

# Change that Sticks: Practical Insights for Health Professions Education and Improving Clinical Practice

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Bethesda, Md.

6 November 2025 8:00 a.m. – 9:00 a.m. ET

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#### **Presenters**



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#### Air Force Capt. Sidney Zven, MD

Neonatology Fellow Walter Reed National Military Medical Center Bethesda, Md.



#### Holly Meyer, MS, PhD





- Associate Professor of Health Professions Education (HPE) & Medicine
- Vice Chair for Student Affairs for HPE at the Uniformed Services University (USU)
- Certified executive coach
- Scholar in coaching, advising, & leadership (50+ articles, 50+ international & national presentations)



### Andrea Austin, MD, FACEP, MHPE, CHSE





- Emergency Medicine Program Director, FSU- Pensacola
- Associate Professor, Florida State University
- Prior Navy LCDR
- Former Director of Naval Postgraduate Simulation in Healthcare Certificate
- Changemaking & advocacy in healthcare expert



# Navy Cmdr. James Hawkins, DDS, MS, MEd-HPE



- Chair, TriService Orofacial Pain Center; Navy Specialty Leader (2021–2025)
- Dual board-certified in Orofacial Pain
   & Dental Sleep Medicine
- National leader: AAOP & ABOP boards, Oral Board Examiner, Guidelines Chair
- Award-winning educator, author, and speaker (19 articles, 5 chapters)



#### Air Force Capt. Sidney Zven, MD





- USAF Pediatrician; completing NICU Fellowship at Walter Reed
- Graduate of Uniformed Services University
- Pediatric Residency at Walter Reed
- Former Civil Engineer & Project Manager before medical career
- Dedicated military family with 3 children; spouse is Space Force acquisitions officer



#### **Disclosures**



- Presenters have no relevant financial or non-financial relationship(s) with ineligible companies to disclose.
- The views expressed in this presentation are those of the author and do not necessarily reflect the official policy or position of the Department of Defense, nor the U.S. Government.
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#### **Learning Objectives**



#### Describe

Describe when clinical practice or outcomes signal a need for change.

#### Examine

examine real world examples of successful change initiatives, including temporomandibular disorder curriculum and food insecurity education.

### **Apply**

Apply key lessons to lead change in your own setting.



### **Agenda**



- 1. Overview of Uniformed Services University's (USU) Health Professions Education (HPE) Graduate Program
- 2. Presentations of my esteemed colleagues

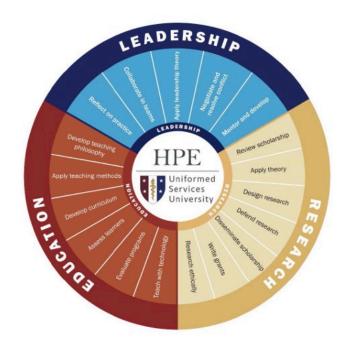
| Developing the next     | Enhancing Operational | Empowering Action: Using an |
|-------------------------|-----------------------|-----------------------------|
| generation of physician | Readiness Through     | Education Video to Combat   |
| change makers           | Temporomandibular     | Military Food Insecurity    |
| Dr. Andrea Austin       | Disorders Education   | Dr. Sidney Zven             |
|                         | Dr. James Hawkins     |                             |
|                         |                       |                             |

3. Share 3 take-aways



#### **Throughline between panelists**





- 1. Why graduate Health Professions Education (HPE matters?
- 2. How USU's graduate HPE program meets this need.



# 1. Why graduate Health Professions Education Matters?





Growing demand for faculty trained beyond their clinical degrees



Accreditation requires expertise in curriculum design, leadership, instruction & assessment



Expands career opportunities for uniformed & federal health professionals



# 2. How USU's graduate HPE program meets this need.





Premier education for leaders in MHS, PHS, VA & beyond

2

Action

Leadership Education Scholarship

3

Result

Graduates are international change makers



# 2. How USU's graduate HPE program meets this need.





Learners: physicians, nurses, dentists, pharmacists, physical therapists, optometrists, and more



Faculty: internationally recognized clinicianeducators & PhD researchers



Faculty achievements: 500+ peer-reviewed articles, \$30M+ research funding, 90+ national/international honors





"Most impactful endeavor of my military career."

"Prepared me for educational research, collaborations, and leadership."

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# Developing the Next Generation of Physician Change Makers

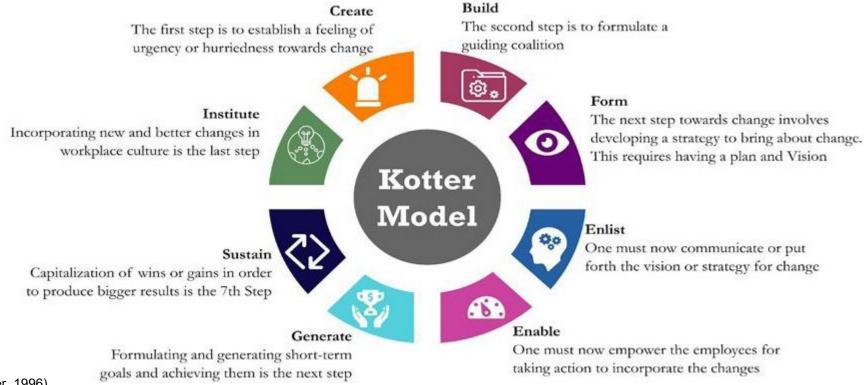
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#### **Kotter Model**





(Kotter, 1996)



# **Challenges with Change**







### **Organizational Change**



## Chris Argyris, PhD (1999) combines:

- Transformative learning
  - Individual factors that change perspectives
- Transformational change
  - Organizational factors



### **Changemaker Definition**

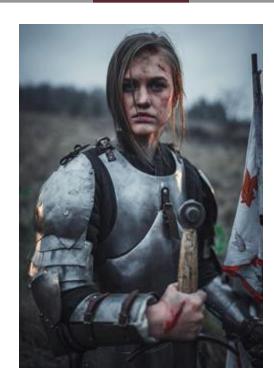


- Someone who is taking creative action to solve a social problem with a tenacity for the greater good
- Intentional
- Motivated to act



# **Courage and Resilience**







# **Moral Injury**







## **Emotional Regulation in Organizations**







# **Reflection is Key**







### Metacognition

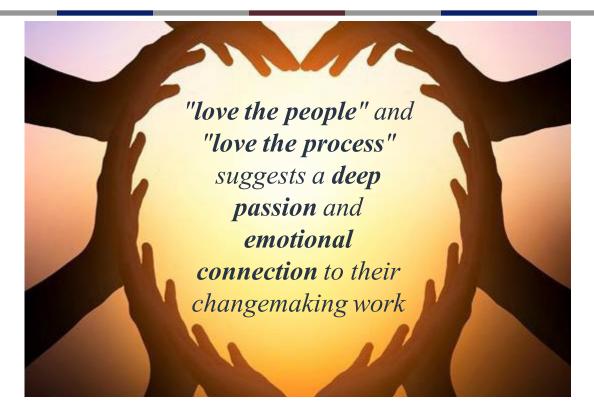


Heightened internal observation, awareness, monitoring, and regulation of our own knowledge, experiences, and emotions by questioning and examining cognition and emotional processes to continually refine and enhance our perspectives and decisions while thoughtfully accounting for context.



#### The Power of Love







## **Changemaking in an Imperfect System**







# **Organizational Actions**



| Theme   | Suggested Organizational Actions to Support Changemaking  |
|---|---|
| Inspiration and Sustainment in Changemaking: Courage and Resilience | <ul> <li>Coaching programs</li> <li>Peer Support</li> <li>Just Culture</li> <li>Promoting the development of diverse networks</li> <li>Sponsorship</li> <li>Appropriate staffing and resources to encourage reasonable workloads, vacations, and rest between scheduled work</li> </ul> |



#### **Next Generation**



Developing the Next Generation of Physician Changemakers: "You Have to Love the People, and Love the Process"







### **Key Takeaways from Dr. Austin**





Individual change is a prerequisite for organizational change



Changemaking is a skill that can be taught



Organizations set the conditions that promote or prevent changemaking



#### References

#### (Developing the Next Generation of Physician Change Makers)



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# **Enhancing Operational Readiness Through Temporomandibular Disorders Education in the MHS**

Navy Cmdr. James Hawkins, DDS, MS, MEd-HPE
Chair, Orofacial Pain Center
Naval Postgraduate Dental School Professor, Postgraduate Dental College
Uniformed Services University of the Health Sciences
Bethesda, Md.







#### **Learning Objectives**



(Enhancing Operational Readiness Through Temporomandibular Disorders Education in the MHS)

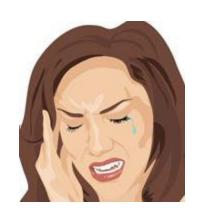
At the end of this presentation, participants will be able to:

- 1. Describe the need for a DoD-wide TMD curriculum
- 2. Implement and evaluate this TMD curriculum
- 3. Discuss lessons learned and impact pearls

# **Problem Statement (1 of 3)**







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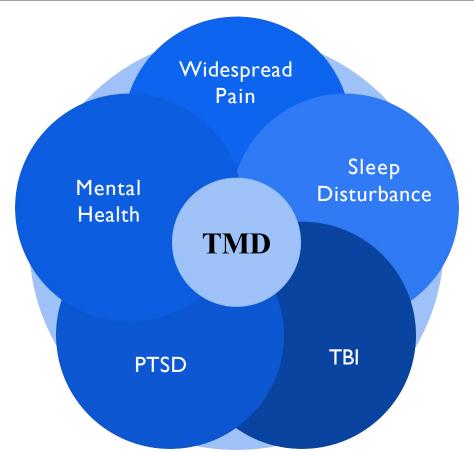
## **Problem Statement (2 of 3)**







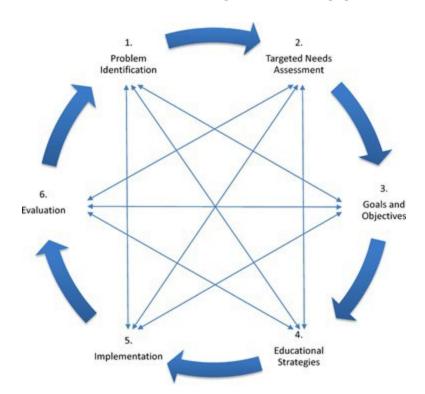
# **Problem Statement (3 of 3)**



(Hawkins et al., 2024)

## **Innovation Design**

#### **Curriculum Development Approach**



(Hawkins et al., 2024)

#### **Project Goals**

Provide initial care clinicians (ICC) with the knowledge skills and assessments to understand, assess, diagnose & manage common TMDs

**Dentist** 

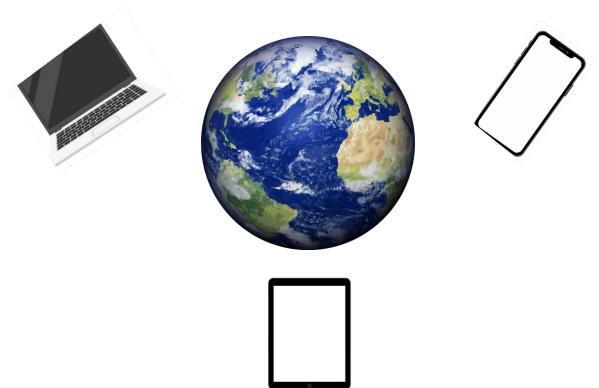
Physician

Nurse

Physician Assistant

Physical Therapist

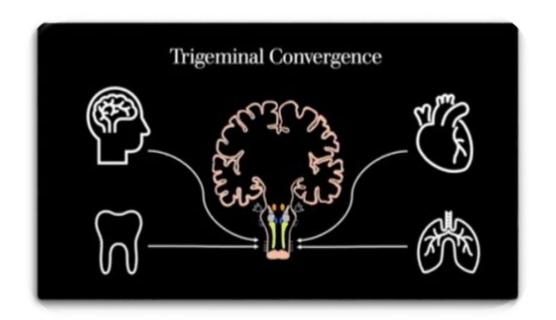
## **Project Goals (continued)**



(Hawkins et al., 2024)

#### **Innovation Technique (1 of 4)**

#### TriService Orofacial Pain Collaboration



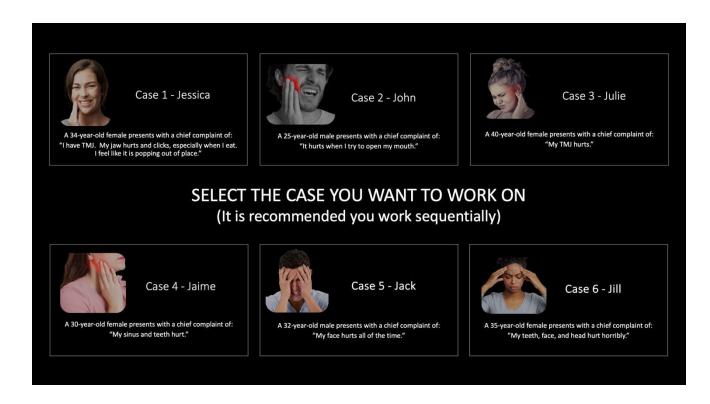
(Hawkins et al., 2024)

## **Innovation Technique (2 of 4)**



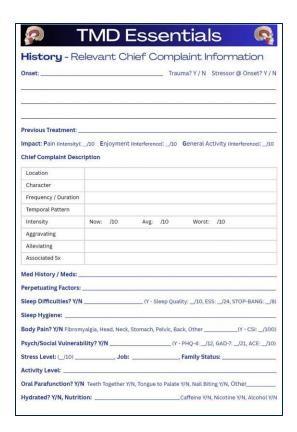
(Military Health System, n.d.)

#### Innovation Technique (3 of 4)



(Military Health System, n.d.)

#### **Innovation Technique (4 of 4)**

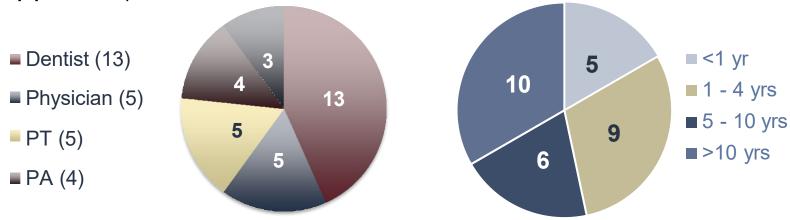






#### **Methods**

Pilot asynchronous implementation with 30 ICCs (IRB approved)



- Pre & post module multiple choice question (MCQ) assessment
- Pre-post retrospective survey

#### **Results Summary**

Significant increase in TMD knowledge across disciplines

Significant increase in TMD perceived competence across disciplines

#### **Military Relevance**



10

MHS

#### **Dissemination**



Defense Health Agency, J-7, Continuing Education Program Office

Temporomandibular Disorders Course for Initial Care Clinicians

https://www.dhaj7-cepo.com/content/jko-dha-us1342-temporomandibular-disorders-course-initial-care-clinicians



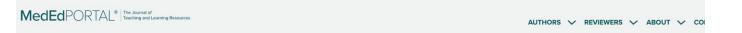
#### **U.S. Department of Veterans Affairs**

Veterans Benefits Administration eBenefits

**JKO:** US-1342;1342-R **TMS:** 131016871

#### **Dissemination (continued)**





OPEN ACCESS | November 19, 2024

#### **Enhancing Temporomandibular Disorders Education for Initial Care Clinicians Through Interprofessional Education**

James Hawkins, DDS, MS, MEd-HPE<sup>1,\*</sup> ≥ 0. Ronald Cervero, PhD<sup>2</sup> 0. Steven J. Durning, MD, PhD<sup>3</sup> 0 Author Information

https://doi.org/10.15766/mep\_2374-8265.11467







#### **Abstract**

Introduction: Temporomandibular disorders (TMDs) are common musculoskeletal pain conditions that can significantly impact daily activities such as eating, talking, breathing, intimacy, and expressing emotion. TMDs are often complex and multifactorial, and many patients experience overlapping pain conditions, sleep difficulties, and mental health challenges. The National Academies of Sciences, Engineering and Medicine (NASEM) has called for improved TMD education and training for health professionals, as current training opportunities are limited. Methods: To prepare health professionals to care for patients who have a TMD, we designed a 5-hour, interactive, module-based curriculum aligned with the 2020 NASEM recommendations. The four-part module set addresses TMD physiology and

APPENDICES REFERENCES RELATED DETAIL **APPENDICES** A. Facilitator Guide.docx B. Learner Guide and Clinical Tools.pdf C. Module 1 - TMD Pathophysiology.pptx D. Module 2 - TMD Assessment.pptx E. Module 3 - TMD Diagnosis.pptx F. Module 4 - TMD Management.pptx G. Sample Patient Education Tools.pptx All appendices are peer reviewed as integral parts of the Original Publication. DOWNLOAD CITATION Hawkins J, Cervero R, Durning SJ. Enhancing Temporomandibular Disorders Education for Initial Care Clinicians Through Interprofessional Education.

MedEdPORTAL. 2024;20:11467.



#### **Next Steps**

TriService PGY-1 implementation & study

- 102 PGY-1 residents took course in AY 24-25
  - 19 PGY-1 programs; 54 dental schools



#### **Lessons Learned - Dr. Hawkins**



Recruit a team of mentors & helpers



Ensure leadership support



Create a timeline with goals



Understand & overcome barriers

#### **Acknowledgements**

(Enhancing Operational Readiness Through Temporomandibular Disorders Education in the MHS)

- CHPE Mentors:
- Dr. Steve Durning
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- USUHS ETI
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- NMCSD VI

- Leadership:
- NPDS (CAPT Marc Stokes)
- PDC (Drs. Fallis and Graver)

Awesome OFP Resident

Team!

#### References

(Enhancing Operational Readiness Through Temporomandibular Disorders Education in the MHS)

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# Empowering Action: Using an Education Video to Combat Military Food Insecurity

Air Force Capt. Sidney Zven, MD

Neonatology Fellow

Walter Reed National Military Medical
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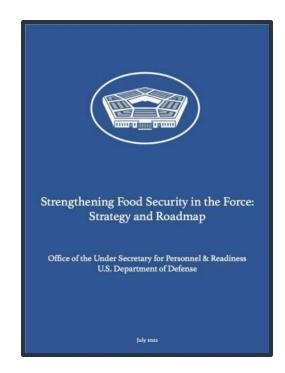
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#### **Background**



- National Average: 10.3%
- Anticipated Military: 0.08-0.1% (SNAP)
- Actual Military: 24%
- Solution: Existing programs vs. new interventions





# **Special Supplemental Nutrition Program for Women, Infants, and Children (WIC)**



- Education
- Nutritious supplemental foods
- Breastfeeding support
- Additional social services and healthcare resources









#### **Review of Literature**



- Since 1975 WIC demonstrates:
  - Lower rates of food insecurity
  - Improved nutrition
  - Improved birth outcomes
  - Lower medical costs
- USDA estimates ~50% of eligible families receive WIC benefits
- Military families thought to experience lower enrollment rates (<1%)</li>





#### **Review of Literature (continued)**



OB/Gyn > Pregnancy

# Mothers in WIC Program Have Better Birth Outcomes, Lower Infant Mortality

 Review highlights need for better evidence about WIC and health outcomes, researchers say

by Amanda D'Ambrosio, Enterprise & Investigative Writer, MedPage Today September 5, 2022

- WIC enrollment during pregnancy has been shown:
  - 23% reduction in likelihood of NICU admissions
  - 29 48% decreased rates of preterm birth
  - 23 36% reduction in low birth weight
  - 22 31% decrease in perinatal death



#### **Work Thus Far**



- Quantitative study at Walter Reed (2021)
- DOD-wide quantitative and qualitative study (2023)
- \$500k+ of grants for implementation at Ft. Campbell (2023 Present)





#### **Problem**



- Military food insecurity rates at record high
- WIC program not optimally utilized
- Military providers are not familiar with eligibility criteria or enrollment process
- Barriers to enrollment: stigma, misinformation, lack of program awareness, logistical challenges



#### Aim



 To develop an educational tool that improves awareness and knowledge while reducing stigma amongst military medical providers.





#### **Methods and Procedures**



- 5-minute educational video developed
  - Explains WIC and available resources
  - Describes eligibility criteria military specific
  - Provides centralized location for military specific tools
- Survey:
  - Baseline comfort and motivation for discussing food insecurity and WIC
  - Knowledge Assessment (Pre/Post)



#### **Methods (continued)**



Educational Videos

#### **Additional Resources**

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Military Income Guidelines









#### **Results**



- 60 respondents completed the entire module
  - Female: 67%
  - 20 civilians, 13 CGO (01-03), 27 FGO (04-06)
  - Located across 12 states



#### **Results (continued)**



#### Barriers:

- 87%: Lack of time during patient encounters as the largest
- barrier to discussing food insecurity
- 62%: Stigma associated with food insecurity
- 57%: Difficulty determining family eligibility for WIC
- 55%: Lack of knowledge about the WIC program
- 47%: Lack of knowledge about food insecurity



## **Results - Impact**



| Topic  | Baseline Likert<br>(1-5) | Post<br>Intervention<br>Likert<br>(1-5) | Interventional<br>Impact |
|--|--------------------------|---|--------------------------|
| Comfort Discussing<br>Food Insecurity            | 3.65                     | 4.19                                    | +0.54                    |
| Comfort Discussing WIC                           | 3.72                     | 4.38                                    | +0.66                    |
| Motivation to Discuss and Assess WIC Eligibility | 3.97                     | 4.41                                    | +0.44                    |
| Applicability of WIC for<br>Military Members     | 4.72                     | 4.95                                    | +0.23                    |
| Knowledge Assessment                             | 1.47/5<br>(Range 0 – 3)  | 3.49/5<br>(Range 2 – 5)                 | +2.02                    |



#### **Significance**



- WIC remains an underutilized resource amongst military members
- Most providers are somewhat comfortable with, and somewhat motivated to discuss food insecurity and WIC
- There is a significant knowledge deficit, likely hindering
- efficacy



#### **Significance (continued)**



- The 5-minute educational video addressed this deficit
  - Improved overall knowledge, comfort, and motivation in
  - discussing food insecurity and WIC
- Barriers to WIC conversations persist for medical providers



#### **Lessons Learned**



- Change is hard ... and takes time!
- Not every problem can be addressed
- Feedback is great
  - Listen to all, implement some





#### **Acknowledgements**



(Empowering Action: Using an Education Video to Combat Military Food Insecurity)

- Lakesha Anderson, PhD
- Holly Meyer, PhD
- Binny Chokshi, MD, MEd
- Brian Graziose, MD
- Rebecca Morgis, MD



#### **Key Takeaways from Dr. Zven**



Change is hard ... and takes time!

Not every problem can be addressed

Feedback is great. Listen to all, implement some



#### References



(Empowering Action: Using an Education Video to Combat Military Food Insecurity)

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### **Cross-cutting Takeaways All Panelists (1 of 3)**



# **Education as Empowerment**

Education shifts perspectives and equips clinicians for better care.

1 of 3





### **Cross-cutting Takeaways All Panelists (2 of 3)**





# Systemic Barriers

Stigma, knowledge gaps, or structural resistance make change difficult.

2 of 3



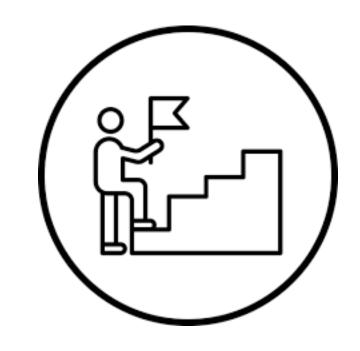
#### **Cross-cutting Takeaways All Panelists (3 of 3)**



# Requires Persistence

Takes time, reflection, collaboration & resilience

3 of 3





#### **Take Action**



# What is one change you can start championing tomorrow?



Interested in learning more about USU's HPE program?

https://chpe.usuhs.edu/





## **Questions**



#### **How to Obtain CE/CME Credit**



### 2025 NOV Clinical Communities Speaker Series: Optimizing Patient-Centered Military-Specific Care

Credits are awarded by session. To claim CE/CME credit for the session(s) you attended, complete each evaluation survey and posttest before the evaluation period ends on **20 November 2025 at 11:59 PM Eastern Time**.

- 1. Visit the registration page at <a href="https://www.dhaj7-cepo.com/content/2025-nov-ccss">https://www.dhaj7-cepo.com/content/2025-nov-ccss</a>. From there, register for the event or log in to your account if already registered.
- Once logged in and registered, on the event page, select "Get Started" (located in the menu below the event title
  on desktop and at the bottom of the page on mobile devices). Note: This tab will not appear unless you are
  registered and logged in to your account.
- 3. Under the "Get Started" tab, scroll down to a session you attended and select "Claim credit."
- 4. Proceed to take the evaluation and posttest to obtain your certificate after the session has ended.

Once you have been awarded credit, you can download your certificate anytime through <u>your account</u>. Any activity you register for but have yet to complete will be available under your <u>pending activities</u> until the evaluation period ends.