



IQQUEST

CENTER FOR **INNOVATIONS** IN
QUALITY, EFFECTIVENESS & SAFETY



Baylor
College of
Medicine

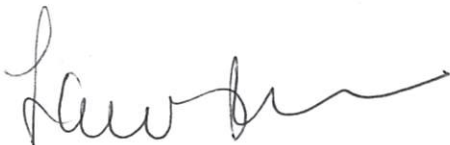
Health Services Research
ANNUAL REPORT 2018

Welcome!

The (HSR&D) Center for Innovations in Quality, Effectiveness and Safety (IQuEST) is the largest center for health services research in the southwest and has been continuously funded since 1990, providing strong scientific leadership and institutional infrastructure dedicated to a model of embedded health system research. Since 2007, when Dr. Petersen became the Director and Section Chief, the number of funded investigators has grown over 125%, from 17 to 39 core members and there have been 31 academic promotions among core faculty. In the past 23 years, 70 career development awards (CDA) have been funded (seven are current), including two recent HSR Section CDAs. Moreover, total grant funding has more than doubled, with over \$16 million in research funding for FY18. We have a nearly 20-year tradition of conducting research in partnership with the health care delivery system and responding to its needs, making us pioneers in the execution of the learning health care system model. The IQuEST mission, *"Improving health and well-being through innovations in health care delivery"*, emphasizes our commitment to transformative and innovative research.

A learning health care system "... is designed to generate and apply the best evidence for the collaborative health care choices of each patient and provider; to drive the process of discovery as a natural outgrowth of patient care; and to ensure innovation, quality, safety, and value in health care." Our model for the learning health care system is founded on strong partnerships with clinical and policy stakeholders, implementation of best evidence, and evaluation to ensure a continuous cycle of learning and improvement. You will find IQuEST Investigators embedded within the clinical practice of Baylor St. Luke's Healthcare system, the Faculty Group Practice, Michael E. DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and many others. We emphasize communication, coordination, and collaboration between clinical staff, communities and patients/families to achieve our goals of quality, effectiveness, and safety and the whole health model. We will continue to grow cross-disciplinary teams of clinician scientists, social scientists, and others who are embedded in the health systems to ensure better understanding of challenges and potential for health care improvement.

IQuEST is ideally poised to contribute to making care more accessible, safer, and more patient-centered with innovative research, rapid implementation of evidence, novel methodologies that match the complexity of problems under study, solid partnerships that are built on decades of work, key stakeholder engagement, career development of future scientists, and infrastructure to promote a learning health care system within Baylor College of Medicine. Please join in a review of our achievements and recognition received during 2018.



Dr. Laura Petersen

Professor of Medicine, Chief, Section of Health Services Research BCM

MEDVAMC Associate Chief of Staff, Research; Director IQuEST

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Health Services Research Faculty

LAURA PETERSEN	Professor (tenured) (Section Chief)	Primary
AMBER (AMY) AMSPOKER	Assistant Professor (non-tenure track)	Primary
HODA BADR	Associate Professor (tenured)	Primary
ISRAEL CHRISTIE	Instructor	Primary
JESSICA DAVILA	Associate Professor (tenured)	Primary
TRABER GIARDINA	Assistant Professor (tenure track)	Primary
KYLER GODWIN	Assistant Professor (tenure track)	Primary
VIVIAN HO	Professor (tenured)	Primary
MOLLY HORSTMAN	Assistant Professor (tenure track)	Primary
SYLVIA HYSONG	Associate Professor (tenured)	Primary
JENNIFER KRAMER	Assistant Professor (non-tenure track)	Primary
LINDSEY MARTIN	Assistant Professor (non-tenure track)	Primary
ASHLEY MEYER	Assistant Professor (tenure track)	Primary
WHITNEY MILLS	Assistant Professor (tenure track)	Primary
DANIEL MURPHY	Assistant Professor (tenure track)	Primary
AANAND NAIK	Associate Professor (tenured)	Primary
NANCY PETERSEN	Associate Professor (non-tenured)	Primary
PETER RICHARDSON	Assistant Professor (non-tenure track)	Primary
KATHRYN ROYSE	Instructor	Primary
SHUBHADA SANSGIRY	Assistant Professor (non-tenure track)	Primary
HARDEEP SINGH	Professor (tenured)	Primary
RICHARD STREET JR	Professor (non-tenured)	Primary
BARBARA TRAUTNER	Associate Professor (tenured)	Primary
ANNETTE WALDER	Instructor	Primary
DONNA WHITE	Assistant Professor (non-tenure track)	Primary
LECHAUNCY WOODARD	Associate Professor (tenured)	Primary
MARK KUNIK	Professor (tenured)	Secondary
JEFF CULLY	Professor (tenured)	Secondary

Key Impacts

Key Impact Label		
<p>Trautner BW, Grigoryan L, Petersen NJ, Hysong S, Cadena J, Patterson JE, Naik AD. Effectiveness of an Antimicrobial Stewardship Approach for Urinary Catheter-Associated Asymptomatic Bacteriuria. JAMA internal medicine. 2015 Jul 1; 175(7):1120-7.</p>	<p>PMID: 26010222 Overtreatment of asymptomatic bacteriuria (ASB) in patients with urinary catheters remains high. Health care professionals have difficulty differentiating cases of ASB from catheter-associated urinary tract infections. A multifaceted intervention targeting health care professionals who diagnose and treat patients with urinary catheters reduced overtreatment of ASB compared with standard quality improvement methods. These improvements persisted during a low-intensity maintenance period. The impact was more pronounced in long-term care, an emerging domain for antimicrobial stewardship.</p>	<p>Publication</p>
<p>Lindsay JA, Kauth MR, Hudson S, Martin LA, Ramsey DJ, Daily L, Rader J. Implementation of video telehealth to improve access to evidence-based psychotherapy for posttraumatic stress disorder. Telemedicine journal and e-health : the official journal of the American Telemedicine Association. 2015 Jun 1; 21(6):467-72.</p>	<p>PMID: 25714664 Increasing access to psychotherapy for PTSD is a primary focus of the VA healthcare system. Delivery of treatment via video telehealth can expand availability of treatment and be equally effective as in-person treatment. Development of specific strategies is needed to implement video telehealth services in complex healthcare systems, like the VA. This project conducted at 5 CBOCs was guided by the Promoting Action on Research Implementation in Health Services framework and used external facilitation to increase access to psychotherapy via video telehealth. Findings suggest that external facilitation is an effective and acceptable strategy to support providers as they establish clinics and make complex practice changes, such as implementing video telehealth to deliver psychotherapy</p>	<p>Publication</p>

Singh H, Sittig DF.
Advancing the science of measurement of diagnostic errors in healthcare: the Safer Dx framework. *BMJ Qual Saf.* 2015 Feb;24(2):103-10.

Diagnostic errors are major contributors to harmful patient outcomes, yet they remain a relatively understudied and unmeasured area of patient safety. Although they are estimated to affect about 12 million Americans each year in ambulatory care settings alone, both the conceptual and pragmatic scientific foundation for their measurement is underdeveloped. Health care organizations do not have the tools and strategies to measure diagnostic safety and most have not integrated diagnostic error into their existing patient safety programs. Further progress toward reducing diagnostic errors will hinge on our ability to overcome measurement-related challenges. In order to lay a robust groundwork for measurement and monitoring techniques to ensure diagnostic safety, we recently developed a multifaceted framework to advance the science of measuring diagnostic errors (The Safer Dx framework). We posit that the Safer Dx framework can be used by a variety of stakeholders including researchers, clinicians, health care organizations and policymakers, to stimulate both retrospective and more proactive measurement of diagnostic errors. The feedback and learning that would result will help develop subsequent interventions that lead to safer diagnosis, improved value of health care delivery and improved patient outcomes.

System Improvement

<p>Singh H, Sittig DF. Measuring and improving patient safety through health information technology: The Health IT Safety Framework. <i>BMJ Qual Saf.</i> 2015. Sep 14. Epub ahead of print.</p>	<p>Health information technology (health IT) has potential to improve patient safety but its implementation and use have led to unintended consequences and new safety concerns. A key challenge to improving safety in health IT-enabled healthcare systems is to develop valid, feasible strategies to measure safety concerns at the intersection of health IT and patient safety. In response to the fundamental conceptual and methodological gaps related to both defining and measuring health IT-related patient safety, we propose a new framework, the Health IT Safety (HITS) measurement framework, to provide a conceptual foundation for health IT-related patient safety measurement, monitoring, and improvement. The framework proposes to integrate both retrospective and prospective measurement of HIT safety with an organization's existing clinical risk management and safety programs. It aims to facilitate organizational learning, comprehensive 360 degree assessment of HIT safety that includes vendor involvement, refinement of measurement tools and strategies, and shared responsibility to identify problems and implement solutions. A long term framework goal is to enable rigorous measurement that helps achieve the safety benefits of health IT in real-world clinical settings.</p>	<p>System Improvement</p>
<p>Menon S, Murphy DR, Singh H, Meyer AN, Sittig DF. Workarounds and Test Results Follow-up in Electronic Health Record-Based Primary Care. <i>Applied clinical informatics.</i> 2016 Jun 22; 7(2):543-59.</p>	<p>Electronic health records (EHRs) have potential to facilitate reliable communication and follow-up of test results. However, limitations in EHR functionality remain, leading practitioners to use workarounds while managing test results. Workarounds can lead to patient safety concerns and signify indications as to how to build better EHR systems that meet provider needs. We conducted a secondary data analysis of quantitative and qualitative data from a national survey of PCPs practicing in the Department of Veterans Affairs (VA) and explored the use of workarounds in test results management. We used multivariate logistic regression analysis to examine the association between key sociotechnical factors that could affect test results follow-up (e.g., both technology-related and those unrelated to technology, such as organizational support for patient notification)</p>	<p>System Improvement</p>

	<p>and workaround use. We conducted a qualitative content analysis of free text survey data to examine reasons for use of workarounds. Workarounds to manage EHR-based test results are common, and their use results from unmet provider information management needs. Future EHRs and the respective work systems around them need to evolve to meet these needs</p>	
<p>Naik AD, Martin LA, Moye J, Karel MJ. Health Values and Treatment Goals of Older, Multimorbid Adults Facing Life-Threatening Illness. Journal of the American Geriatrics Society. 2016 Mar 1; 64(3):625-31.</p>	<p>This publication was cited in The John A. Hartford Foundation Change AGENTS Initiative white paper "Patient-Centered Medical Homes and the Care of Older Adults: How comprehensive care coordination, community connections, and person-directed care can make a difference". The paper provides a roadmap to guide primary care practices in how to enhance care for older, complex patients and their families.</p>	<p>System Improvement</p>
<p>VHA Directive 1088</p>	<p>Dr. Hardeep Singh co-chaired a work-group under The Office of Patient Care Services (10P4) to revise a previous directive (VHA Directive 2009-019) and to establish new national policy regarding communication of test results to providers and patients. Timely communication of test results is essential to ensuring safe and effective health care. Lack of timely follow-up of abnormal test results has been identified as a contributor to poor outcomes and can be a source of considerable anxiety to patients and families. The Directive cites 11 publications from center members and provides policies and guidance on how to improve timeliness of follow-up of test results and is consistent with VHA's goals of providing Veterans with quality health care. The Directive is now in place at all 150-plus VA facilities and impacting care for millions of veterans.</p>	<p>System Improvement</p>

<p>Explicit Quality Indicator Set for Measurement of Quality of Care in Patients with Cirrhosis</p>	<p>Dr. Fasiha Kanwal's work in cirrhosis quality measure development led to implementation of a performance measure as part of the Centers for Medicare and Medicare Service pay for performance program (HCC screening). This measure was also selected to be part of the GI measure set in AHIP, which is a national association representing nearly 1300 member companies providing health insurance coverage to more than 200 million Americans.</p>	<p>System Improvement</p>
<p>Murphy DR, Meyer AN, Bhise V, Russo E, Sittig DF, Wei L, Wu L, Singh H. Computerized Triggers of Big Data to Detect Delays in Follow-up of Chest Imaging Results. Chest. 2016 Sep 1; 150(3):613-20.</p>	<p>We applied a trigger in a repository hosting EHR data from all Department of Veterans Affairs health-care facilities and analyzed data from seven facilities. Using literature reviews and expert input, we refined previously developed trigger criteria designed to identify patients potentially experiencing delays in diagnostic evaluation of chest imaging flagged as "suspicious for malignancy." The trigger then excluded patients in whom further evaluation was unnecessary (ie, those with terminal illnesses or with already completed biopsies). The criteria were programmed into a computerized algorithm. Reviewers examined a random sample of trigger-positive (ie, patients with trigger-identified delay) and trigger-negative (ie, patients with an abnormal imaging result but no delay) records and confirmed the presence or absence of delay or need for additional tracking (eg, repeat imaging in 6 months). Analysis included calculating the trigger's diagnostic performance (ie, positive predictive value, negative predictive value, sensitivity, specificity). Application of triggers on "big" EHR data may aid in identifying patients experiencing delays in diagnostic evaluation of chest imaging results suspicious for malignancy.</p>	<p>Research Product</p>

Publications

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Presentations

1. **Godwin K**, Gregory ME, **Woodard LD**. Tools for capabilities, coaching, conflict, and conditions. Baylor College of Medicine, Houston, TX. 2017 Jul 1.
2. **Singh H**. Improving Diagnosis in Health Care: An Implementation Workshop. Invited Expert Panelist. National Academic of Sciences, Engineering, and Medicine, Washington, DC. Invited Expert Panelist. 2017 Jul 17
3. Che XX, Brown C, Petersen LA, Hughes AM, Kuebler M, **Hysong SJ**. A goal-driven approach to aggregating measures of PACT team performance. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 July 18.
4. **Meyer AND**, **Murphy DR**, Vaghani V, Russo E, Sittig DF, Wei L, Wu L, **Singh H**. Identifying Veterans with delays in diagnostic evaluation of cancer using electronic triggers. Oral Presentation. HSR&D/QUERI National Conference (2017). 2017 July 18.
5. **Mills WL**, Pimentel CB, Palmer JA, Snow AL, Hartmann CW. Formative evaluation of a new theory-driven framework to guide quality improvement in community living centers. HSR&D/QUERI National Conference (2017). Arlington, VA, 2017 July 18.
6. **Murphy DR**, **Meyer AND**, Vaghani V, Russo E, Sittig DF, Wei L, Wu L, **Singh H**. Electronic algorithms can efficiently detect delays in follow-up of abnormal mammograms. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 July 17.
7. Pimentel CB, **Mills WL**, Snow AL, Palmer JA, Hartman CM. Blended facilitation to support implementation efforts in VHA community living centers. Poster. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 July 18.
8. **White DL**, **Kramer JR**, **Hysong SJ**. Applied Design and Statistical Methods for Performing High Impact Meta-Analyses Workshop. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 July 18.
9. Barrera TL, **Kunik ME**, Stanley MA. Diagnostic Error among Veterans with Anxiety and Trauma-related Disorders. Poster. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 Jul 19.
10. O'Mahan P, Mehta PD, Rajan SS, Knox M, Yang C, Kuebler M, **Petersen LA**. Method to develop facility-specific groups of VA hospital peers. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 July 19.
11. **Petersen LA**. The Power of Partnerships for High-Impact Research. Panel Discussion. HSR&D/QUERI National Conference (2017). Arlington, VA. 2017 Jul 19.
12. Brown CR, Kiefer L, **Naik AD**, Hundt NE, Jones L, **Woodard LD**. Promoting Veteran and Employee Engagement in Diabetes Management through the Transformational Elements of the PACT Model. Poster. HSR&D/QUERI National Conference (2017). Arlington, VA, 2017 July 18.
13. Hundt NE, Helm A, Smith TL, Lamkin J, Stevens JW, **Cully JA**, Stanley MA. Failure to Engage: A qualitative study of Veterans who decline evidence-based psychotherapies for PTSD. VA Health Services and Research Development Career Development Award Conference. Poster. Washington, DC. 2017 July 21.
14. Block P, Snow AL, **Amspoker AB**, Renn BN, Pickens S, Wilson N, **Kunik M**. Pain Interference in Persons with Dementia: A Beginning Exploration of Its Assessment. Poster. IAGG World Congress of Gerontology and Geriatrics. San Francisco, CA. 2017 July 23.
15. Pimentel CB, **Mills WL**, Hartmann CW, Snow AL. How to build a culture of quality improvement focused on the positive. Workshop. Pioneer Network Conference. Rosemont, IL. 2017 Aug 2.
16. Gregory M, Bryan JL, **Hysong SJ**, Kusters I, Polacek N, **Woodard L**, **Naik AD**, **Godwin KM**. Evaluation of an Interprofessional Quality Improvement Curriculum for Distributed Learners. Poster. National VA Quality Scholars Summer Institute Conference. Houston, TX. 2017 Aug 16.
17. Mapakshi S, Narayanan A, Conwell J, Bowen M, Miltner S, Eng J, Shirks A, **Naik AD**, **Godwin KM**. Building a VAQS Alumni Network: Needs and Preferences of VA Quality Scholars. Poster. National VA Quality Scholars Summer Institute Conference. Houston, TX. 2017 Aug 16.

18. Narayanan A, Bowen M, Conwell J, Miltner S, Eng J, Shirks A, Mapakshi S, **Naik AD, Godwin KM**. Analysis of Skills Used on the Job: Aligning the VAQS national Curriculum based on Alumni Feedback. Poster. National VA Quality Scholars Summer Institute Conference. Houston, TX. 2017 Aug 16.
19. **Godwin KM, Woodard LD**. Innovation and Systems Thinking: Friday Night in the ER. Speaker. 2017 VA Quality Scholars Summer Institute Conference. Houston, TX. 2017 Aug 19.
20. **Giardina TD, Meyer AND**. Diagnostic errors: Physician cognition and patient perspectives. Speaker. Neonatology Research Conference, Texas Children's Hospital. Houston, TX. 2017 Sep 14.
21. **Meyer AND, Giardina TD**. Physician cognition and patient perspectives. Speaker. Neonatology Research Conference, Texas Children's Hospital. Houston, TX. 2017 Sep 14.
22. **Meyer AND, Murphy DR**, Vaghani V, Russo E, Sittig DF, Wei L, Wu L, **Singh H**. Electronic algorithms can efficiently detect delays in follow-up of abnormal mammograms. Poster. Center for Innovations in Quality, Effectiveness and Safety (IQuEST) Steering Committee Meet and Greet Poster Session. Houston, TX. 2017 Sep 15.
23. **Giardina TD, Meyer AND**. Improving diagnosis: From the physician's mind to the patient's experience. Speaker. MEDVAMC Grand Rounds. Houston, TX. 2017 Sep 18.
24. **Petersen LA**. Financial incentives for improving health care quality. Invited Speaker. Advanced Health Economics, University of Texas School of Public Health. Houston, TX. 2017 Sep 20.
25. **Godwin KM, Hortsman MJ**, Walton N, Oliver B, Rosen T, **Naik AD**. QI Jumpstart: Development and Pilot Testing of a Brief, Intensive Quality Improvement Training Program for Clinicians. Invited Talk, Baylor College of Medicine 2017 Academy of Distinguished Educator's, Annual Showcase of Educational Scholarship. Houston, TX. 2017 Sep 29.
26. Gregory ME, Bryan JL, Mendez A, Uriarte J, **Woodard L**. The Curriculum Development Process for an Interprofessional Training Program. Poster. Baylor College of Medicine Annual Showcase of Educational Scholarship. Houston, TX. 2017 Sep 29.
27. Stewart K, **Martin L**, Wendleton L, LaChappell K. Veteran Engagement Four Ways: Insights and Lessons Learned from Engaging Veterans at Four VA Research Centers. Virtual Presentation. Wisconsin Warrior Summit 2017. 2017 Sep 29.
28. Mapakshi S, Chang E, **White DL, Kramer JR**, Chiao EY. Impact of Protease Inhibitors on Incidence of HIV-Associated Kaposi Sarcoma: A Systematic Review. Poster. 2017 MEDVAMC Research Service Line Fall Fest. Houston, TX. 2017 Oct 1.
29. Ratcliff CG, Pao CW, **Sansgiry S, Petersen NJ, Cully JA**. Brief CBT for Medically Ill Primary Care Patients: How Much Does it Cost?. Invited Speaker. Collaborative Family Health Association. Houston, TX. 2017 Oct 1.
30. Cheraghi-Sohi S, **Singh H**, Litchfield I. Developing and Improving a Systems Approach to Diagnostic Safety in Primary Care. Invited Speaker. ISQua Conference 2017. London, UK. 2017 Oct 2.
31. Makeham M, **Singh H**, Sheikh A. Safety Standards for Digital Health Services – Learning from a Shared International Perspective. Invited Speaker. ISQua Conference 2017. London, UK. 2017 Oct 2.
32. Danforth KN, Davari SB, Slezak JM, Yi DK, Hahn EE, Luong TQ, Harrison TN, Mittman BS, Singh H, Brettler JW, Handler J, Kanter MH. Use of Targeted Lab Monitoring to Reduce Undiagnosed Hyponatremia and Preventable Hospitalizations. Oral. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 4.
33. Liberman AL, Rostanski SK, Ruff IM, **Meyer AND**, Maas MB, Prabhakaran S. Inter-rater agreement for the diagnosis of stroke versus stroke mimic after thrombolysis. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 4.
34. **Meyer AND**. Introduction to Diagnostic Error Short Course. 10th International Diagnostic Error in Medicine Conference. Boston, MA, 2017 Oct 4.
35. **Meyer AND**, Zwaan L. Society to Improve Diagnosis's Fellows' Research in Progress Feedback Session. Moderator. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
36. Barrera T, **Kunik M, Singh H**, Stanley M. Diagnostic Discordance in Anxiety and Trauma-Related Psychiatric Disorders. 10th International Diagnostic Error in Medicine Conference. Boston, MA, 2017

Oct 5.

37. Cheraghi-Sohi S, Holland F, Reeves D, **Singh H**, Esmail A, Morris R, Small N, De Wet C, Campbell S. Burden of Missed Diagnostic Opportunities in General Practice in the United Kingdom. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
38. Chopra V, Harrod M, Winter S, Foreman J, Quinn M, Krein S, Fowler K, **Singh H**, Saint S. Focused Ethnography to Improve Diagnosis in Teaching Hospitals: Introducing the Michigan Model of Diagnosis. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
39. Cifra CL, Dukes KC, Reisinger HS, **Singh H**, Herwaldt LA. Using Ethnography to Understand the Diagnostic Process in a Pediatric Intensive Care Unit. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
40. Danforth KN, Slezak JM, Chen LH, Hahn EE, Luong TQ, Harrison TN, Munoz-Plaza C, Anand SS, Yi DK, Mittman BS, Sim JJ, **Singh H**, Kanter MH. Risk Factors for Care-Gaps in Abnormal Lab Results Follow-up within a Large Integrated Health System. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA, 2017 Oct 5.
41. Hahn EE, Munoz-Plaza C, Harrison TN, Luong TQ, Anand SS, Yi DK, Slezak JM, Mittman BS, Sim JJ, **Singh H**, Kanter MH, Danforth KN. Factors Associated with Delayed Follow-up of Abnormal Labs: A Qualitative Exploration of Primary Care Physicians' Perspectives. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
42. **Hortsman MJ**. Chronic Obstructive Pulmonary Disease. Speaker. 2017 Michael E. DeBakey VA Medical Center Primary Care Center of Excellence Curriculum. Houston, TX. 2017 Oct 5.
43. Kravet S, Bhatnagar M, Dwyer M, **Singh H**. Prioritizing Diagnostic Safety Efforts in the Physician Office Practice Setting. Oral. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
44. Laws MB, **Singh H**, Taubin T, Wilson IB. Methods to Analyze Diagnostic Processes in Ambulatory Care. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct. 5.
45. Mahajan P, Alpern E, Baird-Cox K, Boothman R, Chamberlain J, Crosby K, Duffy E, Gegenheimer-Holmes A, Gerardi M, **Giardina T**, Mathias E, Mollen C, Radecki R, Ruddy R, Saleem J, Shaw K, Sittig DF, Vydiswaran V, **Singh H**. Opportunities to Improve Diagnosis in Acute Care – Findings from a Multi-Disciplinary Expert Panel. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
46. Marshall K, Hohmuth B, **Singh H**. Delayed Diagnosis of Arterial Dissection and Stroke: A Learning Opportunity. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
47. **Meyer AND**, Khanna A, Thompson OJ, Desai S, Mathews BK, Yousef E, Kusnoor AV, Taylor JR, **Singh H**. An evaluation of the PTT Advisor mobile application for improving clinical laboratory test ordering and diagnosis. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct. 5.
48. **Meyer AND**, **Murphy DR**, Vaghani V, Russo E, Sittig DF, Wei L, Wu L, **Singh H**. Electronic trigger-based measurement of delays in diagnostic evaluation of cancer: Time to think implementation. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
49. Millenson ML, Baldwin J, Zipperer L, **Singh H**. Beyond Dr. Google: The Evidence about Consumer-Facing, Digital Tools for Diagnosis. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
50. Rogith D, Iyengar S, **Singh H**. Application of Fault Tree Analysis for Insights into Diagnostic Error. Abstract. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
51. Sheehan SE, Brunner M, Bruno M, Safdar N, **Singh H**. Detecting Patient Misidentification Errors in Diagnostic Radiology Exam Ordering. Oral. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
52. **Giardina TD**, Baldwin J, Nystrom DT, Sittig DF, **Singh H**. Test Result Notification Via the Patient Portal: An Exploration Patients' Experiences. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.

53. Nystrom DT, **Giardina TD**, Baldwin J, Sittig DF, **Singh H**. Informing Action through Evidence: Examining Patient Perspective, Interpretation, and Use of Test Results from Patient Portals. Poster. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
54. Meyer AND, Zwaan L. Teamwork and Diagnostic Error Research. Moderator. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
55. Barrera TL, **Kunik ME**, **Singh H**, Stanley MA. Diagnostic Discordance in Anxiety and Trauma-Related Psychiatric Disorders. Oral. 2017 Diagnostic Error in Medicine 10th International Conference. Boston, MA. 2017 Oct. 5.
56. **Giardina TD**, Greer-Smith R. Engaging Patients in Research: A Practical Workshop. Poster. 2017 Diagnostic Error in Medicine 10th International Conference. Boston, MA. 2017 Oct 5.
57. **Singh H**. Keynote Panel: Discussion of the Role of Diagnostic Error in Patient Safety. 10th International Diagnostic Error in Medicine Conference. Boston, MA. 2017 Oct 5.
58. **Singh H**. The Coalition in Action: Interventions, Advocacy and Driving Change. Invited Speaker. 2017 Diagnostic Error in Medicine 10th International Conference. Boston, MA, 2017 Oct 5.
59. Kanwal F, **Kramer JR**, Mapakshi S, Natarajan Y, Chayanupatkul M, **Richardson PA**, Li L, Desiderio R, Thrift AP, Asch SM, El-Serag HB. Risk of Hepatocellular Cancer in Patients with Non-alcoholic Fatty Liver Disease in Texas. Poster. 2017 Cancer Prevention and Research Institute of Texas Conference. Austin, TX. 2017 Oct 13.
60. Thakur ER, Jarbrink-Sehgal E, **Martin L**, Helm A, **Kunik M**, Lackner J, Dindo L, Smith T, Chan J, El-Serag HB. Behavioral Medicine Services for Patients with Irritable Bowel Syndrome: Development of a Referral Toolkit for Gastroenterology Providers. Poster. 2017 World Congress of Gastroenterology of the American College of Gastroenterology. Orlando, FL. 2017 Oct 15.
61. **Kramer J**, Purnpatom A, Erickson K, Cao Y, Smith DL, El-Serag HB, Kanwal F. Effectiveness of Elbasvir/Grazoprevir in patients with chronic hepatitis C and chronic kidney disease: Results from the Veterans Affairs system. Poster. American Association for the Study of Liver Diseases 68th Annual Meeting. Washington, DC. 2017 Oct 22.
62. LeMaire SA, **Trautner BW**, Rosengart TK. Building a Surgery Department Research Core Team to Support Surgical Investigators. Poster. 2017 American College of Surgeons Clinical Congress. San Diego, CA. 2017 Oct 22.
63. Chang E, Hartman C, **Royse K**, **Kramer J**, **White D**, **Richardson P**, Chiao EY. A Case Series of Nivolumab in Veterans with HIV Infection and Malignancy. Abstract. 2017 International Conference on Malignancies in HIV/AIDS. Bethesda, MD. 2017 Oct 23.
64. Chang E, **Kramer J**, Hartman C, **Royse K**, **White D**, **Richardson P**, Garcia J, Chiao EY. A case series of Nivolumab in Veterans with HIV infection and malignancy. Poster. 2017 - 16th International Conference on Malignancies in HIV/AIDS. Bethesda, MD. 2017 Oct 23.
65. Mapakshi S, Mbang P, **Kramer JR**, **White DL**, Chiao EY. Impact of Protease Inhibitor Based Regimens on Incidence of HIV associated Kaposi Sarcoma: A Systematic Review of Literature. Poster. 2017 International Conference on Malignancy in HIV/AIDS. Bethesda, MD, 2017 Oct 23.
66. Thrift AP, **Royse KE**, **Richardson PA**, Raychaudhury S, Desiderio R, **White DL**, **Kramer JR**, Chiao EY. Risk Of Non-AIDS-Defining Cancers Among Veterans With Well-Controlled HIV Infection. Abstract. 2017 International Conference on Malignancies in HIV/AIDS. Bethesda, MD, 2017 Oct 23.
67. **Singh H**. Diagnostic Errors: What VA Leaders Need to Know. Invited Speaker. VA Risk Management Bootcamp for Physician Leaders. Washington, DC. 2017 Oct 26.
68. Lo G, Cauley JA, Strayhorn MT, Jansen M, Hannon MJ, **White DL**, Green S, Kwok CK. Feasibility of a novel approach to studying early knee osteoarthritis: An offspring study. Poster. 2017 - American College of Rheumatology. San Diego, CA. 2017 Nov 1.
69. Mehta PD, Rajan SS, Knox MK, Yang C, Kuebeler M, **Petersen LA**. Method to Develop Facility-Specific Groups of VA Hospital Peers. Poster. 2017 MEDVAMC Research Service Line Fall Fest. Houston, TX. 2017 Nov 1.
70. **Meyer AND**, **Murphy DR**, Vaghani V, Russo E, Sittig DF, Wei L, Wu L, **Singh H**. Electronic trigger-based measurement of delays in diagnostic evaluation of cancer. Poster. 2017 MEDVAMC Research Service Line Fall Fest. Houston, TX. 2017 Nov 1.

71. Tayob N, **Richardson P**, Kanwal F, **White DL**, Yu X, **Davila J**, El-Serag HB. Phase 3 biomarker study for HCC surveillance using AFP, AFP-L3 and DCP: A prospective collection with retrospective blinded evaluation. Poster. 2017 - AASLD Annual Meeting. Washington, DC. 2017 Nov 1.
72. McCoy AB, Wright A, **Singh H**, Krousel-Wood M, Sittig DF. Electronic Health Record Safety: identifying Measures for Clinical Decision Support Quality. Poster. American Medical Informatics Association Annual Symposium. Washington, DC. 2017 Nov 4.
73. **Cully JA**, Stanley MA, Hundt N, **Petersen N**, **Kunik M**, Kauth M, **Sansgiry S**, **Naik A**, Sorocco K. Delivery of Brief CBT in Primary Care: A Pragmatic Clinical Trial. Poster. 2017 Association of Behavioral and Cognitive Therapies. San Diego, CA. 2017 Nov 16.
74. **Godwin KM**, **Woodard LD**, Gill A, Coleman N. Teamwork in Crisis Management. Speaker. Baylor College of Medicine, Houston, TX, 2017 Nov 16.
75. Whelen ML, Brandt CP, Deavers F, Hundt N, Stanley MA, Barrera TL, **Cully JA**. Integrating physical health into brief CBT for medically ill veterans with depression and anxiety. Poster. Association for Behavioral and Cognitive Therapies (2017). San Diego, CA. 2017 Nov 16.
76. **Martin L**. Focus Groups. Speaker. 2017 - VA Quality Scholars (VAQS) Skills and Methods Seminar presented virtually to nine sites across North America. Houston, TX. 2017 Nov 17.
77. Wendleton L, **Martin LA**, Stewart KR, LaChappell K. Veteran Engagement Three Ways: Insights and Lessons Learned from Engaging Veterans at Three VA Research Centers. VA Health Services Research & Development Cyberseminar. 2017 Nov 17.
78. **Bush RL**. Ablation Choices. Speaker. American Venous Forum Fall Fellows Course. Seattle, WA. 2017 Dec 1.
79. **Bush RL**. Micro-Phlebectomy. Speaker. American Venous Forum Fall Fellows Course. Seattle, WA, 2017 Dec 1.
80. **Bush RL**. Practical Thrombophilia Information. Speaker. American Venous Forum Fall Fellows Course. Seattle, WA, 2017 Dec 1.
81. **Bush RL**. Veins and the Pregnant Patient. Speaker. American Venous Forum Fall Fellows Course. Seattle, WA. 2017 Dec. 1.
82. **Bush RL**. Venous Ulcerations. Speaker. American Venous Forum Fall Fellows Course. Seattle, WA, 2017 Dec. 1.
83. Kirchner JE, Dollar KM, Smith TL, Ritchie MJ, **Martin LA**, Barrera TL, Lindsay JA. Using formal training to transfer evidence-based implementation strategy knowledge and skills. Oral. 2017 Science of Dissemination and Implementation in Health. Arlington, VA, 2017 Dec 4.
84. Mignogna J, Finley E, **Sansgiry S**, **Cully JA**, Post E, Wong G, Pierson D, MacCarthy, Kearney L, Wray L, MacCarthy J, Pomerantz A, Funderburk J, Benzer J. Effective psychotherapy in integrated care (EPIC): A realist evaluation approach to develop an organizational-focused intervention and implementation strategy. Poster. , Arlington, VA. 2017 Dec 4.
85. **Singh H**, Sahlmann B. Next Steps on Measurement and Improvement of Test Result Follow-up. Conference Call. VHA Primary Care Field Advisory Committee Conference Call. 2017 Dec 14.
86. Chou A, Sugang R, Zechiedrich L, **Trautner BW**.. Discordant Ertapenem/Imipenem Susceptibilities in Enterobacter Causing Bloodstream Infections: Frequency and Outcomes. Abstract. 2018 1st Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference. Houston, TX. 2018 Jan 2.
87. Chou A, Sugang R, Zechiedrich L, **Trautner BW**. Veterans are Special: Clinical Decision Tree not Sensitive for ESBL Status in Bacteremic Veterans. Abstract. 2018 - 1st Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference. Houston, TX. 2018 Jan 2.
88. Grigoryan L, Nash S, **Trautner BW**. Exploring Primary Care Provider Prescribing Decisions for Urinary Tract Infections. Poster. Texas Medical Center Antimicrobial Resistance and Stewardship Conference. Houston, TX. 2018 Jan 17.
89. **Trautner BW**. Asymptomatic Bacteriuria Collaborative Update. Speaker. 2018 1st Annual Texas Medical Center Antimicrobial Resistance and Stewardship Conference. Houston, TX. 2018 Jan 17.
90. Hou JK, Taylor R, Gonzalez I, El-Serag HB, **Naik A**, Arney J. Patient Experiences with Colorectal Cancer Surveillance (CRC) in Inflammatory Bowel Disease (IBD): A Qualitative Study. Poster. , Las

Vegas, NV. 2017 Jan 18.

91. **Trautner BW**. City of Houston Antimicrobial Stewardship Project for Asymptomatic Bacteriuria. Speaker. 2018 - Antimicrobial Resistance Research and Stewardship Conference. Houston, TX. 2018 Jan 19.
92. Ratcliff CG, Massarweh NN, **Sansgiry S**, Dindo L, Y u H, Berger D, **Cully JA**. Impact of Mental Health Diagnoses and Treatment on Outcomes after Colorectal Cancer Surgery. Poster. 2018 American Surgical Congress. Jacksonville, FL, 2018 Jan 30.
93. **Trautner BW**. Making Research Feasible for Busy Surgeons Through Infrastructure Support: Pros, Cons, and Lessons Learned the Hard Way. Speaker. Jacksonville, FL. 2018 Jan 30.
94. Jacobs RC, Groth S, Farjah F, Wilson MA, **Petersen LA**, Massarweh NN. Impact of 'Take the Volume Pledge' on Access & Outcomes for Gastrointestinal Cancer Surgery. Plenary Session. 13th Annual Academic Surgical Congress, Jacksonville, FL. 2018 Jan 31.
95. **Singh H**. Advanced Analytics & Artificial Intelligence: What every Executive Needs to Know. Invited Panelist. Enaxis Leadership Forum. Rice University. Houston, TX. 2018 Feb 1.
96. **Horstman MJ**. Caregivers and Care Transitions: Supporting Families in an Aging America. Speaker. 2018 MD Anderson Section of General Internal Medicine Clinical and Research Conference. Houston, TX. 2018 Feb 8.
97. Razjouyan J, **Naik A**, **Horstman M**, **Kunik M**, Amirmazaheri M, Zhou H, Sharafkhaneh A, Najafi B. Wearable Sensors: A Solution to Identify Frailty Status in the Remote, Home-based Settings. Poster. Clinical Scientist Training Program 2018 Annual Retreat. Houston, TX. 2018 Feb 15.
98. **Petersen LA**. Quality of Care. Panel Discussion. TMC Policy Institute Health Policy Course, Houston, TX. 2018 Feb 20.
99. Chang E, Yoder AK, **Royse KE**, **White DL**, **Richardson P**, Hartmann C, Sabichi A, Yen AE, Chiao EY. Immune-related adverse events in HIV-infected veterans and matched controls with Nivolumab. Poster. 15th Annual Dan L. Duncan Comprehensive Cancer Center Symposium Immunotherapy. Houston, TX. 2018 Mar 1.
100. Sittig DF, Wright A, Ash J, **Singh H**. Too Many Ways to Make an Error. Poster. 2018 - IEEE Conference on Biomedical and Health Informatics (BHI), Las Vegas, NV, 2018 Mar 4.
101. Thrift AP, **Royse KE**, **Richardson PA**, Raychaudhury S, Desiderio R, **White DL**, **Kramer JR**, Chiao E. Risk of Non-AIDS-Defining Cancers among Veterans with well-controlled HIV Infection. Poster. 2018 Conference on Retroviruses and Opportunistic Infections, Boston, MA. 20-18 Mar 4.
102. Thrift AP, **White DL**, Nguyen HP, **Royse KE**, **Kramer JR**, Chiao EY. Trends in incidence of Kaposi Sarcoma among males in all 50 United States between 2000 and 2013. Abstract. 2018 Conference on Retroviruses and Opportunistic Infections, Boston, MA. 2018 Mar 4.
103. Ozkaynak M, Drake C, Reeder B, Ferrarone P, **Trautner B**, Wald H. Workflow informed decision support tools for nursing homes. Poster. 2018 Healthcare Information and Management SYSTEMS Society Annual Conference. Las Vegas, NV. 2018 Mar 5.
104. Thrift AP, **White DL**, Nguyen HP, **Royse KE**, **Kramer JR**, Chiao EY. Poster. Boston, MA. 2018 Mar 5.
105. Garcia JM, **Kramer JR**, **Richardson PA**, **White D**, Raychaudhury S, Chang E, Hartman C, Chiao EY. Effect of Diabetes, Metabolic factors and Medications on Risk of Lung Cancer among HIV-Infected Veterans. Abstract. 2018 Annual Endocrine Society. Chicago, IL. 2018 Mar 17.
106. **Badr H**. Intervening with caregivers to improve patient care and outcomes. Plenary Session. 2018 - M D Anderson 6th State of the Science Cancer Research Symposium: Translating Cancer Survivorship and Energy Balance Research into Public Health. Houston, TX. 2018 Mar 23.
107. **Petersen LA**, **Woodard LD**, **Naik AD**, Hertz B. Partnered Research to Co-Create Sustainable Interventions in the VA Health Care System. Workshop Presentation. Society of General Internal Medicine Annual Meeting. Denver, CO. 2018 Apr 12.

Methods and Products

Method or Product Name	Brief Description
<p>2X2 Functional Health Literacy/Patient Activation Matrix (PI: LeChauncy Woodard)</p>	<p>The Functional Health Literacy/Activation Matrix tool was developed to provide personalized health information to clinicians to improve communication and coordination of self-management at the point of care. Functional Health Literacy (FHL) and Patient Activation levels are directly related to levels of motivation to participate in chronic disease self-management. By classifying veterans into high/low categories for both FHL and Patient Activation, the 2x2 Literacy/Activation Matrix provides a concrete description of a prototypical veteran in each quadrant and suggests corresponding actions and communication strategies for clinicians to uniquely target self-management plans with Veterans. By assessing Veterans' levels of Functional Health Literacy (FHL) and Patient Activation a priori, providers were able to tailor and personalize their approach to collaborative goal-setting. This personalization helped optimize chronic disease self-management for a costly population of Veterans with treated by uncontrolled Type II Diabetes Mellitus.</p>
<p>AWARE: Alerts, Watch and Response Engine (PI: Hardeep Singh)</p>	<p>Abnormal test results do not always receive timely follow-up, even when providers are notified through electronic health record (EHR)-based alerts. Follow-up to abnormal test results in the outpatient setting is an important safety issue. The Houston Patient Safety team developed and did preliminary usability testing on a prototype software system to detect abnormal test result alerts lacking documented follow-up, and to present context-specific reminders to provider called the Alert Watch And Response Engine (AWARE).</p>
<p>CAUTI: Catheter Associated Urinary Tract Infection Intervention (PI: Barbara Trautner)</p>	<p>With VA HSR&D funding, we have developed an intervention to encourage guideline compliant practices concerning antibiotic use for urinary tract infections. Specifically we used audit and feedback plus a "fast and frugal" algorithm to substitute incorrect biases towards excessive use of antibiotics for prescribing decisions that were compliant with guidelines.</p>
<p>CBOC Mental Health Grand Rounds Program (PI: Mark Kunik)</p>	<p>The CBOC Mental Health Grand Rounds program is a partnership between the South Central Mental Illness, Research and Clinical Center (SC MIRECC) and Veterans Health Administration (VHA), Employee Education System (EES). Nationally known speakers from the VA and academia are invited to talk about cutting edge topics & evidence-based practices that address the mental health care needs of rural Veterans. The monthly live meetings are made available to CBOCs and parent facilities in VISN 16 through the VA Knowledge Network. Select programs are archived for delayed viewing. The VA EES provides Continuing Education Credits for a number of healthcare disciplines.</p>
<p>CPRS View Alert Notification Checklist (PI: Hardeep Singh)</p>	<p>A Checklist to Improve CPRS 'View Alert' Notifications: Recommendations for VA Facility Leadership and Staff was developed by the Houston Patient Safety team and a group of subject matter experts to assist VHA facilities in addressing the complexities involved in managing View Alerts. The Checklist provides facility leaders and staff with actionable, practical recommendations in a checklist-based format to ensure that View Alert notifications remain valuable for patient care.</p>

<p>CTR Toolkit: Communication of Test Results Toolkit (PI: Hardeep Singh)</p>	<p>The Houston Patient Safety team and a VA Workgroup comprised of subject matter experts developed a toolkit that offers practical guidance for facilities and clinical care teams to meet the requirements of VHA Directive 1088 for timely communication of test results to patients. The objectives of the toolkit are to: 1) describe useful practices, example workflows, and processes necessary to implement a safe, effective, and efficient method of timely outpatient test result communication to providers and patients; and 2) provide recommendations for system-level monitoring of outpatient test result communication to patients, and define the parameters and methodology involved in achieving this. Topics addressed include test result follow-up responsibilities, test result categories, CPRS View Alerts, team-based approaches to facilitate test result follow-up, vulnerable areas including handoffs in care, current methods to notify patients and measurement and reporting of test result notification.</p>
<p>Customized Peer Facility Groups for VISNs (PI : Laura Petersen)</p>	<p>Dr. Laura Petersen's team created customized peer facility groups for VISNs. These peer facility groups allow Network managers to fairly compare their facilities (often of varying sizes, scopes of service, and missions) to facilities in other Networks. In the past 13 years, 11 VISNs have sought out our team to provide peer facility groups for quality and efficiency comparisons and to help with resource allocation. VISNs 11 and 12 have reported continuous use of the Houston-generated peer groups across their component facilities since 2004.</p>
<p>EHR Trigger Tool Methodology (PI: Hardeep Singh)</p>	<p>The EHR Trigger Tool Methodology was developed for mining EHR data to detect delays in diagnostic evaluation of cancer. The computerized algorithms and SQL code to mine this data are products of this methodology. This tool is related to the Houston CREATE Project.</p>
<p>Manualized Motivational Interviewing and Behavioral Health Guides for Chronic Disease Self-Management (PI: Jeff Cully)</p>	<p>A pair of manuals was developed to guide the structure and delivery of a motivational interviewing and behavioral health intervention to improve chronic disease self-management. The manual reviewed by patients guided the content of the group sessions and ensured that materials were easily understood, even for those veterans with limited health literacy. The clinician manual contained the whole of the veteran manual, with specific notations and instructions for leading veterans through the group sessions. Together the manuals provided assurance for successful delivery of and fidelity to the content.</p>
<p>NLP/ Structured Data Element Integration in EHRs (PI: Salim Virani)</p>	<p>Natural Language Processing (NLP) was applied to the problem of ensuring that patients receive evidence-based medication prescribing for cardiovascular disease. The CREATE 4 project developed a method to incorporate NLP with structured data elements from the electronic health record to provide decision support to clinicians at the point of care. The effectiveness of this method in improving care for lipid disease will be tested in new HSRD IIR that will start in FY 17.</p>

<p>SAFER Guides (PI: Hardeep Singh)</p>	<p>Dr. Singh's Houston Patient Safety Center team worked with researchers at the University of Texas Health Science Center at Houston's School of Biomedical Informatics as well as researchers at the Oregon Health and Science University, the research corporation Westat, and the Office of the National Coordinator for Health Information Technology (ONC), who sponsored the project, to develop self-assessment guides intended to help organizations proactively detect and reduce patient safety risks associated with electronic health records (EHRs). This group collaboratively developed and beta tested guides for nine different areas that contain recommended practices for optimizing the safety and use of EHRs. These guides are freely available nationally and are being increasingly used by both organizations and vendors.</p>
<p>VA Directive 1088 (PI: Hardeep Singh)</p>	<p>The Houston Patient Safety team worked with The Office of Patient Care Services (10P4) to revise the previous directive (VHA Directive 2009-019) to establish policy regarding communication of test results to providers and patients. VHA is committed to the timely communication of test results, which is essential to ensuring safe and effective health care. Timely communication of test results to patients is essential for high quality patient-centered care. Lack of timely follow-up of abnormal test results has been identified as a contributor to poor outcomes and can be a source of considerable anxiety to patients and families. Patient involvement in test result follow-up is fundamental to improve safety in this area and is consistent with personalized proactive patient-driven care. Patients have a right to access personal health information and expect to be notified of test results in a timely manner. Enhancing timeliness of follow-up of test results is consistent with VHA's goals of providing Veterans with quality health care.</p>
<p>IDENTIFY: Toolkit for Patient Identification (PI: Hardeep Singh)</p>	<p>A Toolkit for the use of health IT in patient identification designed to improve health IT safety. This toolkit is the result of a multi-stakeholder collaborative workgroup chaired by Dr. Hardeep Singh through the Partnership for Health IT Patient Safety. This is the second set of Safe Practice Recommendations for the use of health IT in patient identification designed to improve health IT safety. IDENTIFY stands for: 1) INCLUDE: electronic fields containing patient identification data should consistently use standard identifier conventions; 2) DETECT: use a confirmatin process to help match the patient and the documentstion; 3) EVALUATE: use standard attributes and attribute formats in all transactions to improve matching; 4): NORMALIZE: use a standard display of patient attributes across the various systems; 5): TAILOR: include distinguishing information enhancing identification on screens printouts, and those areas that require interventions; 6): INNOVATE: integrate new technologies to facilitate and enhance identification; 7): FOLLOW-UP: implement monitoring systems to readily detect identification errors; 8). YIELD: include high-specificity active alerts and notifications to facilitate proper identification.</p>

Awards and Honors

1. Amspoker

- a. Journal Editorial Board: Clinical Gerontologist
- b. Journal Editorial Board: Journal of Clinical Psychology in Medical Settings

2. Badr

- a. Co-Leader, Cancer Prevention and Population Sciences Program, Dan L. Duncan Cancer Center
- b. Co-Leader, Cancer Survivorship Disease Oriented Working Group, Dan L Duncan Cancer Center
- c. Core Member, Head and Neck Disease Oriented Working Group, Dan L Duncan Comprehensive Cancer Center
- d. Member, Editorial Board, Journal of Psychosocial Oncology
- e. Member, Scientific Review Group, ZCA1 TCRB-Y (J3) S, Fundamental Mechanisms of Affective and Decisional Processes in Cancer Control
- f. Member, Editorial Board, Journal of Psychosocial Oncology
- g. Member, Department of Medicine Appointment and Promotions Committee
- h. Member, Editorial Board, Journal of Psychosocial Oncology
- i. Consulting Editor, Journal of Family Psychology
- j. Member, Editorial Board, Annals of Behavioral Medicine
- k. Editor, Special Issue, Journal of Psychosocial Oncology, Innovations and Real World Applications of Relationship Research in C
- l. Member, Scientific Review Group NINR ZNR1 REV-M(34) NINR P20 and P30 Centers Meeting Cancer
- m. Member, NCI Subcommittee J – Career Development

3. Bush

- a. Associate Editor, Global Journal of Medicine and Public Health
- b. Assistant Editor, Journal of Vascular Surgery, Venous and Lymphatics
- c. Journal Editorial Board, Journal of Vascular Surgery, Cases
- d. Journal Editorial Board, Women, Identities, and Culture
- e. Journal Editorial Board, Annals of Vascular Surgery
- f. Journal Editorial Board, World Journal of Surgery
- g. Journal Editorial Board, Journal of Vascular Surgery
- h. Texas Medical Association, Council on Medical Education
- i. American College of Surgeons, ACS Foundation, Secretary
- j. American College of Surgeons, ACS Foundation Board of Directors
- k. American College of Surgeons, ACS Foundation/ CFR Committee
- l. American Venous Forum, Chair, Education Council
- m. Association of VA Surgeons, Membership Committee
- n. Society for Vascular Surgery, Document Oversight Committee
- o. Vascular and Endovascular Surgery Society, Board of Directors, Foundation for Vascular Innovation
- p. Assistant Editor, Journal of Vascular Surgery: Venous and Lymphatic Disorders
- q. Vascular surgery oral examiner, American Board of Surgery
- r. VA HSR Review Panel, Learning Healthcare Initiative Randomized Program Evaluation
- s. Assistant Editor, Journal of Vascular Surgery: Venous and Lymphatic Disorders
- t. Board of Directors, American Venous Forum
- u. Co-organizer/facilitator, Early Career Venous Specialist Session for American Venous Forum Annual Meeting, Poster session

4. Davila

- a. Member, National VA VIREC Steering Committee
- b. Member, Dan L Duncan Cancer Center
- c. Member, Biostatistician Recruiting Committee, Dan L Duncan Cancer Center
- d. Member, National VA HSR&D Service Working Group on Data Access, Storage, and Analysis

- e. Member, BCM Faculty Research and Fellowship Support Committee
- f. Member, BCM Faculty Appointments and Promotions Committee
- g. Director, Design and Analysis Program, Center for AIDS Research (CFAR) BCM
- h. Editorial Board, World Journal of Gastroenterology
- i. Editorial Board, World Journal of Clinical Oncology

5. Godwin

- a. BCM, Master Facilitator, Team Launch
- b. Module Leader, Team Launch, Launch Pad Module 3, Applying Teamwork Tools, Part 2: Coaching, Conflict, Capabilities and Conditions
- c. BCM. Co-Module Leader, Team Launch, Launch Pad Module 4, Putting it all together!
- d. BCM, Department of Medicine, Vice Chair Group for Quality Improvement and Innovation, Evaluation Specialist
- e. Co-Director –Advanced Fellows National Curriculum Workgroup, Office of Academic Affiliations, United States Department of Veterans Affairs
- f. Co-leader, Team Projects, Healthcare Quality Track, Quality Enhancement Program, Baylor College of Medicine
- g. Team Member, Quality Enhancement Program Committee, Baylor College of Medicine
- h. Co-Director, VA Quality Scholars Coordinating Center, Center for Innovations in Quality, Effectiveness and Safety (IQuEST), Michael E. DeBakey VA Medical Center
- i. Co-Director, Health Professions Education Evaluation and Research Fellowship, Center for Innovations in Quality, Effectiveness and Safety (IQuEST), Michael E. DeBakey VA Medical Center
- j. Associate Director, Education Core, Center for Innovations in Quality, Effectiveness and Safety (IQuEST), Michael E. DeBakey VA Medical Center

6. Horstman

- a. BCM, GME Faculty Workgroup in Continuous Quality Improvement
- b. Society of Hospital Medicine, Committee Member, Performance Measurement and Reporting Committee

7. Hysong

- a. Member, Baylor College of Medicine Liaison Committee on Medical Education
- b. Member, Fulbright & Jaworski Faculty Excellence Award Review Committee
- c. Subject Matter Expert. U.S. Department of Veterans Affairs Modernization, Functional Review Panel
- d. Subject Matter Expert. VHA Physician Burnout Research Summit
- e. Associate Director, VA Quality Scholars Coordinating Center
- f. VA Scientific Merit Review Board (this is an undersecretary level appointment)
- g. Steering Committee Member. International Audit and Feedback Collaborative Meta-Laboratories
- h. Executive Advisory Board Member, Career Development Award Enhancement Initiative, Health Services Research and Development
- i. Review Panel: Annual Meeting of the Society for Industrial/Organizational Psychology – Program Committee
- j. National Scientific Review Panel: Department of Veterans Affairs Health Services Research and Development Scientific Merit Review Board – member
- k. Subject Matter Expert, VA Pay-for-Performance Initiative
- l. Steering Committee Member, International Audit and Feedback Meta-Laboratories
- m. Norton Rose Fulbright Faculty Excellence Award –Educational Leadership

8. Martin

- a. HSR&D Veteran Engagement Workgroup (national workgroup), Department of Veterans Affairs

9. Meyer

- a. Co-Chair The Society to Improve Diagnosis in Medicine's Research Committee

10. Mills

- a. Member – National Advisory Panel, Suicide Awareness in Veterans Exiting Community Living Centers, Department of Veterans Affairs

- b. Member – VA Decision Making Capacity Education Planning Group (national workgroup for VA Dementia Steering Committee) Department of Veterans Affairs
- c. Member, Public Policy Committee, Development Committee, Pioneer Network
- d. Member – Assessing Stage of Dementia and Decision-Making Capacity Workgroup Department of Veterans Affairs
- e. Member, Suicide Awareness in Veterans Exiting Community Living Centers National Advisory Panel, Department of Veterans Affairs
- f. Lead, Community Living Center Research Interest Group, Department of Veterans Affairs
- g. Member, Caring for Veterans with Serious Mental Illness in CLCs, Department of Veterans Affairs
- h. Member, Public Policy Committee, Development Committee, Pioneer Network
- i. Member, Houston Alliance to Address Dementia Leadership Council, Sheltering Arms Senior Services Division, Neighborhood Centers Inc.
- j. Member Leadership Council Evaluation Work Group, Direct Care Worker of the Year Award Committee, Care for Elders

11. Murphy

- a. Medical Director, General Internal Medicine at Baylor Clinic
- b. Member, BCM Faculty Group Practice (FGP) Patient Quality & Safety Committee
- c. Director, Baylor St. Luke's Medical Group Board of Directors
- d. Member, BCM Department of Medicine Quality Improvement and Innovations Vice Chair Group
- e. Member, BCM Faculty Group Practice (FGP) Business Intelligence Committee
- f. Member, BCM Faculty Group Practice (FGP) Pharmaceutical & Therapeutics (P & T) Committee
- g. Baylor College of Medicine Quality Improvement and Patient Safety, abstract review

12. Naik

- a. Associate Editor & Editorial Board Member: Clinical Gerontology
- b. Standing member, Patient-Centered Outcomes Research Institute (PCORI)
- c. Member, Association of Specialty Professors (ASP)
- d. BCM, Longitudinal Ambulatory Care Education (LACE) Steering Committee
- e. BCM Faculty Committee on Medical Student Curriculum Standing Committee Member
- f. BCM Faculty Standing Committee on Research Member
- g. Texas Medical Center Health Policy Institute
- h. Vice Chair of Quality Improvement and Innovations, Alkek Department of Medicine, Baylor College of Medicine
- i. Director, Coordinating Center for VA Quality Scholars Program

13. Petersen, Laura

- a. Associate Chief of Staff for Research, Michael E. DeBakey VA Medical Center
- b. Chair, Internal Advisory Committee, CPRIT Training Program, "Cancer Prevention Post-Graduate Training Program in Integrative Epidemiology
- c. Member, McNair Campus Steering Committee BCM Clinical Research Work Group
- d. Member, Boston/Bedford CHOIR VA HSR&D Center of Innovations Steering Committee
- e. Member, MEDVAMC Dean's Committee (renamed Joint Executive Management Council in 2017)
- f. Member, MEDVAMC Quality, Safety, and Value (QSV) Board
- g. Member, Clinical Executive Board, MEDVAMC
- h. Member, Texas Medical Center Strategic Planning Initiative Steering Committee
- i. Member, Texas Medical Center Council of Research Directors
- j. Co-Chair, Texas Medical Center Clinical Research Design Team
- k. Health Policy Scholar, Center for Medical Ethics and Health Policy, BCM
- l. Member, Texas Medical Center Women's Leadership Council
- m. Chief, Health Services Research Section, Department of Medicine, Baylor College of Medicine
- n. VA HSR&D Quality Enhancement Research Initiative (QUERI) Strategic Advisory (formerly Research and Methodology) Committee
- o. Member, Association of Specialty Professors (ASP)
- p. Member, Executive Council, MEDVAMC

- q. Member, Texas Medical Center Health Policy Institute
- r. Leader, MEDVAMC Research Value Stream
- s. Member, BCM Strategic Planning Advisory Committee
- t. Member, Greater Houston Healthconnect (GHH) Research Committee
- u. Member, BCM Center of Excellence – Health Equity, Training, and Research Advisory Council
- v. Invited Technical Expert, Evidence-based Synthesis Program (ESP), “Pay for Performance and Veteran Care: Effects, Implementations, and Unintended Consequences”
- w. Fellow, American College of Physicians
- x. Elected Member, American Clinical and Climatological Association (ACCA)
- y. Elected Member, Association of American Physicians (AAP)
- z. Member, Selection Committee, 2018 Research Rehabilitation & Development (RR&D) Paul B. Magnuson Award
- aa. Member, BCM Department of Medicine Vice Chair for Research Committee
- bb. Member, Selection Committee, Junior Investigator of the Year Award, Society of General Internal Medicine, 2008 Annual Meeting; 2017 Annual Meeting; 2018 Annual Meeting
- cc. Member, Los Angeles Center for the Study of Healthcare Innovation, Implementation, and Policy (CSHIIP) VA HSR&D Center of Innovations Steering Committee
- dd. Member, Performance Measurement Committee of the American College of Physicians
- ee. VA Under Secretary’ Award for Outstanding Achievement in Health Services Research, 2018

14. Petersen, Nancy

- a. Chair, American Statistical Association, Committee on Membership Recruitment and Retention
- b. Member of abstract selection committee for American Heart Association
- c. Reviewer for HSRD/QUERI National Conference
- d. Member of abstract selection committee for American Heart Association

15. Sansgiry

- a. Editorial Board Member, Journal of Pharmaceutical Analytics and Insights
- b. Member, Research & Development Committee, Veterans Affairs Medical Center

16. Singh

- a. Member, VA Field Research Advisory Committee (FRAC)
- b. Appointed to the Harris County Medical Society (HCMS) Health Information Technology (HIT) Committee
- c. Nominated Member, National Quality Forum Improving Diagnostic Accuracy Committee
- d. Co-Chair, National Quality Forum Committee for Identification and Prioritization of HIT Patient Safety Measures
- e. Member, Editorial Board, International Journal for Quality in Health Care
- f. Associate Editor, Diagnosis
- g. Co-Chair, Closing the Referral Loop Expert Panel, National Patient Safety, Foundation – Institute for Healthcare Improvement, Boston, MA
- h. Patient Safety Expert of the Year 2017 – Texas award, Corporate Vision Magazine
- i. HHS Appointed Member, Clinical Laboratory Improvement Advisory Committee (CLIAC)
- j. Lead Research Consultant, VHA EPRP Measurement of Communication of Test Results
- k. Initiative
- l. International Journal for Quality in Health Care, Editorial Committee Board
- m. Steering Committee Member, Center for Health Systems and Safety Research, Australian Institute of Health Innovation, Macquarie University, NHMRC Partnership Project: Delivering Safe and Effective Test Result Communication, Management and Follow-Up
- n. Editorial Advisory Board, The Joint Commission Journal on Quality and Patient Safety
- o. International Review Panel for India Alliance Fellowship, The Wellcome Trust/DBT India Alliance

17. Trautner

- a. Ben and Margaret Love Foundation Bobby Alford Award for Academic Clinical Professionalism, BCM, Director of Clinical Research, Department of Surgery, BCM
- b. Data Monitoring Committee member for VA Cooperative Studies Program #2004 “Microbiota or

Placebo after Antimicrobial Therapy for Recurrent C. difficile at Home”

- c. Invited member of SHEA Public Policy and Government Affairs Committee
- d. Chair of Review Panel for 2017 Healthcare Innovations Seed Grants, Department of Medicine
- e. Member, Antimicrobial Stewardship Executive Committee, Houston Health Department
- f. Norton Rose Fulbright Faculty Excellence Award, Enduring Educational Materials
- g. Editorial Board Member, Journal of Surgical Research
- h. NIH NIDDK ZRG1 DKUS-R 90 study section (urology)

18. White

- a. American Public Health Association, Epidemiology Section, National Research Meeting (Abstract reviewer)
- b. Texas Medical Center Digestive Diseases Center (DDC) at Baylor College of Medicine, Member (elected), NIDDK P30 site
- c. Dan L. Duncan Cancer Center at Baylor College of Medicine, Member (elected), NCI P30 site
- d. Center Translational Research in Inflammatory Disease (CTRID) at the Michael E. DeBakey VA Medical Center, Associate Member (elected)
- e. BMC Gastroenterology (Ad hoc reviewer)
- f. Grant Reviewer, Pilot Research Grants, Dept. of Surgery, Michael E. DeBakey VA

19. Woodard

- a. Elected BCM, Faculty Senate Secretary
- b. BCM, Academic Council Representative
- c. Deputy Editor, Journal of General Internal Medicine

Funding

Agency ID	Project Title	HSR Investigator	Source	Total Funds	Start Date	End Date	Status or Project Type
CDA 13-264	Integration of Peer Support Across the PTSD Continuum of Care	N. E. Hundt PhD - Awardee, Houston	HSR&D	\$269,100	10/1/2015	9/30/2020	Career Award
CIN 13-413	Center for Innovations in Quality, Effectiveness and Safety (IQuEST)	L. A. Petersen MD MPH - Center Director, Houston	HSR&D	\$2,166,300	10/1/2013 *Note: Funding renewed for another 5 years beginning 10/1/2018	9/30/2018	HSR&D Core Funding
CRE 12-033	Automated Point-of-Care Surveillance of Outpatient Delays in Cancer Diagnosis	H. Singh MD MPH - PI, Houston G. J. Chen PhD MD MPH - Co-Investigator, Houston A. Meyer PhD - Co-Investigator, Houston D. Murphy MD - Co-Investigator, Houston M. W. Smith PhD - Co-Investigator, Houston N. J. Petersen PhD - Biostatistician, Houston	HSR&D	\$1,025,600	6/1/2013	9/30/2017	Data Collection
CRE 12-035	Identifying and Delivering Point-of-care Information to Improve Care Coordination	L. A. Petersen MD MPH - PI, Houston S. J. Hysong PhD MA BA - Co-PI, Houston A. Amspoker PhD - Biostatistician, Houston	HSR&D	\$864,672	4/1/2013	12/31/2017	Data Collection
CRE 12-310	Adapting and Implementing the Blended Collaborative Care Model in CBOCs	N. J. Petersen PhD - Co-Investigator, Houston	HSR&D	\$7,952	4/1/2016	9/30/2019	Data Collection
CRE 12-314	A Computer-Assisted Cognitive Behavioral Therapy Tool to Enhance Fidelity in CBO	M. Kauth PhD - Co-Investigator, Houston J. A. Lindsay PhD - Co-Investigator, Houston	HSR&D	\$62,582	7/1/2015	6/30/2018	Data Collection

CRE 12-426	Point-of-care health literacy and activation information to improve diabetes care	L. D. Woodard MD MPH - PI, Houston N. E. Hundt PhD - Co-Investigator, Houston A. D. Naik MD BA - Co-Investigator, Houston R. Street PhD MA - Co-Investigator, Houston A. Amspoker PhD - Biostatistician, Houston	HSR&D	\$872,300	3/1/2014	5/31/2018	Data Collection
IIR 12-383	Linking Clinician Interaction and Coordination to Clinical Performance in VA PACT	S. J. Hysong PhD MA BA - PI, Houston A. D. Naik MD BA - Co-Investigator, Houston L. D. Woodard MD MPH - Co-Investigator, Houston A. Amspoker PhD - Biostatistician, Houston	HSR&D	\$664,050	4/1/2014	9/30/2017	Data Collection
IIR 12-395	Identifying and Reducing Catheter-Related Complications	B. Trautner MD - Co-Investigator, Houston	HSR&D	\$329,975	7/1/2014	3/31/2018	Data Collection
IIR 13-315	Effectiveness and Implementation of Brief Cognitive Behavioral Therapy in CBOCs	J. Cully PhD MEd - PI, Houston T. L. Barrera PhD - Co-Investigator, Houston N. E. Hundt PhD - Co-Investigator, Houston M. Kauth PhD - Co-Investigator, Houston M. E. Kunik MD MPH - Co-Investigator, Houston L. Martin PhD - Co-Investigator, Houston M. A. Stanley PhD - Co-Investigator, Houston N. J. Petersen PhD - Biostatistician, Houston	HSR&D	\$607,333	5/1/2015	4/30/2019	Data Collection

IIR 14-101	A multi-level intervention to improve cancer care for hepatocellular carcinoma	J. Davila PhD MS BS - PI, Houston T. P. Giordano MD MPH - Co- Investigator, Houston F. Kanwal MBBS MD - Co- Investigator, Houston L. Martin PhD - Co- Investigator, Houston A. D. Naik MD BA - Co-Investigator, Houston S. Sangiry PhD - Co-Investigator, Houston P. A. Richardson PhD MS BA - Biostatistician, Houston	HSR&D	\$467,000	10/1/2015	9/30/2019	Data Collection
IIR 15-085	Alignment of Treatment Preferences and Repair Type for Veterans with AAA	P. Kougias MD MSc - Co- Investigator, Houston	HSR&D	\$3,216	5/1/2017	4/30/2021	Data Collection
IIR 16-072	Determining and targeting reasons for low statin use to improve guideline-concordant statin therapy in high-risk patients	S. Virani MD - PI, Houston	HSR&D	\$38,309	7/1/2017	6/30/2021	Start Up Activities
NRI 12-415	Telephone Assessment and Skill-Building Intervention for Informal Caregivers	J. A. Anderson PhD NP - Co- Investigator, Houston K. Godwin PhD MPH BS - Consultant, Houston	HSR&D	\$186,528	10/1/2012	9/30/2018	Data Collection
PPO 16-106	Brief Psychotherapy for Depression in Primary Care: Identifying Successful Clinical Practices	J. Cully PhD MEd - Co- Investigator, Houston S. Sangiry PhD - Co-Investigator, Houston	HSR&D	\$4,516	7/1/2017	6/30/2018	Start Up Activities
TPP 97-004	Training Program for Fellows (post Ph.D.s) at Houston COIN	L. A. Petersen MD MPH - Director, Houston	HSR&D	\$47,558	10/1/1996	9/30/2017	Supplemen tal Funding
TPR 06-101	Post Resident Training Program	L. A. Petersen MD MPH - Director, Houston	HSR&D	\$28,382	3/1/2006	9/30/2017	Supplemen tal Funding
USA 14-274	Presidential Early Career Award for Scientists and Engineers	H. Singh MD MPH - Awardee, Houston	HSR&D	\$75,000	1/1/2014	12/31/2018	Career Award
XXX XX- XXX	ADMINISTRATIVE AND TRAVEL REIMBURSEMENTS - Field Based Science Advisors (FBSAs)	L. A. Petersen MD MPH - Center Director, Houston A. MC - Co-Investigator, Reno	HSR&D	\$24,432	1/1/2000	9/30/2020	Administrati ve Funding
RSG 15-058	Psychosocial Intervention for Advanced Lung Cancer Patients and Caregivers	H. Badr, PhD - Principal Investigator, Houston	ACS	\$792,000	7/1/2105	6/30/2019	Data Collection

CA 187143	A Psychosocial Intervention for the Caregivers of Advanced Lung Cancer Patients	H. Badr, PhD - Principal Investigator, Houston	NIH R01	\$2,473,983	9/1/2014	8/31/2019	Data Collection
XXX XX-XXX	Using Implementation Science to Guide Survivorship Care Planning Efforts	H. Badr, PhD - Principal Investigator, Houston	DDCC	\$50,000	6/1/2018	5/30/2019	Data Collection
QIS 18-201	Leading Healthcare Improvement: Leadership Training for Applying Improvement Strategies, start-up funding	K. Godwin, PhD - Principal Investigator, Houston	QUERI	\$56,275	6/1/2018	9/30/2018	Data Collection
17MCPRP3 3390011	Optimizing Patient-Initiated Post-Discharge Care for Patients with Heart Failure	M. Horstman, MD - Principal Investigator, Houston	AHA	\$70,000	1/1/2017	12/31/2018	Data Collection
XXX XX-XXX	Patient Priorities Care Pilot Study	A. Naik, MD - Principal Investigator, Houston	VA GEC	\$100,000	10/1/2017	9/30/2018	Data Collection
XXX XX-XXX	Integrating Patient Priorities Care and Social Work Case Management	A. Naik, MD - Principal Investigator, Houston	VA ORH OSW	\$230,000	10/1/2017	9/30/2018	Data Collection
XXX XX-XXX	Coordinating Center for the VA Quality Scholars Program	A. Naik, MD - Principal Investigator, Houston	VA OAA	\$345,000	7/1/2014	9/30/2019	Fellowship
HX 16-075	Patient Centered Approach to Advanced Liver Disease	F. Kanwal, MD - Co-Principal Investigator, Houston; A. Naik, MD - Co-Principal Investigator, Houston	HSR&D	\$980,000	5/1/2018	4/30/2021	Data Collection
CRE 12-426	Point-of-care health literacy and activation information to improve diabetes care	A. Naik, MD - Principal Investigator, Houston	VA CREATE	\$273,700	3/1/2014	2/28/2018	Data Collection
XXX XX-XXX	Primary Specialty Care Redesign (Carealign) Implementation	A. Naik, MD - Principal Investigator, Houston	Hartford Foundation	\$108,806	1/1/2015	10/1/2018	Data Collection
IK2RX00124 1	Improving Veteran Transitions from VA Community living Centers to the Community	A. Naik, MD - Principal Investigator, Houston	VA CDA		7/1/2014	6/30/2019	Data Collection
XXX XX-XXX	VA Advanced Fellowships in HSR	A. Naik, MD - Principal Investigator, Houston	VA OAA	\$339,000	10/1/2013	9/30/2018	Data Collection
XXX XX-XXX	Houston BD-STEP program	A. Naik, MD - Principal Investigator, Houston	VA OAA/NCI	\$180,000	10/1/2015	9/30/2017	Fellowship
HX 17-066	Comparative Effectiveness of Alternative Strategies for Monitoring Hospital Surgical Performance	N. Massarweh MD – Principal Investigator; L. Petersen, MD, MPH - Co-Investigator; P. Richardson, PhD - Co-Investigator	HSR&D	\$407,802	5/1/2017	4/30/2020	Data Collection

HX 16-072	Determining and targeting reasons for low statin use to improve guideline-concordant statin therapy in high-risk patients	S. Virani, MD, PhD – Principal Investigator; L. Martin, PhD - Co-Investigator; L. Petersen, MD, MPH - Co-Investigator; P. Richardson, PhD - Co-Investigator; R. Street, PhD - Co-Investigator	HSR&D	\$1,097,703	7/1/2017	6/30/2021	Data Collection
HX 15-438	Improving the Measurement of VA Facility Performance to Foster a Learning Healthcare System	L. Petersen, MD, MPH - Principal Investigator; S. Hysong, PhD - Co-Investigator	HSR&D	\$1,099,174	6/1/2017	8/31/2020	Data Collection
HX-16-025	Less is More: Improving Antimicrobial Stewardship for Asymptomatic Bacteriuria	B. Trautner, MD, PhD – Principal Investigator; L. Petersen, MD, MPH - Co-Investigator; S. Hysong, PhD - Co-Investigator; J. Kramer, PhD - Co-Investigator; A. Naik, MD - Co-Investigator	HSR&D	\$1,095,924	2/1/2018	1/31/2019	Data Collection
R01	Optimizing Alpha-fetoprotein as a Biomarker for Detecting Hepatocellular Carcinoma	J. Davila PhD MS BS - Co-Investigator	NIH NCI R01	\$1,200,000	4/1/2015	3/31/2019	Data Collection
	A Multi-level Intervention to Improve Cancer Care for Hepatocellular Carcinoma	J. Davila PhD MS BS - Principal Investigator	HSR&D	\$1,997,000	10/1/2015	9/30/2019	Data Collection
XXX XX-XXX	National Cancer Institute/Department of Veterans Affairs Big Data Fellowship in Cancer Research	J. Davila PhD MS BS - Co-Director	NCI/VA	\$40,000	10/1/2015	9/30/2018	Fellowship
XXX XX-XXX	QUERI-OAA Centers of Excellence in Primary Care Training Program: Participant Survey	J. Davila PhD MS BS - Principal Investigator	VA QUERI OAA	\$50,000	10/1/2014	9/30/2018	Fellowship
XXX XX-XXX	Effectiveness of Zepatier™ (elbasvir (EBR)/grazoprevir (GZR)) co-administered with Ribavirin (RBV) treatment for 16 weeks duration in chronic hepatitis C virus (HCV) genotype 1a (GT1a)-infected patients with selected baseline NS5A resistance associated substitutions: A retrospective observational analysis of the US Veterans Health Administration (VHA) National Data	J. Kramer, PhD - Co-PI	Merck & Co	\$261,903	1/1/2018	12/31/2018	Data Collection

CX 001430	Sex hormones and HCV-related liver disease progression	D. White, PhD - Principal Investigator	VA CSR&D	\$950,000	7/1/2017	6/1/2021	Data Collection
CA 206479	Identifying Novel Pharmacologic Risk factors for Common Malignancies In Individuals with Well-controlled HIV Infection (PQ3)	D. White, PhD - Co-Investigator	NCI R01	\$1,968,930	7/1/2016	06/31/2020	Data Collection
RP 150587	The Texas Hepatocellular consortium (THCCC)	D. White, PhD - Co-Investigator	CPRIT	\$9,771,157	6/1/2015	5/1/2020	Data Collection
CA 190776	A New Lab Based Algorithm for HCC Surveillance in Patients with Cirrhosis	D. White, PhD - Co-Investigator	NCI R01	\$1,793,421	1/1/2015	12/1/2019	Data Collection
HS 025474	Engaging Patients in Diagnostic Error Reporting	T. Giardina, PhD – Principal Investigator; H. Singh, MD – Co-Investigator	AHRQ K01	\$766,326	09/01/2018	08/31/2023	Data Collection