AUPN VA-Director's Workshop

University Affiliations: Collaboration in Clinical Care, Research and Education

> Co-moderated by: Sharyl Martini, MD, PhD; Executive Director for Neurology Glenn Graham, MD PhD;

Founder-Director VA National TeleStroke Program





Sharyl Martini, MD, PhD Executive Director for Neurology Moderator



Glenn Graham, MD, PhD Founder-Director VA National TeleStroke Program Moderator

Meet Today's Speakers



Charles Brock, MD USF Morsani College of Medicine James A Haley VA Medical Center



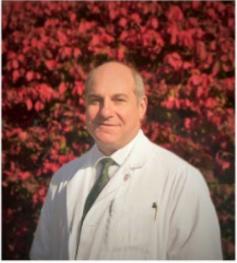
Tom Frontera, MD USF Morsani College of Medicine James A Haley VA Medical Center



Jayne Wilkinson, MD, MSCE University of Pennsylvania Corporal Michael J. Crescenz VA Medical Center



Linda Williams, MD Indiana University Richard Roudebush VA Medical Center



W. Curt LaFrance Jr, MD, MPH Brown University Providence VA Medical Center

Agenda

- Welcome and Introduction
- Clinical Care Presentation

Jayne Wilkinson, MD, MSCE; VA Medical Center, Philadelphia, PA/University of Pennsylvania

Research Mission Presentations

Clinical Research: W. Curt LaFrance Jr, MD, MPH; Providence VA Medical Center/Brown University Health Services Research: Linda Williams, MD; Richard Roudebush VA Medical Center, Indianapolis, IN/Indiana University

Education Mission Presentation

Charles Brock, MD; James A Haley VA Medical Center/University of South Florida Tom Frontera, MD; James A Haley VA Medical Center/University of South Florida



• Q&A

Learning Objectives

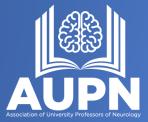
- To be aware of the longstanding investment and commitment that VA has made to telemedicine and other modes of clinical care delivery other than in-person encounters, and why the VA is well suited to implement them.
- To understand the VA research mission and portfolio, especially the VA's unique strengths in conducting health services research and investigator designed and led clinical trials.
- To know what opportunities VA hospitals and clinics provide for the training of medical students, residents, and fellows in neurology and its subspecialties, and how VA-funded residency and fellowship positions are obtained and administered.



Collaborations in Clinical Care VA and University Affiliates

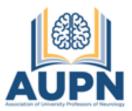
Jayne R. Wilkinson, MD, MSCE

Medical Director, National Tele-Neurology Program (NTNP), VHA Associate Professor of Clinical Neurology, Perelman (Penn) School of Medicine



Background – VA opportunities abound...

- Parkinson's Disease Research, Education and Clinical Center (PADRECC)
- PADRECC Fellowship Program
- Regional Telehealth (TH) program
- Largest RCT for TH and Parkinson's disease / MSCE
- Facility Telehealth Committee
- Chief of Staff office
 - Academic Partnership Committee with Penn
- Penn AC Track Advisory Committee (promotions review)
- National Tele-Neurology Program (NTNP)



What Makes VA Special?

- Largest integrated healthcare system in the country
- Serving 9 million Veterans/year at 1,293 health care facilities, including 171 medical centers and 1,112 outpatient sites
- FY21: 685,000+ neurology patient encounters
- Diverse patient population
- Office of Rural Health
- Quality-driven growth and development

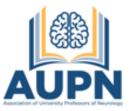


ortunities

Largest Integrated Healthcare System

Clinical Operations are unique and patient-centered

- Single medical license \rightarrow can cross state lines
- Credentialing and privileging allows inter-facility work
- Centralized platforms
 - Scheduling across geography and time-zones
 - Access to medical records across the country
 - Regional nursing call centers 24/7 coverage
 - Secure messaging for online patient access
- Technology advances

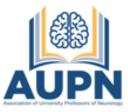


What Makes VA Special?



Telehealth



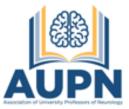




VA Telehealth - *Background*

- VA Telehealth began in 1959 in Nebraska with neuropsychiatric support groups using a 2-way television among 3 VA medical centers
- Countless programs currently
- FY21 served 2,047,000 Veterans 9,952,000 encounters
- VA Video connect Video Telehealth to patients' homes
 - Provide ipads
 - Tech support/test calls
- Telehealth to closer VA facility
 - Clinical telehealth technicians \rightarrow exam facilitation (vitals, exam, questionnaires)
 - Inpatient support: tele-ICU, tele-stroke, tele-rads
- Mobile health remote monitoring
- My VA images: upload photos and videos





Telehealth

Breaking down barriers to <u>ACCESS</u>

- Improve access to care
 - Rural
 - Specialty Care weave a virtual web of providers
 - Reduce travel burden
- Enhance quality
 - Reduced wait times (VHA goals are aggressive: <28 days)
 - Whole Health and patient self-management
 - More data!
- Reduce costs
 - Lower travel costs
 - Improving quality: decrease hospital admissions/readmission
- Remove geographical boundaries
 - Clinical collaborations multidisciplinary care; case conferences, and provider educational programs → engage a patient population you otherwise would not have access to
 - Multisite research collaborations





National Tele-Neurology Program (NTNP) Background

- Problem statement: shortage of neurologists (in/out VA)
- Goal: Increase access to neurological care; recruit into VA
- Funded by the Office of Rural Health (ORH) through their Enterprisewide Initiative (EWI) grant program
- Develop a virtual cohort of physicians and nurses to offer flexible and efficient services to rurally-serving areas
- Began October 2020
- Currently serving 13 medical centers
- Academic affiliated faculty; include trainees





National Tele-Neurology Program (NTNP) Program Overview

General Neurology Services

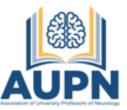
- Outpatient care (consult & f/u): video visit to Veterans' homes or closer VA facilities
- Documentation, orders, Rx in remote Veteran medical record
- Standardized notes/templates, policies/practices

Educational Consultation & Care Coordination

- In-depth educational consultations with nurse care coordinator
- Partnership with National Headache Center of Excellence
- Referral coordination initiatives: hiring PA and RNs staff to help "prepare" consults (obtain records, order tests, develop early rapport with Veteran) prior to visit

Technology integration

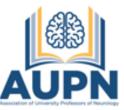
- Development of mobile aps related to neurological disease
- Deployable devices (tele-EEG, movement disorders)



National Level Clinical Programs

- National Tele-Neurology Program (NTNP)
- National Tele-Stroke Program (NTSP)
- Neurology Centers of Excellence (CoE)
 - Epilepsy, Parkinson's Disease, Multiple Sclerosis
- Headache Centers of Excellence
- Tele-Sleep
- Polytrauma program (TBI and spinal cord injury)
- National Tele-Mental Health Center (NTMHC) Neuropsychiatric Programs
 - Psychogenic nonepileptic seizures (PNES) Dr. W. Curt LaFrance (
 - Memory disorders Dr. Andrew Budson
 - Parkinson's disease neuropsychiatry Dr. Dan Weintraub





Administrative Leadership Opportunities

- Academic partnership initiatives
- Locally, regionally and nationally
 - Clinical leadership: Service or Section Chief (akin to Chairperson & Division Chief)
 - Program director for various training programs (both VA and academicallyfunded)
- Policy development
- Neurology Field Advisory Board
- Formal leadership development programs through VHA

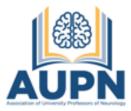


Summary

- VA provides a rich and diverse clinical experience both for faculty and trainees
- Unique opportunities to build new, innovative clinical programs that can marry affiliate and VA interests and goals
- Robust telehealth infrastructure and practices
- Clinical leadership opportunities

Serving those who have served is a most rewarding and fulfilling position

Thank you – Jayne.Wilkinson@va.gov



Clinical Research at the VA

W. Curt LaFrance, Jr., M.D., M.P.H.

Director, Neuropsychiatry and Behavioral Neurology, Rhode Island Hospital Staff Physician, Providence VAMC Tele-Seizures Clinic Lead, VA National Telemental Health Center Professor of Psychiatry and Neurology, Alpert Medical School, Brown University



Value of the VA: Clinician-Researcher Perspective

• Faculty Perspective

- Joint University/VA positions
- VA Merit Review Grants & Full Time Research Positions & Hybrid positions

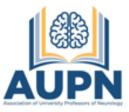
• Funding: Research

- Projects and mechanisms available with VA on a national level
- Grant mechanisms
- Career development
- Non-profit corporations



Research Partnering with VA Centers of Excellence and Programs

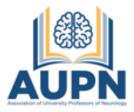
- Joint University/VA positions offer staff additional subspecialty opportunities
 - Locally, or regionally/nationally via Telehealth
 - VA National Telestroke Program
 - VA National TeleNeurology Program
 - VA National Telemental Health Center
 - ALS multidisciplinary clinics
 - VA Epilepsy Centers of Excellence
 - VA Multiple Sclerosis Centers of Excellence
 - VA Parkinson's Disease Research Education & Clinical Centers



Research Partnering with VA Clinics

Specialized clinical & research interests

- Geriatric Neurology
- Polytrauma & TBI Rehabilitation
- Multiple Sclerosis
- Parkinson's Disease
- Spinal Cord Injury Research
- Patient Safety, Health Services Research, Medical Informatics



Partnering with the VA: Research

- Types of research supported include:
 - Clinical Science
 - VA Center for Cooperative Studies infrastructure for multi-center clinical trials
 - Health Services
 - Rehabilitation Services
 - Basic Science
- Mechanisms of grant support for VA faculty (2 examples)
 - Career Development Awards (K equivalent)
 - Merit Awards (R01 equivalent)
 - -Those employed by VA at least 25h/week (5/8ths) are eligible to apply



www.research.va.gov Office of Research & Development Programs

- **CIPHER** Centralized Interactive Phenomics Resource (*EHR-based phenotypes*)
- **MVP** Million Veteran Program (*genes, lifestyle, military exposures*)
- VA SHIELD Science and Health Initiative to Combat Inf. Diseases (ID repository)
- NAII National Institute of Artificial Intelligence (big data repositories R&D)
- NPPO Nonprofit Program Office (oversight for VA-affiliated research corps.)
- **TTP** Technology Transfer Program (commercialization of VA inventions)
- BBB Biorepository Brain Bank (human CNS tissue bank and health info)
- **CSP** Cooperative Studies Program
- **ARP** Animal Research Program (*research to improve medical care*)



VA Grant Services

HSR&D Health Services (accessible, high quality, cost-effective care for Vets & US) https://www.hsrd.research.va.gov/for researchers/awards/hsrd awards/ CSR&D Clinical Science (moving translational science to clinical application) https://www.research.va.gov/services/csrd/default.cfm RR&D Rehabilitation (maximize functional independence, QOL, and participation) https://www.rehab.research.va.gov/

BLR&D Biomedical Laboratory (*preclinical research, molecular, genomic, physio*)

https://www.research.va.gov/services/blrd/default.cfm

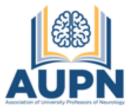


VA Career Development Award (CDA)

https://www.research.va.gov/funding/cdp.cfm

open to clinicians and non-clinicians

- CDA-1 entry-level (Only RR&D)
- CDA-2 mid-level program (3-5 years) (supported by all 4 Services)
- CDEA enhancement, senior VA scientists (6 months) to learn new research skills



Department of Defense Grants

(Congressionally Directed Medical Research Program)

- CDMRP <u>https://cdmrp.army.mil/researchprograms</u>
- Melanoma
- **TBIPHRP** Traumatic Brain Injury and Psychological Health
- ERP Epilepsy Research Program
- Substance Abuse, ALS, Pain, GWI, Cancer, Ortho, SCI, Vision,
- Clinical Trial Award
- Focused Program Award

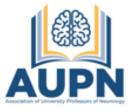


Grant submissions

VA Office of Research Administration (ORA) or via Non-Profit Corporations (NPCs) (e.g., OSRI)

For funding info:

Call ACOS for Research; look for seed grants from 4 VA Services, NPCs, VISN, local sites.



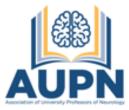
Case Study

- Brown University Rhode Island Hospital Providence VAMC
- VA ECOE & VA NTMHC
- Single and Multi-site studies
- VA Mind-Brain Program



Summary: Clinical Research VA-University Partnership

- Faculty Research perspective
- Subspecialty
- Clinical Partnerships
- 4 Services
- CDAs
- DoD
- Case example



VA Health Services Research:

Opportunities for University-VA collaboration

Linda S. Williams, MD

Neurologist and VA Joint Commission Primary Stroke Center Director, RVAMC Senior Investigator, VA HSR&D Center for Health Information and Communication Professor of Neurology, Indiana University School of Medicine Research Scientist, Regenstrief Institute, Inc.

Indianapolis, IN







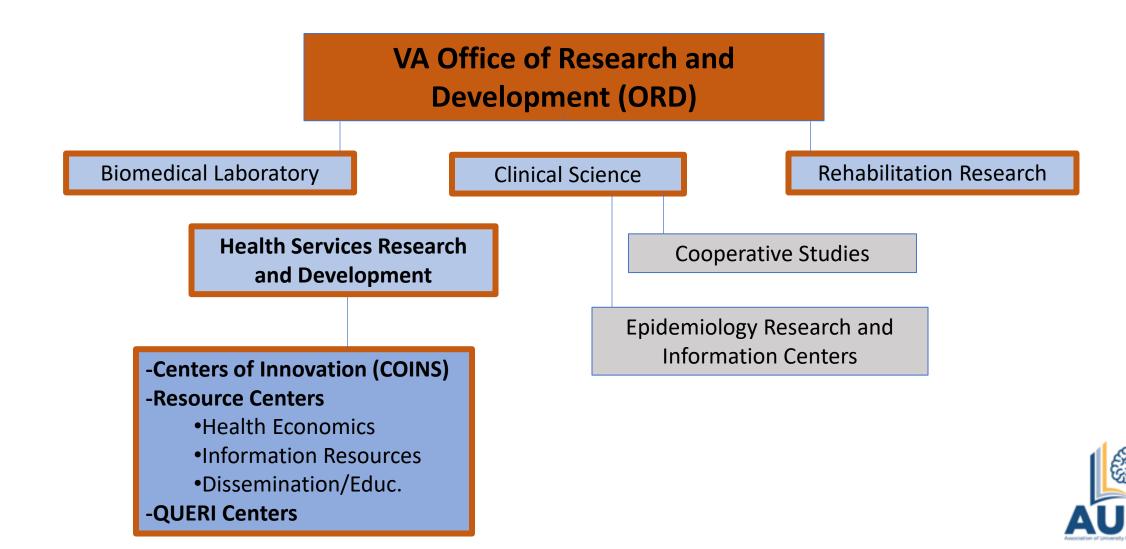
Overview

- What is Health Services Research (HSR) and VA HSR&D?
- What VA HSR programs may be near me?
 - HSR&D Centers of Innovation
 - HSR&D Resource Centers
 - Quality Enhancement Research Initiative (QUERI) Centers
- How might university trainees or faculty collaborate with researchers in VA HSR&D?
 - Student/resident research examples
 - Post-doctoral fellowships
 - Junior faculty examples



VA Research Organization

www.research.va.gov



What is VA HSR&D

• HSR definition:

- A multidisciplinary field examining access, costs, quality, and outcomes of health care
- <u>Mixed methods</u>:
 - Quantitative, qualitative
 - Wide range of study designs from observational to randomized trials
 - Increasing focus on implementation science
- VA HSR&D mission:

Identify and evaluate innovative strategies that lead to accessible, high quality, costeffective care for Veterans and the nation



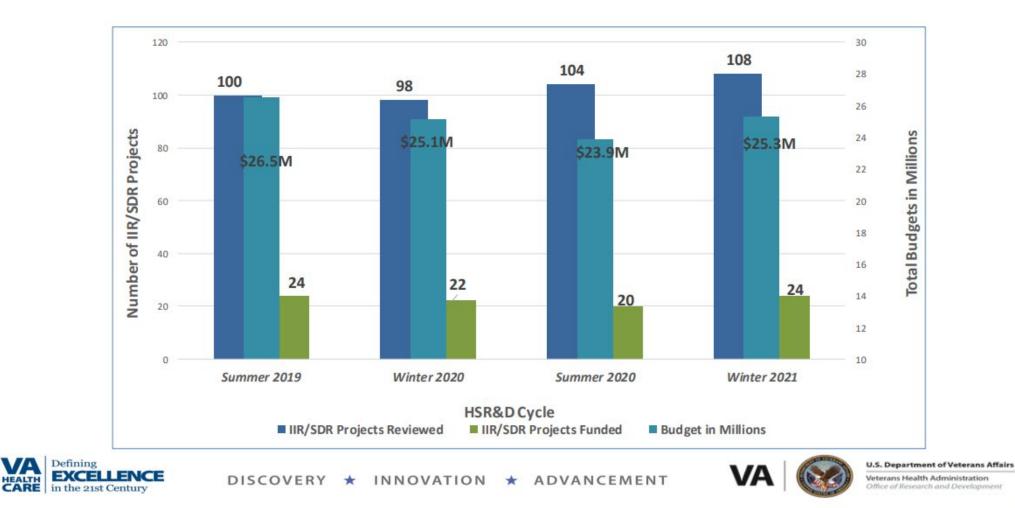




Applications Reviewed and Funded By Cycle

VA

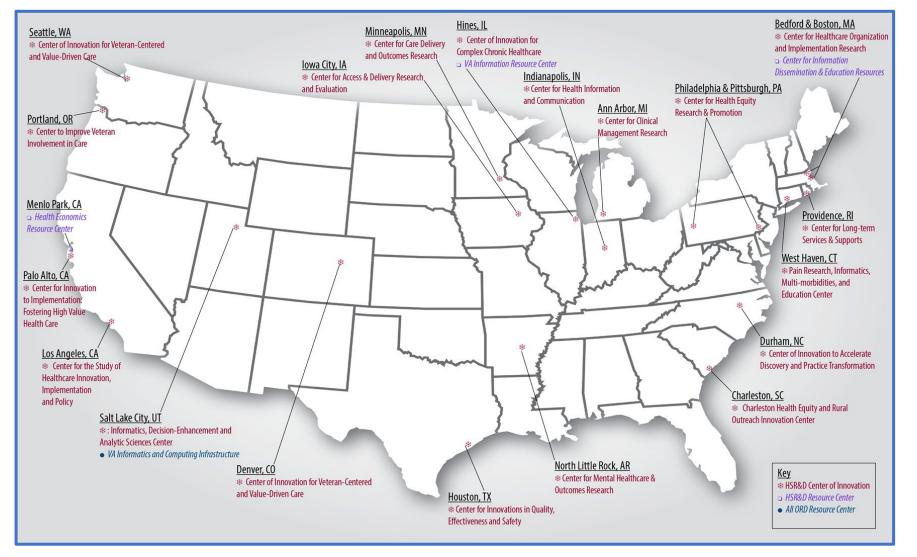
HEALTH





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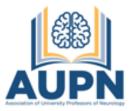
VA HSR&D Programs 1: Centers of Innovation (COINS)





COIN Structures and Resources

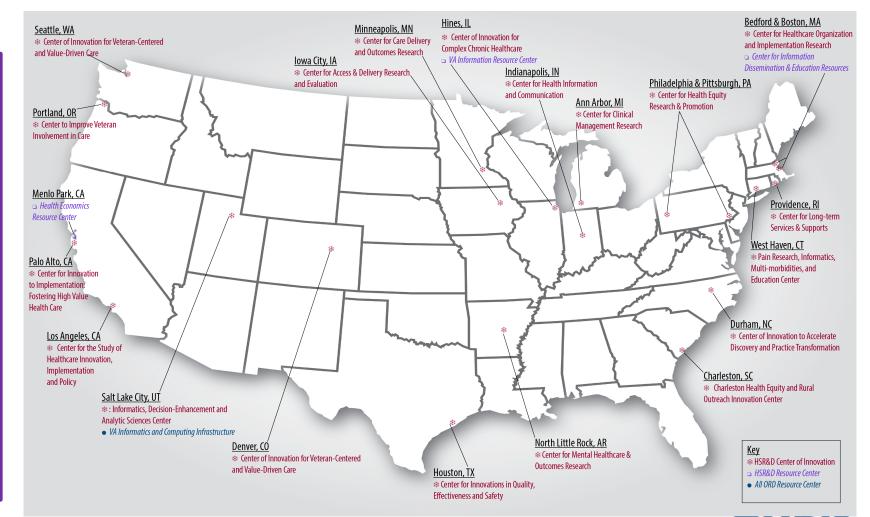
- Pool of experienced MD and PhD researchers
- Typically work in multiple clinical and methodologic areas somewhat organized around a broad theme
 - Indianapolis: Center for Health Information and Communication
 - Informatics, Human factors, Quality of Care, Health care communication
 - Pain, Cancer, Stroke/Vascular disease, Serious Mental Illness
- Formal post-doctoral fellowships (for PhDs or MDs)
- Opportunities for student/trainee collaborations
 - Student hiring
 - "Without Compensation" (WOC) status to engage in research projects



VA HSR&D Programs 2: Resource Centers

3 Resource Centers:

- Center for Information
 Dissemination and
 Education Resources
 (CIDER)—Boston
- Health Economics Resource Center (HERC)– Palo Alto
- VA Information Resource Center (VIREC)--Chicago



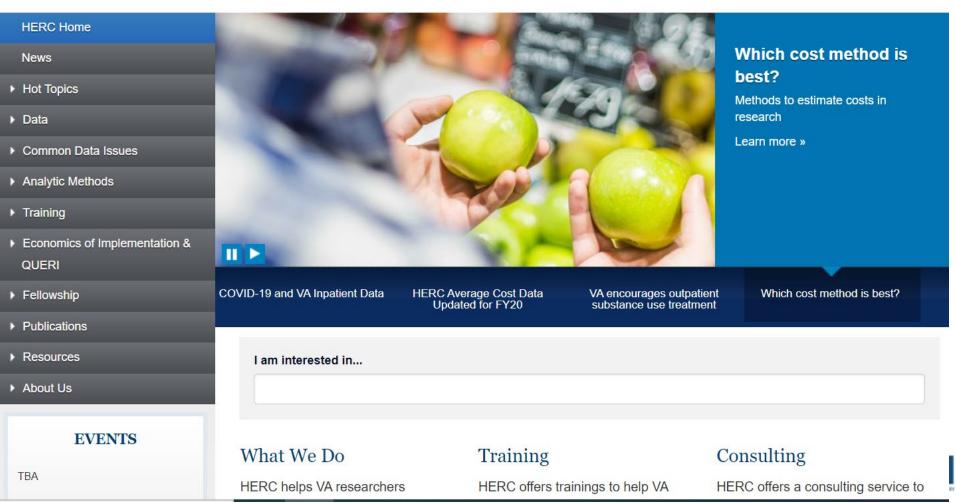
Health Economics Resource Center

HERC » Home

- Data and methods guidance for VA cost studies
- Consultation on research and operational projects
- Health
 economics
 training
 seminars

Health Economics Resource Center (HERC)

www.herc.research.va.gov.



HERC Seminar Series are available to anyone

Cost-Effectiveness Analysis	effectiveness analysis and budget impact analysis as applied to health services and medicine.						
Seminar Series	Schedule and registration details: The next Cost Effectiveness Analysis with VA Data seminar series will take place in 202						
Econometrics Seminar Series	Links to slides and videos from previous seminars are included below.						
HERC Seminars	Looking for the Econometrics Seminar Series? »						
VA Data Bootcamp							
 Economics of Implementation & QUERI 	2020 Cost-Effectiveness Analysis with VA Data Seminar Series January 21, 2020						
▶ Fellowship	Recommendations for the Conduct of Cost-Effectiveness Analysis from the Second Panel on Cost-Effectiveness Analysis in Health and Medicine						
Publications	Doug Owens, M.D., M.S. Slides and video						
▶ Resources	This presentation will summarize the main recommendations about how to design and conduct a cost-effectiveness analysis based on guidelines from the Second Panel on Cost-Effectiveness in Health and Medicine, released in the fall of						
▶ About Us	2016. In a major change from prior recommendations, the Second Panel recommends the use of two perspective cost-effectiveness analysis: the health care sector perspective and the societal perspective, including education a criminal justice systems. To aid in transparency, the Panel also recommends the use of public protocols that outlin an analysis will be conducted.						

January 29, 2020 An Overview of Decision Analysis Liam Rose, Ph.D. | <u>Slides and vided</u>

This lecture provides an introduction to the field of decision analysis. Topics include: why to engage in decision analysis; the difference between cost-effectiveness analysis, cost-utility analysis, cost-benefit analysis, and budget impact analysis; and the different ways to operationalize a decision analysis (modeling versus measurement alongside a clinical trial). This lecture is aimed at providing a general, high-level overview of the field.

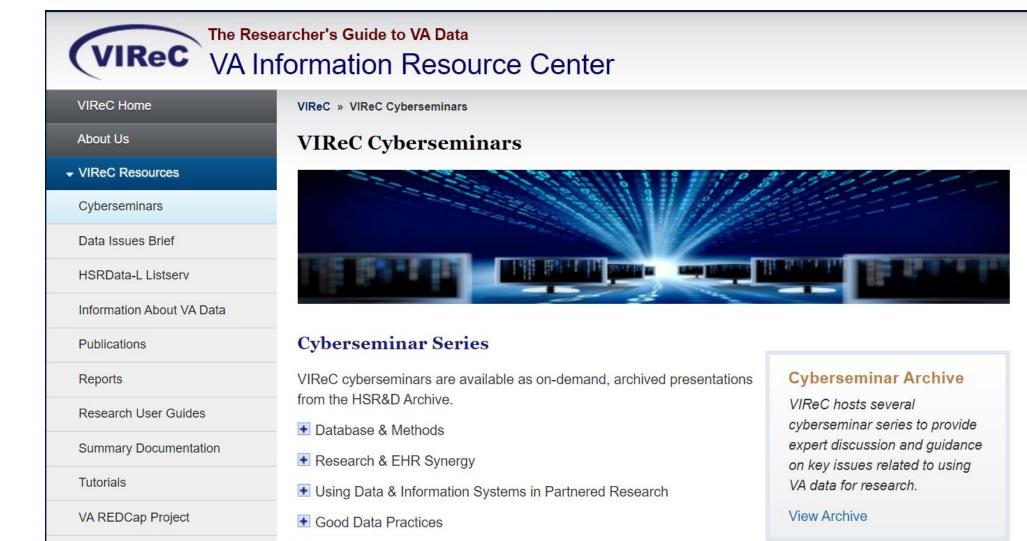
VA Information Resource Center

- Advance

 capacity to use
 VA data
 effectively for
 research and
 quality
 improvement
- Create and disseminate knowledge about VA data
- Educate and support VA data users



VIREC Cyberseminars are available to anyone



VA HSR&D Programs 3: QUERI Centers

Over 40 Centers with Diverse Expertise

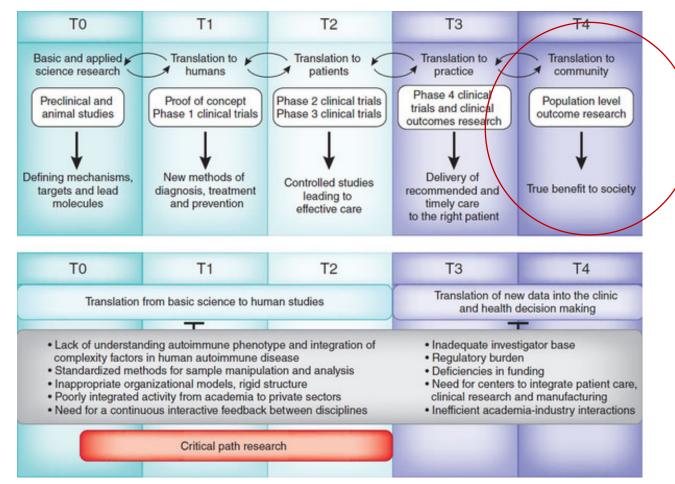








Where QUERI fits into Translational Research models



QUERI studies the methods of implementing efficacious interventions in the VHA healthcare system, what factors influence implementation, and how implementation impacts Veterans, the healthcare system, and population health



QUERI Resource Center: Center for Implementation and Evaluation Resources

- Support the use & dissemination of implementation and evaluation methods
- Consultation to VA operational leaders and researchers
- Training resources and seminars

QUERI » CEIR » Implementation and Evaluation Resources https://www.queri.research.va.gov/ceir QUERI – Quality Enhancement Research Initiative					
QUERI Home Mission	Implementation and Evaluation Resources				
 QUERI News Training and Resources 	<i>Promoting the use of implementation methods to optimize system improvement efforts</i>	RESOURCES			
Training Opportunities Implementation and Evaluation Resources	QUERI's Center for Evaluation and Implementation Resources (CEIR) strives to be VA's centralized resource for implementation science and quality improvement methods.	QUERI Implementation Roadmap Guide for planning, deploying, and sustaining effective			
Learning Collaboratives Economic Evaluation Resources	CEIR provides time-sensitive consultation and support to help VA policymakers, managers, providers, and researchers scale-up and	 practices <u>Learning Collaboratives</u> and Seminars for 			
Clinical Evidence and Data Resources	spread promising innovations and effective policies, programs, and practices. <u>Learn More</u> 🛃 .	 sharing best practices Implementation Strategy Training 			
Policy EvidenceFunding and PartnershipOpportunities	If you are a VA employee interested in learning more about implementation and quality improvement methods, contact CEIR (<u>ceir@va.gov</u>) for a free consultation	Resources describing education and training opportunities in			

QUERI Center Structures and Resources

- Organized within HSR&D but funded by clinical \$\$
- Focus on implementation science
- Projects around a theme that all are studying the implementation of an evidence-based practice(s)
- Required mentoring program
 - Goal: train more implementation scientists
 - Focus: fellows and junior faculty
- May provide training in quality improvement or LEAN methodologies



Indianapolis QUERI Example



Expanding Expertise Through E-health Network Development VA QUALITY ENHANCEMENT RESEARCH INITIATIVE

QUERI requirements:

- Implement strongly evidence-based practices
 - Evidence for the intervention from VA studies
 - Documented quality gap
- Implementation activities in at least 15 facilities
- Projects must be considered QI (not require research approvals)
- Include mentoring in implementation methods to junior investigators/fellows



EXTEND QUERI Portfolio of Projects

Project	Evidence-based practice	Setting/PI		
TeleGRACE	Coordinated, home-based geriatric care	VHA Indiana (local) <i>Dawn Bravata, MD</i>		
TeleNEUROLOGY	Outpatient post-stroke management e-consult	VHA National <i>Linda Williams, MD</i>		
TelePAIN	Collaborative pain management in primary care	VISN (Regional) <i>Alan McGuire, PhD</i>		

Anticipated EXTEND Impacts:

1. Expand Veteran <u>access</u> to evidence-based care via <u>telehealth</u> services;

2. Identify and apply effective models of telehealth that directly improve the quality of VA care; and

3. Maintain evidence-based telehealth practices over time in VA care settings through effective sustainment strategies

Quality improvement/operational (non-research) projects can be high quality and publishable

National Telestroke Progran Figure 2. Plot of odds ratios for transfer post-implementation overall and by facility and stroke center designation

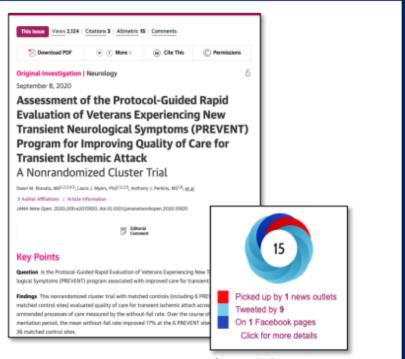
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Quality Improvement Intervention Improves Outcomes for Veterans with New Ischemic Stroke Symptoms

CITATION: Bravata D, Myers L, Perkins A, et al. <u>Assessment of the</u> <u>Protocol-Guided Rapid Evaluation of Veterans Experiencing New</u> <u>Transient Neurological Symptoms (PREVENT) Program for Improving</u> <u>Quality of Care for Transient Ischemic Attack</u>. *JAMA Network Open*. September 8, 2020;3(9):e2015920.



Altmetric Score Data

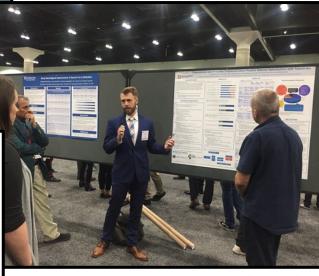


Logarithmic Scale

Ways to collaborate with VA HSR&D

- <u>Students/trainees</u>:
 - Example: IU CTSI has a summer research program that funds medical student participation on a research team (clinical or basic science)
 - <u>Example</u>: Resident research project analyzing secondary dataset







Ways to collaborate with VA HSR&D

• Fellows/junior faculty:

HSR post-doctoral fellowships

 Can offer the possibility of a second research year to patients applying for a 1-year clinical ACGME fellowship (e.g. Vascular Neurology)

Early career mentoring

- QUERI programs have formal mentoring for people interested in implementation and quality improvement
- University programs may build mentoring programs that involve HSR faculty
 - <u>Example</u>: IU Department of Medicine ASPIRE program
 - Targeted to academic junior faculty in <u>non-research</u> track to gain research experience as part of career development
 - Small mentor stipend, data/statistics support for trainees

Development and Validation of a 30-Day In-hospital Mortality Model Among Seriously III Transferred Patients: a Retrospective Cohort Study

Neetu Mahendraker, M. D, CHCQM^{1,2}, Mindy Flanagan, PhD³, Jose Azar, M. D^{2,4}, and Linda S. Williams, M. D^{3,5,6}

Department of Medicine, Division of General Internal Medicine and Geriatrics, Indiana University School of Medicine, Indianapolis, IN, USA; "Indiana University Health Physicians Inc., Indianapolis, IN, USA; "Regenstrief Institute, Inc., Indianapolis, IN, USA; "Department of Medicine, Division of Hematology and Oncology, Indiana University School of Medicine, Indianapolis, IN, USA; "Roudebuth VAMC HSR8D, Indianapolis, IN, USA; "Department of Neurology, Indiana University School of Medicine, Indianapolis, IN, USA.

BACKGROUND: Predicting the risk of in-hospital mortality on admission is challenging but essential for risk stratfication of patient outcomes and designing an appropriate plan-of-care, especially among transferred patients. OBJECTUPE: Develop a model that uses administrative and clinical data within 24 h of transfer to predict 30-day in-hospital mortality at an Academic Health Center (AHC).

DESIGN: Retrospective cohort study. We used 30 putative variables in a multiple logistic regression model in the full data set (n = 10, 389) to identify 20 candidate variables obtained from the electronic medical record [EMR] within 24 h of admission that were associated with 30-day in-hospital mortality (p < 0.05). These 20 variables were tested using multiple logistic regression and area under the curve (AUC)-receiver operating characteristics (ROC) analysis to identify an optimal risk threshold score in a randomly split derivation sample (n = 5194) which was then examined in the validation sample (n = 5195).

PARTICIPANTS: Ten thousand three hundred eightynine patients greater than 18 years transferred to the Indiana University (IU)-Adult Academic Health Center (AHC) between 1/1/2016 and 12/31/2017. MAIN MEASURES: Sensitivity sensitive needle.

MAIN MEASURES: Sensitivity, specificity, positive predictive value, C-statistic, and risk threshold score of the model.

KEY RESULTS: The final model was strongly discriminative (*C*-statistic = 0.90) and had a good fit (Hosmer-Lemeshow goodness-of-fit test [X^2 (8) =6.26, p=0.62]). The -2.19 that had a maximum sensitivity (79.87%) and specificity (85.24%) in the derivation and validation sample (sensitivity: 75.00%, specificity: 85.71%). In the validation sample, 34.40% (354/1029) of the patients above this threshold died compared to only 2.83% (118/4166) deaths below this threshold. COMPULEYM: Table model one use EMP and administra.

CONCLUSION: This model can use EMR and administrative data within 24 h of transfer to predict the risk of 30day in-hospital mortality with reasonable accuracy among seriously ill transferred patients.

KEY WORDS: mortality prediction model; in-hospital mortality; serious illness; serious illness communication; risk stratification; clinical decision-making.

J Gen Intern Med 36(8):2244-50 DOI: 10.1007/s11606-021-06593-z © Society of General Internal Medicine 2021

INTRODUCTION

Identifying patients with serious illness and predicting the risk of in-hospital mortality is challenging.¹⁻⁴ especially among a diverse group of patients transferred between facilities for a higher level of care. Early assessment of serious illness and risk of mortality is essential for risk-adjustment for benchmarking³ and designing an appropriate plan-of-care including early conversations about patient outcomes and goals of care.³ ⁴ Transfer patients are known to be sicker, use more resources, and heura-enterpatients.⁴⁰ Than enter molitable more gen

Finding active HSR&D projects and RFAs

Veterans Benefits and Health Care C About VA C Find a VA Location C HSR&D Home » Research » HSR&D Research Studies and Implementation Projects HSR&D Home HSR&D Home HSR&D Home HSR&D Home HSR&D Home HSR&D Research Studies and Implementation Projects HSR&D Home HSR&D Home HSR&D Research Studies and Implementation Projects HSR&D Home HSR&D Research Studies and Implementation Projects HSR&D Home HSR&D Home HSR&D Research Studies and Implementation HSR&D Home HSR&D Research Studies and Implementation HSR&D Home HSR&D Research Studies and Implementation Figure 4: 128 HSR&D Projects found for search on "stroke". 128 HSR&D Projects found for search on "stroke".	
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HSR&D Home About Us New Projects Current Completed DRA DRE Portfolios/Projects Centers Career Develop About Us COVID-19 Efforts Search Results for "stroke" About Us Research Impacts & Awards Search again: stroke go	
HSR&D Home > About Us > About Us > About Us > COVID-19 Efforts > COVID-19 Efforts > Research Impacts & Awards > Research Impacts & Awards	
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COVID 40 Effects 128 HSR&D Projects found for search on "stroke"	
COVID-19 Efforts Projects Projects	
	column names to sort
Centers and Research Networks PROJECT NO. TITLE	FUNDING END
Research Topics NOTE: data kept current with daily downloads Cyberseminars IIR 16-211 Addressing Sleep Apnea Post-Stroke (ASAP) Sico, Jason	2024-03-31
✓ Career Development Program IIR 15-117 Spanish Online & Telephone Intervention for Caregivers of Veterans with Stroke Freytes, Ivett	2023-09-30
For Managers For Managers Hayward, Rodney	2022-06-30
CDP Home Search Projects: For Researchers CDA 18-327 Race/ethnic differences in guideline recommended hypertension medications in VHA Mohanty, Apr	2022-03-31
About IIR 14-306 De-Intensifying Unnecessary Medications in VA CLC Thorpe, Carol	yn 2021-06-30
Guidelines and Resources C19 20-217 Effectiveness of telehealth to adequately manage ACSC Winchester, such as admission for congestive heart failure (CHF) David	2021-04-30
IIR 11-343 Utilizing the RESCUE Stroke Caregiver Website to Uphold, Enhance Enhance Displayer	2021-03-31
Projects Browse studies and projects sorted by: Includes Includes Enhance of setucing Planning Constance News Features Multimedia News Features Multimedia IIIR 14-083 Balaesing Risks and Benefits Min, Lillian	

https://www.hsrd.research.va.gov/research/

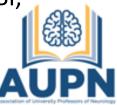


HSR&D RFAs are only on VA intranet



Learn about your local resources

- Is there a VA HSR or QUERI Center at your affiliated VA?
 - Look at their website—what research do they do? What training programs do they offer?
 - Ask to meet to talk about shared research interests and possible collaborations
- Talk to your local VA Associate Chief of Staff for Research (ACOS-Research) about what type of neurology-relevant research is happening at the facility and how university faculty can get involved
- Help VA Neurology service work with facility leadership to see winwin in putting clinical researchers in VA Neurology positions
 - Build on VA needs, especially when there are operational foci and funds: Headache/TBI, ALS, Stroke



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VA-University Affiliations: Collaboration in Education

Alfred (Tom) Frontera, M.D. Director, Epilepsy Center of Excellence Deputy Chief, Neurology Section, James A. Haley Veterans' Hospital (Tampa, FL) Associate Professor, Vice Chair, Program Director, Dept. of Neurology University of South Florida Morsani College of Medicine

Topics for Discussion:

- VA's Health Education History
- OAA's Educational Impact and Recent Statistics
- Administrative Structure
- Unique Benefits of Training at the VA
- How to Obtain VA-funded Residency/Fellowship Positions



Office of Academic Affiliations (OAA)

• Mission:

"To Educate for VA and for the Nation" in partnership with our Affiliates."

• 1946 VA Policy Memorandum No. 2:

– mandates that "VA assist in training of health professionals for its own needs and those of the nation."

 The VA's partnership with the country's medical and associated health professions schools has grown into the most comprehensive academic health system partnership in history...



How successful is the program?

Official 7 Year Statistics (Paid and WOC):*							
FY2013 FY2014 FY2015 FY2016 AY2017** AY2018** AY2							
Advanced Fellows	253	311	387	452	303	652	664
Associated Health	26,121	26,445	26,135	26,932	25,428	25,370	24,895
Dental Residents & Students	1,397	1,398	986	1,044	849	773	732
Physician Residents	40,420	41,698	43,013	43,768	44,333	45,296	45,363
Medical Students	21,541	23,037	24,283	25,707	24,763	24,643	26,894
Nursing Trainees	29,067	28,088	28,389	28,845	27,549	23,815	25,194
Non-Health Profession	N/A	368	359	463	412	341	448
Grand Total	118,799	121,345	123,552	127,211	123,637	120,890	124,190

*NOTE: *Data collected through the OAA Annual Health Services Training Report completed by each VA facility at the end of each academic year (VA training academic year runs from July 1 through June 30). **Methodology changed in 2017 data from a Fiscal Year (FY) to an Academic Year (AY) frame. This results in more accurate data collection and avoids double-counting of trainees.



National Impact:

- VA program collaborates with 97% of US Medical Schools:
 - 149 of 155 LCME-accredited medical schools
 - 37 of 37 DO schools
- Training Programs are available at 154 (90%) of VA facilities
- > 40 other health professions represented by affiliations with > 1800 colleges/universities
- 20,000 trainees from Minority Serving Institution
- % who had VA training prior to employment:
 - 65% of all US trained physicians (70% of VA physicians)
 - 50% of US psychologists (70% of VA psychologists)



Medical & Dental Trainee Positions Nationwide:

• 120,890 total trainees AY 2018*

- 71,687 Medical & Dental Total Trainees
- Physician Residents 45,296
- Medical Students 24,643
- Dental Residents/Students 1,748
- Overall Trainee Satisfaction 93%
- Willingness to work at the VA 73%



Clinical Training Budget – No Small Thing

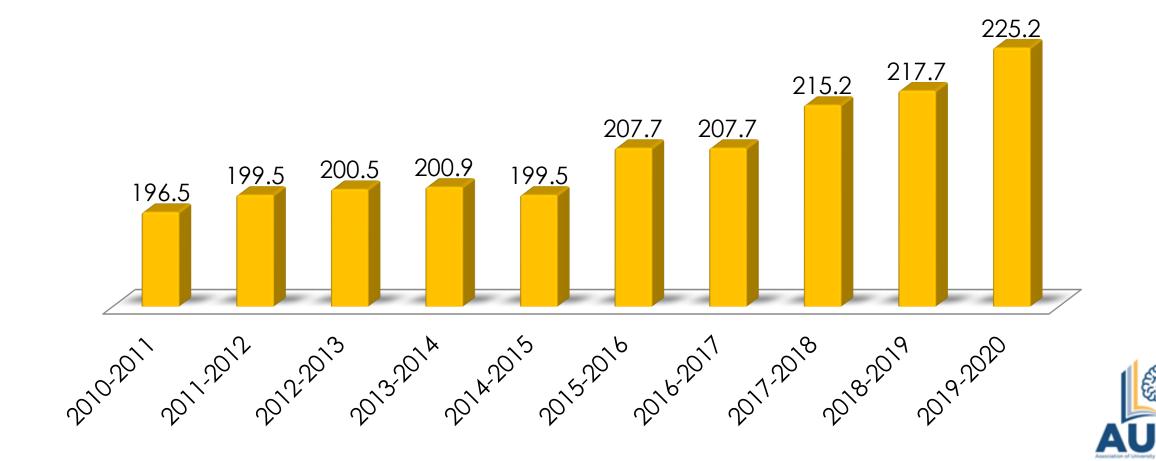
Education & Training Total

Includes Veterans Choice Act Sec. 801 and Veterans Choice Program (dollars in thousands)

	2018		20	2020			
	2017	Budget	Approved	Advance	Revised	Advance	
Description	Actual Estimate		Budget	Approp.	Request	Approp.	
Obligations [Total]	\$2,118,345	\$1,920,756	\$2,071,918	\$1,999,009	\$2,028,040	\$2,163,137	
Education & Training Support	\$1,208,609	\$935,378	\$986,000	\$973,188	\$994,815	\$1,074,681	
Education & Training Trainees	\$230,857	\$229,299	\$279,921	\$210,623	\$232,250	\$251,111	
Graduate Medical Education Trainees	\$678,879	\$756,079	\$805,997	\$815,198	\$800,975	\$837,345	

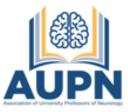


Tampa VA Resident/Fellow Allocations Funded by OAA:



Tampa VA Neurology Positions:

- Neurology Residency: 14 FTE's (out of 32 total FTE's)
- Clinical Neurophysiology Fellowship: 2 FTE's
- Pain Management: 2 FTE's



OAA Sponsored Advanced Fellowships:

https://www.va.gov/oaa/

Advanced Fellowship Programs

Addiction Treatment

 Advanced Geriatrics American Board of Medical Specialties Visiting

Scholars (ABMS)

•Big Data-Scientist Training Enhancement Program (BD-STEP)

Geriatric Neurology

•Health and Aging Policy Fellows Program •Health Services Research and Development Health Professions Education Evaluation and Research Health Systems Engineering

Medical Informatics

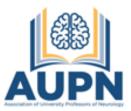
•Mental Illness Research & Treatment (MIRECC)

 Multiple Sclerosis National Clinician Scholars Program Parkinson's Disease Patient Safety •Polytrauma and Traumatic Brain Injury **Rehabilitation** •Psychiatric Research and Neurosciences •Psychosocial Rehabilitation and Recovery **Oriented Services** •Quality Scholars Clinical Simulation Spinal Cord Injury Research •War Related and Unexplained Illness •Women's Health



Associated Health Professional Training:

- "Associated Health" includes all clinical health professions with the exception of Medicine, Dentistry, and Nursing
- Over 40 Associated Health professions train in VA
 - For all clinical trainees, approximately 127,000 rotate through VA annually
 - Approximately 25,000 are AHE trainees
 - ~85% are without compensation (WOC)
- 17 funded AHE disciplines
 - AY 18 just over 4,900 stipends
 - \$139 million



Associated Health Funded Programs:

Audiology	Blind Rehabilitation	Chiropractic Care	Clinical Pastoral Education	Dietetics
Licensed Professional Mental Health Counselors	Marriage and Family Therapists	Occupational Therapy	Optometry	Pharmacy
Physical Therapy	Physician Assistants	Podiatry	Prosthetics/ Orthotics	Psychology
Social Work	Speech Pathology			



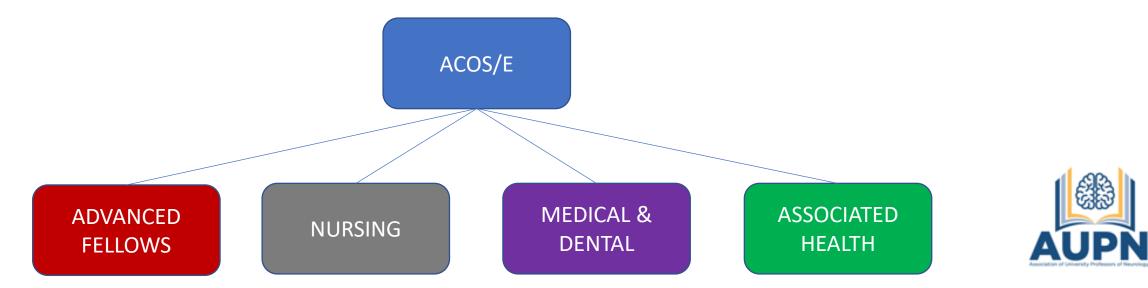
DESIGNATED INSTITUTIONAL OFFICER (DIO):

- Authority and responsibility for the oversight and administration of the sponsoring institution's ACGME accredited programs and is responsible for ensuring <u>compliance w/ACGME institutional requirements</u>
- Signs all program info and forms submitted by PD's that address program citations or request changes in the programs that would have an impact on the education program or institution.



DESIGNATED EDUCATION OFFICER (DEO):

- <u>VHA Handbook 1400.05</u>: Designated Education Officer. The Designated Education Officer (DEO) is the single, designated VA employee who has oversight responsibility for <u>all health professions training</u> at a VA medical facility.
- At VA Facilities this is the ACOS/Education



PROGRAM DIRECTOR:

- <u>Ensures quality</u> of the overall education and training program in a given discipline and for ensuring that the program is in <u>compliance</u> with the policies of the accrediting bodies.
 - Maintenance, evaluation, and improvement of a specific education and training program
 - Program Operations and logistics, educational objectives and curriculum development
 - Evaluation methodologies and mechanics, and relationships with accrediting agencies and certifying bodies
 - May be VA or Affiliate paid (or combination)
 - In GME this is the person noted on the ACGME/AOA documentation



VA SITE DIRECTORS:

<u>Ensures</u> supervising practitioners are appropriately fulfilling their responsibilities to provide <u>supervision of residents</u>

- Ensures evaluations are conducted
- Ensures Residents/Fellows function within their graduated levels of responsibility
- Structures training programs w/Program Director Communication
- MTT is completed and up to date
- In GME often the person with daily responsibilities regarding resident activity tracking



Opportunities & Benefits of VA Collaborations:

• Exposure to the Nation's largest Integrated Healthcare System.

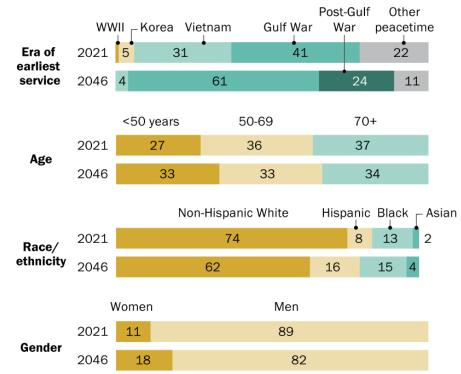
Opportunity to care for patients across the spectrum of care:
 -acute, subacute and chronic patient care settings (and often follow the same patients through these transitions of care)

- Unique Patient Populations (TBI, Polytrauma, Spinal Cord Injury)
- Diverse Patient Population (in terms of ethnicity, religion, age, race and more and more in terms of gender).



Looking forward at the changing profile of U.S. veterans

% of U.S. veterans by ...



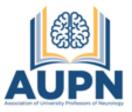
Note: The VA categorizes Post-Gulf War as peacetime. Veterans who served for multiple eras are included in the earliest era only. Data for Black and Asian veterans includes Hispanics. Hispanics are of any race. Other races not shown. Projections are based on estimates of current veteran population and active-duty military personnel and incorporate estimates of future military separations. Reservists who did not serve on active duty are not included in these projections unless they were disabled during training.

Source: Department of Veterans Affairs Veteran Population Projection Model 2018.

PEW RESEARCH CENTER

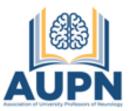
Opportunities and Benefits of VA Collaborations:

- Exposure to National Subspecialty Centers of Excellence (ECoE's, PADREC's, MSCoE, HACoE, Polytrauma Centers, ALS Multi-disciplinary clinics)
- Opportunities to work in Multi-Disciplinary teams (note extensive Associated Health Professional Training Programs at VA)
- Support Joint VA/University Faculty Positions
 - More time to devote to teaching activities c/w University Affiliates
 - Includes support for PD and Clerkship Director lines



Opportunities and Benefits of VA Collaborations:

- Unique Training Opportunities
 - QI/QA/Patient Safety Projects (ACGME requirements)
 - QI/QA Patient Safety Fellowships
 - Simulation Training
 - Exposure to Tele-Health
 - Clinical Research Opportunities
 - Lean Management Training (available to trainees and staff)



• Special Thanks to Dr. David Whitaker, Tampa VA ACOS-Education, for providing some of the data slides.



Approach to Maximizing GME opportunities

Charles Brock, MD Associate Dean, Veterans Affairs Senior Vice Chair Chief, Neurology Service, James A Haley VA Program Director, Pain Medicine USF Morsani College of Medicine



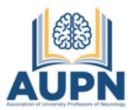
Opportunities for GME enhancement

- OAA special advanced fellowships
 - Please see their website
 - Unique offerings
- Collaboration with Academic Affiliate
 - Building infrastructure
 - Talent recruitment
 - Faculty development



Collaboration with Academic Affiliate

- Building infrastructure
 - Having space and time for trainees to have patient care experiences
 - Point out the variety of patient care experiences you may have
 - Highlight unique or special programs you may have MS, Pain, TBI, geriatric, movement disorder, etc
 - Seek every program opportunity for growth Headache, epilepsy, TBI, etc
 - Gives resources back to facility VERA
 - Provides unique experiences not as available elsewhere
 - Often offer research elements



Faculty Recruitment/Retention Faculty Development

- Highlight advantages the VA position can offer
- Seek academic minded personnel
- Have a mentoring process available
- Home Health personal wellness programs
- Opportunities for research career pathway you have to facilitate
- Partner with academic affiliate when applicable to expand subspecialty capability
- Loan repayment program
- Protected time
- Example 50/50 pain MS specialist



OAA special advanced fellowships

Learn More

Read the Advanced Fellows Handbook to learn more about the program. Over 20 Advanced Fellowships are offered.

Advanced Fellowship Programs

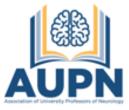
- Addiction Treatment
- Advanced Geriatrics
- American Board of Medical Specialties Visiting Scholars (ABMS)
- Big Data-Scientist Training Enhancement Program (BD-STEP)
- Geriatric Neurology
- Health and Aging Policy Fellows Program
- Health Services Research and Development
- Health Professions Education Evaluation and Research
- Health Systems Engineering
- Medical Informatics
- Mental Illness Research & Treatment (MIRECC)

- Multiple Sclerosis
- National Clinician Scholars Program
- Parkinson's Disease
- Patient Safety
- Polytrauma and Traumatic Brain Injury Rehabilitation
- Psychiatric Research and Neurosciences
- Psychosocial Rehabilitation and Recovery Oriented Services
- Quality Scholars Clinical Simulation
- Spinal Cord Injury Research
- War Related and Unexplained Illness
- · Women's Health



GME enhancement

- Maximize training experiences
 - Unique patients and qualified faculty
 - Ensure supervision but can enhance your capacity
- Has to be balanced with academic affiliate to meet ACGME requirements
- Request through ACOS-E for positions
 - Benefit to facility indirects and VERA dollars



offers

- Patient safety
- LEAN training
- Simulation exposure
- Telemedicine experience
- Research
- Quality assurance
- Facilitate future recruitment



Questions

- <u>Charles.brock@va.gov</u>
- 813-972-7633

Thank you

