Services
- Mini-Residency Faculty and Staff
- University of South Florida, CAMLS & Gynecologic Teaching Associates
If you would like to receive continuing education credit for this activity, please visit:

http://amsus.cds.pesgce.com

Hurry,

CE Certificates will only be available for **30 DAYS** after this event!