

Healthcare Collaboration: Meeting the Challenges of Today & Tomorrow

14 February 2023

CHSR



Uniformed
Services
University

Tracey Perez Koehlmoos PhD, MHA¹, Christopher Shoemaker PhD, MA¹, Bryce Slinger MPH², Ryan Costantino PharmD, MS³

1. Uniformed Services University of the Health Sciences, Bethesda, MD, USA

2. Office of the Assistant Secretary of Defense for Health Affairs ; Falls Church, VA, USA

3. Defense Healthcare Management System Program Executive Office ; Arlington, VA, USA

Disclosures

- The authors have no financial or non-financial conflicts to report. Commercial support was not received for this activity.
- This continuing education activity is managed and accredited by AffinityCE in collaboration with AMSUS. AffinityCE and AMSUS staff as well as Planners and Reviewers, have no relevant financial or non-financial interests to disclose.
- **Disclaimer:** The content of this presentation is the sole responsibility of the author(s) and does not necessarily reflect the views or policies of Uniformed Services University of the Health Sciences (USUHS), the Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF), the Department of Defense (DoD), or the Departments of the Army, Navy, or Air Force. Mention of trade names, commercial products, or organizations does not imply endorsement by the U.S. Government.

Learning Outcomes

At the conclusion of this activity, participants will be able to:

- Describe the inherently collaborative nature of health services research
- Discuss the role of data infrastructures in providing pathways for collaboration toward addressing emerging challenges for the DoD and MHS.
- Consider and identify opportunities for interdisciplinary and cross-site collaboration in their own areas of expertise

How to claim CE/CME Credit for this meeting:

If you registered to receive continuing education credit for this activity,
please visit the following link to complete the post-course evaluations:

amsus.cds.pesgce.com

Interdisciplinary Collaboration: The Center for Health Services Research

14 February 2023

CHSR



Uniformed
Services
University

Tracey Perez Koehlmoos PHD, MHA

Professor & Director

Center for Health Services Research

Uniformed Services University of the Health Sciences, Bethesda, MD, USA

Agenda

- Background
- Education & Training
- Research
- Service & Policy Advising
- Future Directions
- Discussion

BACKGROUND

OSD(HA) & DHA Perspective

- **Critical capability gaps identified by 2014 MHS Review:**
 - =Lack of system-wide health care evidence to support policy & decision making
- **Insufficient health services research capability to analyze MHS data for improving care**
 - Need for a cadre of researchers able to conduct & lead HSR
 - Collaborations with HSR communities across multiple departments & organizations to optimize research opportunities
 - Expand opportunities for knowledge translation to improve policy & practice
- **Goal is to have evidence informed policy & decision making**
- For example, the MHS COVID-19 AAR & the Section 731 MHS Report to Congress both identified the need for Health Services Research to determine the impact of certain policy decision made with respect to the MTFs on the long-term health of the beneficiary population

Mission:

The Center for Health Services Research supports the readiness of America's Warfighter and improved health outcomes for the military community by building capacity throughout the Military Health System (MHS) to conduct health services research that supports MHS goals, DoD's mission, and the national security strategy.

Vision:

By the end of CY2024, the Center for Health Services Research will be an established USU Center and nationally recognized as the leader in MHS Health Services Research. We will produce actionable, outcomes-based policy recommendations and direct support that will improve health outcomes throughout the MHS.

CHSR Strategic Objectives

Education & Training:

- Provide training opportunities for individuals, units & leaders who support military health services research
- Educate graduate students, doctoral candidates, & medical residents on basic & advanced HSR
- Support faculty development in HSR through access to grants, awards, & expertise.

Research:

- Conduct research that measurably supports MHS strategic goals/objectives
- Conduct research that contributes to learning and policy across the MHS
- Expand USU's military HSR capacity through recruiting, training, & developing health services researchers
- Become recognized as the thought leader in military HSR throughout MHS, DoD, and US Healthcare/ research communities.

Direct Support Services:

- Expand CHSR's ability to respond to requirements generated from organizations & units within DoD and the MHS
- Establish enduring relationships with MHS CHSR customers.

Center at a Glance

Management of HSR in the NCR Portfolio

- Readiness & financial impacts of consolidating complex care
- **Low value care in the MHS/EPIC 3.0**
- Evaluation of DoD/VA joint pain education program
- Primary care by remotely supervised medics & corpsmen
- **MiHReC-19**

Direct Research Support to DoD, MHS & DHA

- Intrepid Spirit Center: Future
- Global Burden of Disease (DoD)
- Applying Kotter's 8 Principles to the MHS transformation (OSD)
- Effect of Readiness FTEs on Clinical FTEs
- **Quick answers to priority questions**

HSR Interest Group
100+ members

Funding Intramural Partnerships

- 1st Round Awards: 6
- 2nd Round Awards: 7

Education & Training

- Capturing Costs in Direct Care
- DaVINCI
- Intro to PDE
- MDR
- Transforming BH Pathway

Collaborations

- OSD (HA, CAPE, Strategy)
- DHA J6 & J9
- DoD/VA WH WG
- NIH NICDD & NHLBI
- White House Office of S&T Policy
- Boston University
- UMN
- BWH CSPH

Enabling Expertise

- White House
- CCAC
- GAO
- DHA
- OSD (HA)
- Navy OTSG
- TRICARE Health Plan
- MHS COVID-19 AAR

Development of USU Faculty, Staff & Students

67 Alumni **27** Current Students & Residents



EDUCATION & TRAINING

Students, Residents, & Fellows by the Numbers

Program of Study	In Progress	Alumni
MPH/MHAP	16	26
PhD/DrPH Public Health	5	4
PhD Nursing	1	1
PhD Psychology	3	4
Residents	-	7
Research Fellows	1	18
Medical Students	2	0

50+ publications &
50+ presentations
involving students,
residents, or fellows
since 2016

HSR Capacity Building for Researchers

- Coming Soon! DAVINCI Training May 2023
- Training on the MHS Data Repository (MDR)
 - “Using Military Health System Databases for Health and Costing Research” August 2022
- “Building a System of Care for Behavioral Health in the U.S. Army” April 2022
- Value Based Care Journal Club for MHS decision makers & civilian health sector leaders, weekly since Dec 2019
- Health Services Research Interest Group for ~100 nationwide military, civilian, & private-sector researchers, bimonthly since 2018

RESEARCH

In House Research

Direct Research Support to DoD, MHS, DHA

- Assessing the Health & Trauma System of the Ukraine Multi-Domain Medical Battlefield: Perspectives of Returned Volunteers
- Assessing Mid-Career Female Physician Burnout in the Military Health System: How to find joy in practice after the COVID-19 Pandemic
- Relationship between Race/Ethnicity & Career Outcomes for USUHS School of Medicine Graduates in Mental Health Specialties
- Designing a Knowledge Translation Tool for Women's Health Research in the Military Health System
- Global burden of disease (DoD)
- COVID19 Framework Synthesis of Self-Reported Symptom Trackers
- Framework Synthesis of Racial Disparities in the MHS
- Military-Civilian Partnerships During the COVID-19 Pandemic
- **Quick answers to priority questions for USU, DHA Director, OSD (HA)**

Management of HSR in the NCR Portfolio

- Readiness & financial impacts of consolidating complex care
- Low value care in the NCR/MHS (EPIC 3.0)
- Evaluation of DoD/VA joint pain education program
- Primary care by remotely supervised medics & corpsmen

Low Value Care in the NCR/MHS (EPIC 3.0)

- Re-organization of the original Comparative Effectiveness and Provider Induced Demand Collaboration.
- Secondary analysis of claims data in the MHS Data Repository (MDR)
- Effective vehicle for building cross-service, interdisciplinary collaboration to answer priority questions
- Effective vehicle for introducing students, residents, & researchers to the fundamental principles of Health Services Research
- **Over 100 publications since 2015**
- Bodies of work on opioid usage & prescribing practices, racial disparities, acupuncture, telehealth, cancer screening, & effects of different payment structures
- **Significant translational impact**

Military Health System Response to COVID-19 (MiHReC-19): A Health Services Research Approach to Sustainable Process Improvements

- 15 September 2022 – 14 September 2024
- MiHReC-19 applies 3 interlocking lines of effort:
 - Apply the overall WHO Framework for Health Systems to include a comprehensive & integrated examination of the MHS which will lead to long term recommendations for MHS improvements
 - Conduct a comprehensive approach to examine mid- & long-term impacts to health service delivery innovations & challenges using the framework of the Continuum of Care
 - Apply health services research methods to the MDR to examine population health outcomes impacted by decisions to delay care, & changes in access & utilization of health services
- Partners: Brigham & Women's Hospital's Center for Surgery & Public Health

Fetal Alcohol Spectrum Disorders Prevention (FASD) & Clinical Guidelines Research

- U.S. President's Budget O&M, 1 July 2022 – 30 June 2026
- FASD applies 3 tightly woven lines of effort:
 - Conduct an environmental scan including inventorying & synthesis of existing DoD alcohol use focused programs & of national & DoD clinical practice guidelines
 - Adopt a community needs assessment methodology using qualitative methods to understand the lived experiences & needs of patients, caregivers & diverse interprofessional providers in the Military Health System with respect to prevention & early diagnosis
 - Apply modeling & predictive analytic methods to the MHS Data Repository (MDR) to rigorously examine population health outcomes & risk factors across the FASD continuum of care with the goal of identifying individuals who may benefit from further screening
- Partners: FASD United, Boston University, Madigan Army Medical Center

Knowledge Translation Efforts

Informed National Defense Authorization Act FY22 for reduction of low-value health care services in the MHS	Supported Government Accountability Office study on prenatal & postpartum mental health conditions	Opioid Risk Scoring tool endorsed by American College of Surgeons	Provided input about cessation of obstetric services at low volume military hospital	Sustained opioid use manuscript selected as testable item for American Board of Orthopaedic Surgery 2022 board certification
Health of America's military children adopted into policy briefing for Congress	Informed TRICARE policy for reimbursement for low back pain imaging & vitamin D screening	Supported MHS in response to criticism of low volume surgery at military facilities	Added Women's Health body of work to High Reliability Network Dashboard	Over 100 articles added to Defense Health Agency Value Based Care Library
Used by Marine Corps for MHS Strategy to reduce obesity among active duty service members	Informed new hypertension guidelines for Naval Aircrew readiness at Naval Aerospace Medicine Institute	Duration of opioid use definition recommended as the standard for predicting chronic opioid use	Informed request for Defense Health Board report investigating racial disparities in the MHS	

2022 Year in Review

Center for Health Services Research

Policy Impacts

9

Policy Impacts



Research from CHSR impacted 9 policy decisions

Presentations

22

Presentations



CHSR gave 22 presentations at 3 conferences and 3 invited events

New Projects

5

Major Projects



CHSR oversaw 5 major research projects/programs

Publications

14

Publications



CHSR had 14 articles published/in press

Education

485

Attendees Educated

CHSR educated 485 attendees throughout 2022 at workshops & the bi-monthly HSR Interest Group, which has 122 members

Students

29

Students in Training

- 19 MPH
- 1 MHAP
- 1 DrPH
- 4 PhD Public Health
- 2 PhD Clinical Psychology
- 1 PhD Nursing
- 2 MD

Opportunities for Engagement

- Join the HSR Interest Group
- Sign up for future sponsored trainings found on our website
 - chsr.usuhs.edu
- Support a panel focused on HSR at the 2024 MHSRS
- Let us know YOUR priorities for health & readiness

@CHSR_USU

The CHSR is now on Twitter!

Follow us for information about our ongoing research, upcoming meetings & workshops, & all other things health services research at USU



**Don't forget to check out our website:
www.chsr.usuhs.edu**



CENTER FOR HEALTH SERVICES RESEARCH

Questions

For additional comments or feedback, please contact us:

CHSR PI:

Prof. Tracey Perez Koehlmoos

Tracey.Koehlmoos@usuhs.edu

301-319-4519

Please visit our website:
chsr.usuhs.edu