

Revised: 1/1/2024

CURRICULUM VITAE
JEREMIAH D. SCHUUR, MD, MHS, FACEP

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EDUCATION:

Undergraduate:	5/1996	Williams College, Williamstown, MA History, Biology, BA, cum laude
Medical School:	5/2001	New York University School of Medicine, New York, NY MD, Alpha Omega Alpha
Master Program:	6/2007	Yale University School of Medicine, New Haven, CT Master of Health Science, MHS
Certificate(s):	5/2010	Harvard Business School, Boston, MA Brigham Leadership Program, Executive Education Certificate
	5/2017	Association of Academic Chairs of Emergency Medicine (AACEM), Chair Development Program, Des Plaines, IL, Certificate
	1/2019	Harvard TH Chan School of Public Health, Boston, MA Program for Chairs of Clinical Services, Certificate
	1/2021	Lifespan Corporation, Quality & Safety, Providence, RI Six Sigma Administrative Green Belt
	5/2021	Lifespan Corporation, Leadership, Excellence Advancement Program (LEAP), Providence, RI Completion of Program, Certificate
	5/2024	Coaching for Leaders Academy, Leadership, Completion of Program, Certificate (anticipated May 2024)

POSTGRADUATE TRAINING:

Residency:	06/01-06/05	Brown Medical School/Rhode Island Hospital, Emergency Medicine Residency Program, Providence, RI Resident
	07/04-06/05	Brown Medical School/Rhode Island Hospital, Emergency Medicine Residency Program, Providence, RI Chief Resident
Fellowship:	07/05-06/07	Yale University School of Medicine, New Haven, CT Department of Internal Medicine, Robert Wood Johnson Clinical Scholars Program, Fellowship

POSTGRADUATE HONORS & AWARDS

2002 Young Investigator's Research Award, Finalist, Rhode Island Hospital

- 2004 National Emergency Medicine CPC Competition, Runner-Up, American College of Emergency Physicians, awarded for teaching
- 2004 Augustine D’Orta Award, Emergency Medicine Residents’ Association, awarded for community service
- 2005 Haffenreffer House Staff Excellence Award, Rhode Island Hospital, awarded for clinical skills
- 2005 Resident Research Award, Brown Medical School, Emergency Medicine Residency Program
- 2010 Top Consultant for 2010, *Annals of Emergency Medicine*, awarded to the top 50 peer-reviewers based on outstanding timeliness, quality of review, & volume of reviews
- 2010 Partners in Excellence Award, Partners HealthCare System, awarded as a member of Brigham & Women’s Hospital Catheter Associated Urinary Tract Infection Task Force for teamwork
- 2012 Young Investigator Award, Society for Academic Emergency Medicine
- 2013 Junior Faculty Mentoring Award, Brigham & Women’s Hospital Center for Faculty Development & Diversity, for achievement in one, or more, of the 4 pillars of academic life: clinical care, research, education, & community service
- 2013 Partners in Excellence Award, Partners HealthCare System, award as member of the Brigham & Women’s Hospital Central Venous Catheter Safety Team
- 2013 Richard D. Zane Faculty Mentoring Award, Brigham & Women’s Hospital, Department of Emergency Medicine, Harvard Medical School, awarded by vote of faculty peers to the best attending physician mentor
- 2014 Excellence in Tutoring, Harvard Medical School, awarded for course Clinical Epidemiology & Population Health
- 2015 Bright Idea Award, *Choosing Wisely*[®] Challenge, American Board of Internal Medicine Foundation, awarded to a team of 3 for a “bright idea” around a proposal to identify seriously ill patients who would benefit from a conversation to facilitate improved end-of-life planning
- 2016 Faculty Mentorship Award, Department of Emergency Medicine, Brigham & Women’s Hospital, awarded by vote of faculty peers to the best attending physician mentor
- 2016 Partners in Excellence Award, Partners HealthCare System, awarded as a member of the Brigham & Women’s Hospital Emergency Department Medication Reconciliations Support Team
- 2018 Emergency Medicine Foundation’s Best Paper Award presented at the 2018 ACEP Research Forum; Collaborator on the paper, “In an Emergency, Get Fined for Being Fine: Accuracy and Insurance Policy to Retrospectively Deny Emergency Department Coverage Based on Discharge Diagnoses”
- 2018 Ron Walls Leadership Award, Brigham & Women’s Hospital, Department of Emergency Medicine, awarded by vote of faculty peers
- 2019 Emergency Medicine Residents Association’s (EMRA) 45 Under 45 Award recipient. This award celebrates young influencers in EM who shape the future of EM by making a difference in the community, hospitals & specialty. Awardees were selected out of over 400 nominations.
- 2019 2019 1st Place award in the abstract category of optimization of patient care setting or improving discharge transitions. Awarded to the E-QUAL Team & ACEP for our value improvement project: Emergency Quality Network (E-QUAL) A National Patient-Focused Practice Change Initiative
- 2020 Special Service Award, Rhode Island Chapter, American College of Emergency Physicians (RI ACEP).

2020 Masters of Arts ad eundem degree, Brown University

PROFESSIONAL LICENSES & BOARD CERTIFICATONS:

07/2004, 09/2018-06/30/2024	Rhode Island Medical License
07/2004, 09/2018-06/30/2024	Rhode Island Controlled Substance
04/2007, 01/01/2017-12/31/2026	American Board of Emergency Medicine
04/2005-03/2008	Connecticut Medical License
05/2007- 03/2024	Massachusetts Medical License
05/2007 – 2024	Massachusetts Controlled Substance
01/14/2016-02/28/2019; 01/03/2019-02/28/2024	Controlled Substance Registration, Drug Enforcement Administration (DEA)

ACADEMIC APPOINTMENTS:

07/2004-06/2005	Assistant Instructor, Department of Emergency Medicine Brown Medical School, Brown University, Providence, RI
08/2007-08/2011	Instructor, Division of Emergency Medicine, Department of Medicine Harvard Medical School, Boston, MA
09/2011- 09/2014	Assistant Professor, Division of Emergency Medicine, Department of Medicine Harvard Medical School, Boston, MA
10/2014-04/2018	Assistant Professor, Department of Emergency Medicine Harvard Medical School, Boston, MA
04/2018-11/2018	Associate Professor, Department of Emergency Medicine Harvard Medical School, Boston, MA
12/2018 – 11/2022	Professor, Emergency Medicine, Research Scholar Track Alpert Medical School, Brown University, Providence, RI
12/2018 -11/2022	<i>Frances Weeden Gibson-Edward A. Iannuccilli, MD</i> Professor, Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
12/2018 – 11/2022	Chair, Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
3/1/19 – 11/2022	Professor, Health Services, Policy & Practice, Research Scholar Track Alpert Medical School, Brown University, Providence, RI
12/2022 – current	Adjunct Professor, Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
12/2022 – current	Adjunct Professor, Department of Health Services, Policy & Practice, Alpert Medical School, Brown University, Providence, RI
pending	Professor, Department of Emergency Medicine, Tufts Medical School, Boston, MA

HOSPITAL APPOINTMENTS:

2002-2004	Resident Coordinator, Pediatric Critical Care Transport Team Pediatric Critical Care Unit, Rhode Island Hospital, Providence, RI
08/2004-06/2005	Part-Time Attending Physician, Department of Emergency Medicine Memorial Hospital of Rhode Island, Pawtucket, RI
07/2005-06/2007	Attending Physician, Department of Emergency Medicine Yale-New Haven Hospital, New Haven, CT
08/2007-11/2018	Attending Physician, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
2008-11/2018	Director of Quality & Patient Safety, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
2010-11/2018	Director of Performance Improvement, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
2012-11/2018	Course Director, Geriatrics: Delirium & End of Life Care STRATUS Center for Medical Simulation, Brigham & Women's Hospital, Boston, MA
2012-11/2018	Chief, Division of Health Policy Translation, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
2013-2016	Director, Fellowship in Health Policy Research & Translation Department of Emergency Medicine, Brigham & Women's Hospital, Boston, MA
2013-2016	Vice Chair, Quality & Safety, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
07/2014-11/2018	Attending Physician, Department of Emergency Medicine Brigham & Women's Faulkner Hospital, Jamaica Plain, MA
2016-11/2018	Vice Chair, Clinical Affairs, Department of Emergency Medicine Brigham & Women's Hospital, Boston, MA
12/2018-11/2022	Physician-in-Chief, Department of Emergency Medicine Rhode Island & Hasbro Children's Hospitals, Providence, RI
12/2018-11/2022	Physician-in-Chief, Department of Emergency Medicine The Miriam Hospital, Providence, RI
12/2018-11/2022	Physician-in-Chief, Department of Emergency Medicine Newport Hospital, Newport, RI
12/2018-12/2023	Attending Physician, Department of Emergency Medicine Rhode Island & Hasbro Children's Hospitals, Providence, RI
12/2018-12/2023	Attending Physician, Department of Emergency Medicine The Miriam Hospital, Providence, RI
12/2018-12/2023	Attending Physician, Department of Emergency Medicine Newport Hospital, Newport, RI
8/2023-12/2023	Chief, Department of Emergency Medicine St. Elizabeth's Medical Center, Brighton, MA

OTHER APPOINTMENTS:

2002-2005 Journal Club Coordinator, Emergency Medicine Residency Program
Brown Medical School, Providence, RI

2007-11/2018 Course Director, Morbidity & Mortality Conference,
Department of Emergency Medicine, Brigham & Women's Hospital/
Harvard Medical School, Department of Continuing Education,
Boston, MA

2008-2011 Reviewer, *Journal of Emergency Medicine*

2009-2014 Primary Care & Emergency Medicine Scientific Advisory Board
United Health Care, St. Paul, MN

2010 Reviewer, *New England Journal of Medicine*

2010-11/2018 Clinical Leader for Emergency Medicine Pay for Performance Measures
Partners HealthCare, Partners Community HealthCare, Inc., Boston, MA

2011 Reviewer, *American Journal of Infection Control*

2011-2014 Member, Medicare Evidence Development & Coverage Advisory Committee (MEDCAC)
Centers for Medical & Medicaid Services (CMS), Baltimore, MD

2013-11/2018 Consultant, Emergency Department Structuring
Department of Emergency Medicine, Brigham & Women's Hospital, Boston, MA

2013-01/2019 Senior Advisor, Emergency Medicine Foundation Health Policy Fellowship
Emergency Medicine Foundation (EMF), Dallas, TX

2014-11/2018 Associate Medical Director for Emergency Medicine
Controlled Risk Insurance Company (CRICO), Cambridge, MA

2014 – 2021 Reviewer, Emergency Medicine Foundation, Health Policy Scholar Grants

2015 – present Editorial Board Member, *ACEP Now*

2017 Advisor, UK National Health Service (NHS)

11/2017 – 09/2019 Member, Board of Advisors, National Center for Health Statistics (NCHS) Health Policy Fellowship
Program

2018 Member, AMC PSO Emergency Medicine Behavioral Health Taskforce

12/2018 – 11/2022 President, Brown Emergency Medicine
Brown Physicians, Inc., Providence, RI

12/2018 – 11/2022 Member, Brown Physicians, Inc. (BPI)
Board of Directors, Providence, RI

05/2019 – 11/2022 Member, RI Cost Trends Report Design Workgroup, partnership with Peterson Center on Health Care;
RI Executive Office Health & Human Services, Office of the Health Insurance Commissioner; & Brown
University, Providence, RI

05/2021 – 11/2022 Member, Rhode Island Sound Enterprises (RISE)/ Lifespan Risk Management
Board of Directors, Providence, RI

06/2021 - 11/2022 Member, Continuum of Care for Behavioral Health Patients Workgroup
RI Governor's Office, Lifespan, Care New England, Providence, RI

- 09/2021 – 11/2022 Member, Lifespan Risk Services' Claims Committee
Lifespan, Providence, RI
- 10/2021 – 10/2022 Treasurer, Brown Physicians, Inc. (BPI)
Board of Directors, Providence, RI

AD HOC REVIEWER:

- New England Journal of Medicine*
Journal of the American Medical Association
The BMJ
BMJ Quality & Safety
American Journal of Infection Control
Annals of Emergency Medicine
Academic Emergency Medicine
The Joint Commission Journal on Quality & Patient Safety
Journal of Emergency Medicine
Canadian Medical Association Journal
Journal of the American Geriatric Society
Health Services Research

HOSPITAL COMMITTEES:

- 2008-2014 Member, Pneumonia Quality Improvement Committee
Brigham & Women's Hospital, Boston, MA
- 2008-2014 Member, Central Venous Catheter Safety Team
Brigham & Women's Hospital, Boston, MA
- 2008-2015 Member, Catheter-Associated UTI Task Force
Brigham & Women's Hospital, Boston, MA
- 2008- 2016 Chairperson, Emergency Department Continuous Quality Improvement Committee
2017 - 11/2018 Member, Emergency Department Continuous Quality Improvement Committee
Brigham & Women's Hospital Boston, MA
- 2008 – 11/2018 Member, Quality Assurance – Risk Management Committee
Brigham & Women's Hospital, Boston, MA
- 2009 – 2010 Member, Quality Leadership Council
Brigham & Women's Hospital, Boston, MA
- 2010-2011 Member, Quality & Safety Director's Council
Brigham & Women's Hospital, Boston, MA
- 2009 - 11/2018 Chairperson, Emergency Department Peer-Review Committee
- 2009 - 11/2018 Member, Center Expertise in Quality & Patient Safety
Partners HealthCare, Boston, MA
- 2010 – 11/2018 Member, Performance Improvement Council
Brigham & Women's Hospital, Boston, MA
- 2010 – 11/2018 Member, Emergency Medicine Leaders' Group
Partners HealthCare, Partners Community HealthCare, Inc.
- 2013 – 11/2018 Member, BWPO Care Redesign Incubator & Start-Up Program (B-CRISP)

Brigham & Women's Hospital, Boston, MA

2013 – 2014
2014 – 11/2018 Member, Department of Emergency Medicine Search Committee
Chairperson, Department of Emergency Medicine Search Committee
Brigham & Women's Hospital, Boston, MA

2013 – 2016
2016 – 11/2018 Member, Emergency Department Clinical Operations Group
Chairperson, Emergency Department Clinical Operations Group
Brigham & Women's Hospital, Boston, MA

2013 – 11/2018 Member, Care Improvement Council
Brigham & Women's Hospital, Boston, MA

2015 – 11/2018 Member, Sepsis Task Force
Brigham & Women's Hospital, Boston, MA

2017 – 11/2018 Member, Clinical Operations Team Leadership
Brigham & Women's Hospital, Boston MA

2017 – 11/2018 Member, Ambulatory Medicine Services Sub-Committee
Department of Medicine Strategic Planning Committee
Brigham & Women's Hospital, Boston, MA

2017 – 11/2018 Member, Inpatient & Emergency Executive Committee
Brigham & Women's Hospital, Boston, MA

2017 – 11/2018 Member, Code Help Task Force
Brigham & Women's Hospital, Boston, MA

12/2018 – 11/2022 Chair, Emergency Medicine Executive Committee,
Department of Emergency Medicine, Lifespan, Providence, RI

12/2018 – 11/2022 Member, Emergency Medicine Clinical Care Operations Committee,
Department of Emergency Medicine, Lifespan, Providence, RI

12/2018 – 11/2022 Member, Rhode Island Hospital Medical Executive Committee
Lifespan, Providence, RI

12/2018 – 11/2022 Member, Lifespan Emergency Services Executive Council (LESEC)
Department of Emergency Medicine, Lifespan, Providence, RI

08/2019 - 11/2022 Member, Physician Advisory (Leadership) Council
Lifespan, Providence, RI

10/2019 – 11/2022 Member, Physician Alignment Steering Committee
Lifespan, Providence, RI

12/2019 – 7/2020 Member, Lifespan Executive Vice President/Chief Operating Officer Search Committee
Lifespan, Providence, RI

12/2019 – 8/2020 Member, Rhode Island Hospital Senior Vice President/ Chief Nursing Officer Search Committee
Rhode Island Hospital, Lifespan, Providence, RI

02/2020 – 11/2022 Member, Lifespan Quality Oversight Committee
Lifespan Board of Directors' Sub-Committee, Lifespan, Providence, RI

03/2020 - 11/2022 Member, Brown EM TeleCARE Leadership Committee

Brown Emergency Medicine, Providence, RI

- 05/2020 – 05/2021 Member, COVID-19 System-wide Leadership Team
Lifespan, Providence, RI
- 09/2020 – 12/2020 Member, Rhode Island Hospital Chief Medical Officer Search Committee
Rhode Island Hospital, Lifespan, Providence, RI
- 9/2020 - 11/2022 Member, Lifespan Patient Flow, Throughput & Capacity Initiative Workgroup
Lifespan, Providence, RI
- 12/2020 – 04/2021 Member, Rhode Island Hospital Day of Giving Executive Committee
Rhode Island Hospital Foundation, Lifespan, Providence, RI
- 03/2021 – 11/2022 Member, Rhode Island Hospital Quality Oversight Committee
Rhode Island Hospital, Lifespan, Providence, RI
- 03/2021 – 11/2022 Member, Lifespan Telehealth Steering Committee
Lifespan, Providence, RI
- 05/2021 - 11/2022 Member, Lifespan Risk Management Committee
Lifespan, Providence, RI
- 06/2021 - 11/2022 Member, Lifespan 2021 Barnet Fain Quality Award Review Committee
Lifespan, Providence, RI
- 08/2023 - present Member, St. Elizabeth’s Medical Center, Medical Executive Committee
Brighton, MA
- 09/2023 - present Member, St. Elizabeth’s Medical Center Patient Safety Triage Team Committee,
Brighton, MA
- 08/2023 - present Member, St. Elizabeth’s Medical Center, Quality and Safety Committee
Brighton, MA
- 01/2024 - present Member, St. Elizabeth’s Medical Center, Pharmacy and Therapeutics Committee
Brighton, MA

UNIVERSITY COMMITTEES:

- 2017 – 11/2018 Member, Emergency Medicine Residency Executive Committee
Brigham & Women’s/Massachusetts General Hospitals, Harvard Medical School, Boston, MA
- 12/2018 – 11/2022 Member, Senior Faculty Promotions Committee
Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
- 12/2018 – 11/2022 Chair, Emergency Medicine Faculty Search Committee
Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
- 12/2018 – 11/2022 Chair, Emergency Medicine Faculty Evaluation Committee
Department of Emergency Medicine, Alpert Medical School, Brown University, Providence, RI
- 12/2018 – 11/2022 Member, Council of Clinical Chairs

- Medicine & Biological Sciences, Alpert Medical School, Brown University, Providence, RI
- 12/2018 – 11/2022 Member, Joint Council of Chairs
Medicine & Biological Sciences, Alpert Medical School, Brown University, Providence, RI
- 08/2019 – 2020 Member, Levinger Professor of Cardiovascular Medicine Search Committee
Alpert Medical School, Brown University, Providence, RI
- 06/2021 – 11/2022 Member, Chair & Chief of Family Medicine Search Committee
Alpert Medical School, Brown University, Providence, RI

OTHER COMMITTEES:

- 2003-2004 Member, Rhode Island Secretary of State's Task Force on Health Insurance Costs & the Uninsured
Office of the Secretary of State, Providence, RI
- 2008 – 2010 Member, Defining Quality Performance Measures for Pediatric Emergency Care Committee
Children's Hospital of Philadelphia (under a grant from Health Resources & Services Administration), Philadelphia, PA
- 2010 – 11/2018 Member, Emergency Medicine Leadership Council
Controlled Risk Insurance Company (CRICO), Woburn, MA
- 2011 – 11/2018 Member, Spread Committee, Clinical Experts
Controlled Risk Insurance Company (CRICO), Woburn, MA
- 2011 Member, Defining the Agency for Healthcare Research & Quality (AHRQ),
Quality Indicators for Emergency Care, Technical Expert Panel –
University of California Davis (under contract from AHRQ)
- 2011 Member, Panel to develop measures of healthcare-associated infections (HAIs) in surgical care settings
Battelle (under contract from AHRQ), Columbus, OH
- 2011 – 2013 Emergency Medicine Representative, Physician Council for Performance Improvement (PCPI)
American Medical Association, Chicago, IL
- 2011 – 2014 Member, Medicare Evidence Development & Coverage Advisory Committee (MEDCAC)
Centers for Medical & Medicaid Services, Baltimore, MD
- 2012 – 2015 ACEP Member & Representative, Stop CAUTI ED Workgroup,
Health Research & Educational Trust
American Hospital Association, Washington, DC
- 2012 – 11/2018 Member, ED Leaders Collaborative
Controlled Risk Insurance Company (CRICO), Woburn, MA
- 2013 Member, Regionalized Emergency Medical Care Services Expert Panel
National Quality Forum, Washington, DC
- 2014 – 2015 Member, Linking Cost & Quality Measures Expert Panel
National Quality Forum, Washington, DC
- 2014 – 2015 Member, Measure Applications Partnership (MAP) Clinician Workgroup
National Quality Forum, Washington, DC
- 2014 – 2015 Member, 2015 Academic Emergency Medicine Consensus Conference Planning Committee

	Society for Academic Emergency Medicine (SAEM), Des Plaines, IL
2015 – 2018	Hospital Measure Development & Maintenance Technical Expert Panel Mathematica Policy Research, Princeton, NJ
2016	Expert Panelist, Protecting Access to Medicare Act of 2014 Imaging Appropriateness Policy Working Group High Value Healthcare Collaborative, Washington, DC
12/2018 – 11/2022	Member, Finance Committee Brown Emergency Medicine, Providence, RI
12/2018 – 11/2022	Member, Clinical Practice Committee Brown Physicians, Inc., Providence, RI
12/2018 – 11/2022	Member, Benefits Committee Brown Emergency Medicine, Providence, RI

MEMBERSHIP IN SOCIETIES:

2000 – present	American College of Emergency Physicians (ACEP), Dallas, TX
2003 - 2008	Member, State Legislative & Regulatory Affairs Committee
2005 - present	Member, Quality & Performance Committee
2006 – 2008	Co-Chair, State Legislative & Regulatory Affairs Committee
2008 - 2015	Workgroup Co-Chair, Quality & Performance Committee
2008	Member, Research Committee – National Emergency Medicine Stakeholders Steering Committee
2009 – 2010	Member, Value-Based Emergency Care Task Force
2009 – 2010	Member, Episodes of Care Task Force
2011 – 2012	Member, Delivery System Reform Task Force
2012 – 2013	Member, Cost-Effective Care Task Force
2012 – 2014	Chair, Cost-Effective Care Delphi Panel
2012 – 2014	Member, Advisory Group to the ACEP Board of Directors
2013 – 2016	Co-Chair, Quality Measures Technical Expert Panel
2015 - present	Member, Clinical Emergency Data Registry (CEDR) Committee
2015 - present	Member, Quality and Patient Safety Committee (QPSC)
2015 - present	Vice Chair, Clinical Emergency Data Registry Quality Members Sub-Committee
2001 - 2005	Emergency Medicine Residents’ Association (EMRA), Irving, TX
2002 – 2004	Brown Medical School Emergency Medicine Residency Representative
2002 – present	Society for Academic Emergency Medicine (SAEM), Des Plaines, IL
2009 – 2012	Member, Guidelines/External Collaboration Committee
2002 – 2005, 11/2018 - present	Rhode Island Medical Society (RIMS), Providence, RI
11/2018 – present	Association of Academic Chairs of Emergency Medicine (AACEM), Des Plaines, IL
2019-2023	Member, AACEM Benchmark Committee

2020- 2023
2020-05/2021

Member, AACEM Diversity, Equity, & Inclusion Workgroup
Chair, AACEM Member Advocacy Workgroup

PUBLICATIONS LIST:

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Keenan PS, Normand SL, Lin Z, Drye EE, Bhat KR, Ross JS, **Schuur JD**, Stauffer BD, Bernheim SM, Epstein AJ, Wang Y, Herrin J, Chen J, Federer JJ, Mattera JA, Wang Y, Krumholz HM. An administrative claims measure suitable for profiling hospital performance on the basis of 30-day all-cause readmission rates among patients with heart failure. *Circ Cardiovasc Qual Outcomes*. 2008;1(1):29-37.
2. Resnick HE, **Schuur JD**, Heineman J, Stone R, Weissman JS. Advance directives in nursing home residents aged > 65 Years: United States 2004. *Am J Hosp Palliat Care*. 2008;25(6):476-82.
3. Horwitz LI, Meredith T, **Schuur JD**, Shah NR, Kulkarni RG, Jenq GY. Dropping the baton: A qualitative analysis of failures during the transition from emergency department to inpatient care. *Ann Emerg Med*. June 2009;53(6):701-10. DOI: <https://doi.org/10.1016/j.annemergmed.2008.05.007>
4. **Schuur JD**, Justice A. Measuring quality of care in syncope: case definition affects reported electrocardiogram use but does not bias reporting. *Acad Emerg Med*. 2009;16(1):40-49.
5. Trivedi K, **Schuur JD**, Cone DC. Can paramedics read ST-segment elevation myocardial infarction on prehospital 12-lead electrocardiograms? *Prehosp Emerg Care*. 2009;13(2):207-14.
6. Horwitz LI, Parwani V, Shah NR, **Schuur JD**, Meredith T, Jenq GY, Kulkarni RG. Evaluation of an asynchronous physician voicemail sign-out for emergency department admissions. *Ann Emerg Med*. 2009;54(3):368-78. DOI: <https://doi.org/10.1016/j.annemergmed.2009.01.034>
7. **Schuur JD**, Shah A, Wu Z, Forman HP, Gross CP. The impact of Medicaid coverage and reimbursement on access to diagnostic mammography. *Cancer*. 2009 Dec 1;115(23):5566-78.
8. Geisler BP, **Schuur JD**, Pallin DJ. 2010 estimates of electronic medical records in U.S. emergency departments. *PloS One*. 2010 Feb 17;5(2):e9274.
9. **Schuur JD**, Tibbetts SA, Pines JM. Pregnancy testing in women of reproductive age in U.S. emergency departments, 2002 To 2006: Assessment of a national quality measure. *Ann Emerg Med*. 2010 May;55(5):449-57. DOI: <https://doi.org/10.1016/j.annemergmed.2009.08.017>
10. Rothschild JM, Churchill W, Erickson A, Munz K, **Schuur JD**, Salzberg CA, Lewinski D, Shane R, Aazami R, Patka J, Jagers R, Steffenhagen A, Rough S, Bates DW. Medication errors recovered by emergency department pharmacists. *Ann Emerg Med*. 2010 Jun;55(6):513-21. DOI: <https://doi.org/10.1016/j.annemergmed.2009.10.012>
11. **Schuur JD**, Chu G, Sucov A. Effect of oral contrast for abdominal computed tomography on emergency department length of stay. *Emerg Radiol*. 2010 Jul;17(4):267-73.
12. Qualls M **, Pallin DJ, **Schuur JD**. Parametric vs. non-parametric statistical tests: the length of stay example. *Acad Emerg Med*. 2010 Oct;17(10):1113-21.
13. Lemaster CH* **, **Schuur JD***, Pallin DJ, Agrawal A, Silva J, Pandya D, Hou P. Infection and natural history of emergency department placed central venous catheters. *Ann Emerg Med*. 2010 Nov;56(5):492-7. DOI: <https://doi.org/10.1016/j.annemergmed.2010.05.033>
14. **Schuur JD**, Venkatesh AK, Bohan JS. Variation in the use of observation status evaluation in Massachusetts acute care hospitals, 2003-2006. *Intl J Emerg Med*. 2010 Dec: 3(4):367-372.

15. Lemaster CH, Agrawal A, Hou P, **Schuur JD**. Systematic review of emergency department central venous and arterial catheter infection. *Intl J Emerg Med*. 2010 Dec; 3(4):409–423.
16. Raja AS, Andruchow J, Zane R, Khorasani R, **Schuur JD**. Use of neuroimaging in U.S. emergency departments. *Arch Intern Med*. 2011 Feb 14;171(3):260-2.
17. Carpenter CR, **Schuur JD**, Everett WW, Pines JM. Evidence-based diagnostics: Adult septic arthritis. *Acad Emerg Med*. 2011 Aug; 18(8):781-96.
18. Smulowitz P, Lipton R, Wharam F, Weiner S, Adelman L, Weiner SG, Burke L, Baugh CW, **Schuur JD**, Liu S, McGrath M, Liu B, Sayah AJ, Burke MC, Pope H, Landon B. Emergency department utilization after the implementation of Massachusetts health reform. *Ann Emerg Med*. 2011 Sept.;58(3):225-34. DOI: <https://doi.org/10.1016/j.annemergmed.2011.02.020>
19. Venkatesh AK **, Pallin D, Kayden S, **Schuur JD**. Predictors of hand hygiene in the emergency department. *Infect Control Hosp Epidemiol*. 2011 Nov; 32(11):1120-3.
20. Venkatesh AK **, Geisler BP, Gibson-Chambers J, Baugh CW, Bohan JS, **Schuur JD**. Use of observation care in U.S. emergency departments, 2001 to 2008. *PLoS ONE* 2011 6(9): e24326. DOI:10.1371/journal.pone.0024326
21. **Schuur JD**, Brown MD, Cheung D, Graff L, Griffey RT, Hamedani AG, Kelly JJ, Klauer K, Phelan M, Sierzenski, PR, Raja AS. Assessment of Medicare's imaging efficiency measure for emergency department patients with atraumatic headache. *Ann Emerg Med*. 2012 Sep;60(3):280-90. DOI: <https://doi.org/10.1016/j.annemergmed.2011.12.025>
22. Baugh CW, Venkatesh AK, Hilton JA, Samuel PA, **Schuur JD**, Bohan JS. Making greater use of dedicated hospital observation units for many short-stay patients could save \$3.1 billion a year. *Health Affairs*. 2012 Oct;31(10):2314-23.
23. Liu SW, Chang Y, Camargo CA Jr, Weissman JS, Walsh K, **Schuur JD**, Deal J, Singer SJ. A mixed-methods study of the quality of care provided to patients boarding in the emergency department: comparing emergency department and inpatient responsibility models. *Med Care Res Rev*. 2012 Dec;69(6):679-98.
24. Reardon JM, Valenzuela JE, Parmar S, Venkatesh AK, **Schuur JD**, Allen MB, Pallin DJ. The time burden of alcohol-based hand cleanser when using nonsterile gloves. *Infect Control Hosp Epidemiol*. 2013 Jan;34(1):96-8. DOI: 10.1086/668781. Epub 2012 Nov 27.
25. Shankar KN **, Bhatia BK, **Schuur JD**. Toward patient-centered care: A systematic review of older adults' views of quality emergency care. *Ann Emerg Med*. 2013 Sep 16. PII: S0196-0644(13)01234-1. DOI: <https://doi.org/10.1016/j.annemergmed.2013.07.509>
26. Bell EJ, Takhar SS, Beloff JR, **Schuur JD**, Landman AB. Information technology improves emergency department patient discharge instructions completeness and performance on a national quality measure: A quasi-experimental study. *Appl Clin Inform* 2013;4(4):499-514.
27. Raja AS, **Schuur JD**, Pines JM, Muir M, Calfee R, Carpenter CR. Evidence-based diagnostics: Meta-analysis of the accuracy of physical exam and imaging for adult scaphoid fractures. *Acad Emerg Med*. 2014 Feb;21(2):101-121. DOI: 10.1111/acem.12317.
28. Lemaster CH **, Hoffart N, Chafe T, Benzer T, **Schuur JD**. Implementing the central venous catheter infection prevention bundle in the emergency department: Experiences among early adopters. *Ann Emerg Med*. 2014 Mar;63(3):340-50.e1. DOI: <https://doi.org/10.1016/j.annemergmed.2013.09.006>
29. **Schuur JD**, Gibson-Chambers J, Hou P. Urinary catheter use and appropriateness in U.S. emergency departments, 1995 – 2010. *Acad Emerg Med*. 2014 Mar;21(3):292-300.

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16. Narayan K*, **Schuur JD**, Foster G, Resnick H. Two views of a critical transition: Hospital and emergency department transfers among nursing home residents: United States, 2004-2006. *Acad Emerg Med*, 2010; 17(5):s113. Abstract
17. Capp R*, Beloff J, **Schuur JD**. How have stricter documentation rules for diagnostic uncertainty for patients with community-acquired pneumonia (CAP) affected emergency physicians? *Acad Emerg Med*, 2010; 17(5):s115. Abstract.
18. Welch J, Wilson M, O'Laughlin K, **Schuur JD**, Seefeld K, Cutler D. Variation in cost and outcomes of emergency department care for acute myocardial infarction patients. Presented at the American Society of Health Economists, 2010.
19. Raja AS, Andruchow J, Zane R, Khorasani R, **Schuur JD**. Utilization of neuroimaging in US emergency departments. *Ann Emerg Med*, 2010; 56 (3s): S57. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Las Vegas, NV, October 2010.
20. LeMaster CH, Hoffart N, Benzer T, Chafe T, Pallin D, Schreiber H, Wang R, **Schuur JD**. Implementation of the central venous catheter observer and checklist bundle in emergency departments: A qualitative study. *Ann Emerg Med*, 2010; 56 (3s): S155. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Las Vegas, NV, October 2010.
21. Venkatesh AK*, Sandefur B, Bernard K, **Schuur JD**. Emergency medicine organization clinical guidelines: Evidence-based or expert consensus? *Acad Emerg Med* 2011;18(5 Suppl. 1), S49. Abstract.
22. Venkatesh AK*, Camargo CA, **Schuur JD**. Use of observation are after ED visits in Massachusetts, 2005-2009. Abstract. Presented at American College of Emergency Physicians (ACEP) Research Forum, San Francisco, CA, October 2011.
23. Chambers JG, **Schuur JD**. Use of Urinary Catheters in U.S. EDs 1995-2009: A potentially modifiable cause of catheter-associated urinary tract infection. Abstract. Oral presentation at Society for Academic Emergency Medicine (SAEM) New England Regional Conference, Springfield, MA, April 2012.

24. Yanagizawa Drott L, **Schuur JD**, Kurland L. Infection prevention practices in Swedish emergency departments: Results from a cross-sectional survey. *Ann Emerg Med*, 2012; 60 (4s): S39. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Denver, CO, October 2012.
25. **Schuur JD**, Hou PC, Pallin DJ, Yokoe DS, Espinola JA, Camargo CA. Central venous catheter infection practices in US emergency departments and intensive care units, 2011. *Ann Emerg Med*, 2012; 60 (4s): S48. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Denver, CO, October 2012.
26. **Schuur JD**, Carney DP, Berner AR, Benzer TI, Larson RE, Lyn ET, Michael JA, Raja AS, Ross NG, Venkatesh AK. A “top five” list for emergency medicine: A pilot to improve the value of emergency care. *Ann Emerg Med*, 2012; 60 (4s): S74-75. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Denver, CO, October 2012.
27. Baugh C, Stasko C, Seery J, Benneyan J, **Schuur JD**. Impact of varying biomarker sampling intervals and stress testing rates and availability on the length of stay in an emergency department observation unit using a simulation model. Abstract & oral presentation. Presented Society for Academic Emergency Medicine’s Annual Meeting (SAEM13), Atlanta, GA, May 2013.
28. Wilson W, Welch J, **Schuur JD**, O’Laughlin K, Cutler D. Factors associated with quality and costs for elderly patients with acute myocardial infarction who present to emergency departments. Abstract & lightning oral presentation. Presented at Society for Academic Emergency Medicine (SAEM) Annual Meeting, Atlanta, GA, May 2013 .
29. Bell EJ, Takhar SS, Beloff JR, **Schuur JD**, Landman AB. Information technology improves the quality of the emergency department patient discharge instructions: A quasi-experimental study. *Ann Emerg Med*, 2013; 62 (4s): S3. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Seattle, WA, October 2013.
30. **Schuur JD**, Ronan CE, Berner AR, Benzer TI, Kabrhel C, Larson RE, Lyn ET, Michael JA, Rivera M, Raja AS. Effect of a diagnostic pathway on the appropriateness of emergency department computed tomography for pulmonary embolus. *Ann Emerg Med*, 2013; 62 (4s): S19. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Seattle, WA, October 2013.
31. **Schuur JD**, Ronan CE, Berner AR, Benzer TI, Goldstein JN, Larson RE, Lyn ET, Michael JA, Rivera M, Raja AS. Head CT for minor head injury: Appropriateness and early results of a quality improvement intervention in 6 emergency departments. *Ann Emerg Med*, 2013; 62 (4s): S29. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Seattle, WA, October 2013.
32. Gibson-Chambers J, Kabrhel C, Venkatesh AK, **Schuur JD**. Prevalence and patient predictors of outpatient treatment of venous thromboembolic disease. *Ann Emerg Med*, 2013; 62 (4s): S36. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Seattle, WA, October 2013.
33. Gibson-Chambers J, Kabrhel C, Venkatesh AK, **Schuur JD**. US hospital variation in outpatient treatment of venous thromboembolic disease, 2010. *Ann Emerg Med*, 2013; 62 (4s): S61-62. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP, Seattle, WA, October 2013.
34. Baugh CW, Bernard KR, Sun BC, Ma J, **Schuur JD**. Predictors for hospital admission after emergency department visits for syncope. *Ann Emerg Med*, 2014; 64 (4s):S15-16. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP14, Chicago, IL, October 2014.
35. Lin MP, Weissman J, Sinnette C, Greenwood-Ericksen M, Bernard KR, Ma J, **Schuur JD**. Prioritizing conditions for which to compare emergency department admission rates. *Ann Emerg Med*, 2014;64(4s):S31-32. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP14, Chicago, IL, October 2014.

36. Lin MP**, **Schuur JD**. Utilization of cardiac enzyme testing and relationship to acute coronary syndromes in US emergency departments, 2005-2010. *Ann Emerg Med*, 2014; 64 (4s): S49. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP14, Chicago, IL, October 2014.
37. Honigman LS**, **Schuur JD**, Gibson-Chambers J, Pines JM. Adoption of interventions to reduce emergency department crowding from 2007 to 2010. *Ann Emerg Med*, 2014;64(4s):S74-75. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP14, Chicago, IL, October 2014.
38. **Schuur JD**, Baker O, Freshman J, Wilson M, Cutler DM. Where do freestanding EDs choose to locate?: A socio-demographic analysis in three states. *Ann Emerg Med*, 2015;66 (4s):S3. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
39. Savage DF, Sandefur B, Bernard K, **Schuur JD**, Venkatesh AK. Emergency medicine clinical practice guidelines: Evidence-based or expert consensus? *Ann Emerg Med*, 2015; 66 (4s): S5. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
40. Lin MP**, Goldner JS, Higgins ML, Lessenich EL, **Schuur JD**. An emergency department-based community health worker and care coordination intervention for frequent ED users. *Ann Emerg Med*, 2015;66(4s):S13-14. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
41. Lin MP, Sinnette C, Ball A, **Schuur JD**. Identifying best practices and barriers to improving emergency department admissions for patients with chest pain. *Ann Emerg Med*, 2015; 66 (4s): S15-16. Abstract & electronic poster. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
42. Slutzman JE, Wilson M, Cutler D, **Schuur JD**. Costs Attributable to emergency department care by diagnosis. *Ann Emerg Med*, 2015; 66 (4s): S67-68. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
43. Rouhani S, Marsh RH, Baugh CW, Cheridor JE, **Schuur JD**. Assessing the need for protocolized observation care for stroke and asthma in rural Haiti. *Ann Emerg Med*, 2015; 66 (4s): S80. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
44. Poon SJ, Greenwood-Ericksen MB, Gish RE, Neri PM, Takhar SS, **Schuur JD**, Landman AB. Usability of the Massachusetts Prescription Drug Monitoring Program in the emergency department. *Ann Emerg Med*, 2015; 66 (4s): S90. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
45. Weiner SG, Rodgers O, Baker C, Garner C, **Schuur JD**. Pill counts in opioid prescriptions by specialty in Ohio, 2012-2014. *Ann Emerg Med*, 2015;66(4s):S114. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
46. Greenwood-Ericksen MB**, Poon SJ**, Nelson LS, Weiner SG, **Schuur JD**. Best practices for the use of prescription drug monitoring programs in the emergency department. *Ann Emerg Med*, 2015;66 (4s):S155. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP15, Boston, MA, October 2015.
47. Carlson LC, Baker ON, **Schuur JD**. Emergency department proximity to public transportation: A comparison of free-standing and hospital emergency departments in three metropolitan areas. *Ann Emerg Med*, 2016; 68 (4s): S67. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP16, Las Vegas, NV, October 2016.
48. Lin MP, Richardson LD, **Schuur JD**, Ward MJ. A cost analysis of the Choosing Wisely® campaign recommendation to reduce emergency department imaging for non-traumatic back pain. *Ann Emerg Med*, 2016; 68 (4s): S77-78. Abstract. Presented at American College of Emergency Physicians Scientific Assembly, ACEP16, Las Vegas, NV, October 2016.

49. Lin MP, Richardson LD, Carr B, Asplin B, Wiler J, **Schuur JD**. Acute care redesign and alternative payment for emergency medicine within accountable care organizations: A qualitative study. *Ann Emerg Med*, 2017; 70(4s):S81-82. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
50. Ouchi K*, George N, **Schuur JD**, Tulsy JA, Block SD. Development of a brief motivational interview intervention to promote advance care planning for older adults after leaving the emergency department. *Ann Emerg Med*, 2017; 70(4s):S86. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
51. Poon SJ*, **Schuur JD**, Mehrotra A. Trends in site of care for low-acuity conditions among those with commercial insurance, 2008-2015. *Ann Emerg Med*, 2017; 70(4s):S86. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
52. Decker HC*, Baker ON, **Schuur JD**. Emergency Medicine Political Action Committee contributions in 2016 and candidate voting history on firearm background checks. *Ann Emerg Med*, 2017; 70(4s):S102-103. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
53. Lin MP*, **Schuur JD**, Pines JM, Richardson LD. Anticipated impact of alternative payment models for emergency medicine. *Ann Emerg Med*, 2017; 70(4s):S103-104. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
54. Gale JY, Lewis, VR, Fantegrossi A, Griswold K, Gorman J, Sinnette C, **Schuur JD**, Specimen collection and labeling after implementation of new electronic health record: Work as imagined versus work as performed. *Ann Emerg Med*, 2017; 70(4s):S142. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
55. Weiner SG, Baker O, Bernson D, **Schuur JD**. One-year mortality of opioid overdose victims who received Naloxone by emergency medical services. *Ann Emerg Med*, 2017; 70 (4s): S158. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
56. **Schuur JD**, Lin MP, Muhlestein DB. Engagement of accountable care organizations in acute care redesign: Results of a national survey. *Ann Emerg Med*, 2017; 70 (4s): S171. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP17, Washington, DC, October 2017.
57. Chou S, Venkatesh AK, Gondi S, Baker O, **Schuur JD**. In an emergency, get fined for being fine: Accuracy and insurance policy to retrospectively deny emergency department coverage based on discharge diagnoses. *Ann Emerg Med*, 2018; 72 (4s): S5. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP18, San Diego, CA October 2018. *Selected as Best Paper Award at the 2018 ACEP Research Forum.*
58. Burke LG, **Schuur JD**, Zheng J, Oray E, Jha AK. Is hospital performance on publicly reported quality measures associated with patient outcomes? *Ann Emerg Med*, 2018; 72 (4s): S6. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP18, San Diego, CA October 2018.
59. Chou S, Gondi S, Weiner SG, **Schuur JD**, Sommers BD. Effect of Medicaid expansion on reasons for emergency department use. *Ann Emerg Med*, 2018; 72 (4s): S51. Abstract. Presented at American College of Emergency Physicians Research Forum, ACEP18, San Diego, CA October 2018.
60. Chou S, Gondi S, Baker O, Venkatesh A, **Schuur JD**. Analysis of a commercial insurance policy to deny coverage for emergency department visits with nonemergent diagnoses. *JAMA Network Open*. Oct 2018; 1(6):e183731. DOI: 10.1001/jamanetworkopen.2018.3731.
61. Ouchi K, George N, Revette A, Hasdianda MA, Fellon L, Reust A, Powell LH, Sudore R, **Schuur JD**, Schonberg MA, Bernstein E, Tulsy A, Block SD. "Empower seriously ill older adults to formulate their goals for medical care in the emergency department". *J Palliat Med*. Nov 2018. PMID: 30418094 DOI: 10.1089/jpm.2018.0360.

62. Liu Y, Baker O, **Schuur JD**, Weiner S. "Rescheduling hydrocodone was not associated with changing trends of prescribing by emergency physicians." Lightning Oral Abstract. 2019 SAEM Annual Meeting. Las Vegas, NV. 05/2019.
63. Chou S, Nagurney J, Baker O, **Schuur JD**. "Advanced imaging use and trends in hospitalizations from the emergency department". Abstract. 2019 American College of Emergency Physicians Scientific Assembly ACEP19, Denver, CO, 10/2019. *Ann Emerg Med* 74:4 Supplement. S75-76. 10/2019. <https://doi.org/10.1016/j.annemergmed.2019.08.196>
64. Lin M, Baker O, Richardson L, **Schuur JD**. "Variation and condition specific trends in emergency department admission rates, 2006-2014". Abstract. 2019 American College of Emergency Physicians Scientific Assembly ACEP19, Denver, CO, 10/2019. *Ann Emerg Med* 74:4 Supplement. S87. 10/2019. <https://doi.org/10.1016/j.annemergmed.2019.08.388> .
65. Scheulen J, Cole G, Holt N, Sun B, Archual G, Volturo G, **Schuur JD**. "An acuity index for ED patient populations: Development of expert consensus & principal components indexing methods". Abstract. SAEM20 Annual Meeting. Virtual. 05/2020.
66. Aaronson E., **Schuur JD**. "Where risk lies in emergency medicine". Abstract. SAEM20 Annual Meeting. Virtual. 05/2020.

INVITED PRESENTATIONS:

International:

1. "Quality and Safety in Healthcare: LEAN and Other Techniques". Lecture. 7th International Medical Congress of the Hospital General Plaza de la Salud, Santo Domingo, Dominican Republic, 2008.
2. "Workshop on Developing Practice Guidelines and Clinical Pathways". Seminar. International Emergency Department Leadership Institute, Boston, MA, 2010.
3. "Developing Clinical Pathways". Seminar. Wockhardt Hospitals Mumbai, India Hospital Site Visit, Partners International, Boston, MA, 2014.
4. "Intro to Quality Measurement". Lecture. Region Skane, Emergency Medicine Collaborative, Helsingborg, Sweden, 2015.
5. "Emergency Department Flow". Lecture. Region Skane, Emergency Medicine Collaborative, Helsingborg, Sweden, 2015.
6. "Teamwork for Flow". Lecture. Region Skane, Emergency Medicine Collaborative, Helsingborg, Sweden, 2015.
7. "Quality Improvement in Emergency Medicine". Workshop. Region Skane, Emergency Medicine Collaborative, Helsingborg, Sweden, 2015.
8. "Developing Quality Measures for Skane Emergency Departments". Moderator 1. Region Skane, Emergency Medicine Collaborative, Helsingborg, Sweden, 2015.
9. "Code Help: Interventions to Address Extreme ED Boarding-Induced Crowding". Lecture. Danish Emergency Medicine Physicians and Hospital Leaders from Region Midtjylland, Denmark Department of Emergency Medicine, Brigham and Women's Hospital, Boston, MA, 2016.
10. "Code Help: Interventions to Address Extreme ED Boarding-Induced Crowding". Lecture. Finnish Emergency Medicine Physicians and Hospital Leaders from Helsinki, Finland, Department of Emergency Medicine, Brigham and Women's Hospital, Boston, MA, 2016.

11. "Evaluation Techniques and Metrics for Emergency Medicine Flow Management". Lecture. Swedish Emergency Medicine Physicians and Hospital Leaders from Region Skane, Sweden, Department of Emergency Medicine, Brigham and Women's Hospital, Boston, MA, 2017.

National:

1. "Morbidity and Mortality: How to Run M&M with Great Cases from the Field". Lecture. New Speakers Challenge, American College of Emergency Physicians (ACEP) Scientific Assembly, Washington, DC, 10/2005.
2. "Developing a Community Collaboration to Research and Address Childhood Obesity in New Haven, Connecticut". Research presentation. Robert Wood Johnson Clinical Scholars Program, Fort Lauderdale, FL, 2005.
3. "The Impact of Medicaid Coverage and Reimbursement on Access to Diagnostic Mammography". Research presentation. Robert Wood Johnson Clinical Scholars Program, San Diego, CA, 2006.
4. "Can Paramedics Read ST-Elevation Myocardial Infarction on Prehospital ECGs?". Research presentation. Society for Academic Emergency Medicine's (SAEM) Annual Meeting, Chicago, IL, 05/2007.
5. "Measuring Syncope Care in the ED: Does Choice of Case Definition Bias Outcomes?". Research presentation. Society for Academic Emergency Medicine's (SAEM) Annual Meeting, Chicago, IL, 05/2007.
6. "Strides in Quality Improvement: ACEP Quality Initiatives Structure, Clinical Policies, and Measures". Invited lecture – CME, American College of Emergency Physicians (ACEP) Scientific Assembly, Chicago, IL, 10/2008.
7. Health Care Policy Research Abstract Presentations. Session Moderator. Annual Research Forum, American College of Emergency Physicians (ACEP) Scientific Assembly, Boston, MA, 10/2009.
8. Administration Research Abstract Presentations. Session Moderator. Annual Research Forum, American College of Emergency Physicians (ACEP) Scientific Assembly, Boston, MA, 10/2009.
9. "Designing Systems to Improve Transitions After Emergency Care". Seminar. Improving the Quality & Efficiency of Emergency Care Across the Continuum: A Systems Approach, Sponsored by Agency for Healthcare Research & Quality (AHRQ) (grant 1R13HS018114-01), Boston, MA, 2009.
10. "Emergency Department Intake: Measurements and Definitions". Lecture. Exploring New ED Intake Strategies, Sponsored by Agency for Healthcare Research & Quality (AHRQ) (grant 1R13HS018126-01), Salt Lake City, UT, 2010.
11. Health Care Policy Research Abstract Presentations. Session moderator. Annual Research Forum, American College of Emergency Physicians (ACEP) Scientific Assembly, Las Vegas, NV, 10/2010.
12. Administration Research Abstract Presentations. Session moderator. Annual Research Forum, American College of Emergency Physicians (ACEP) Scientific Assembly, Las Vegas, NV, 10/2010.
13. "Avoiding Readmissions in the Perioperative Setting, Strategies for Optimizing Perioperative Care of the High-Risk Geriatric Patient". Lecture – CME. The 10th Annual Meeting of the Section for Enhancing Geriatric Understanding and Expertise among Surgical and Medical Specialists (SEGUE), American Geriatrics Society Annual Meeting, Washington, DC, 2011.
14. "Observation Research: Tools to Extend the Impact of Emergency Care". Lecture - CME. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Boston, MA, 06/2011.
15. "So You Think You Can Measure: How to Take Your Local QI Measures National". Lecture - CME. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Boston, MA, 06/2011.
16. "Emergency Medicine Measures Update 2011". Lecture - CME. Society for Academic Emergency Medicine (SAEM) Annual Meeting, Boston, MA, 06/2011.

17. "Healthcare-Associated Infections – A Risk for ED Patients or Not?". Grand Rounds - CME. Division of Emergency Medicine, University of Wisconsin School of Medicine and Public Health, Madison, WI, 2011.
18. "The Cost of Emergency Care: 2% or the Opportunity of Your Life to Lead". Lecture. Quality Improvement and Patient Safety Section, American College of Emergency Physicians (ACEP) Annual Scientific Assembly, San Francisco, CA, 10/2011.
19. "Infection Prevention in the Emergency Departments". Grand Rounds – CME. Department of Emergency Medicine, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA, 2012.
20. "The Growing Role of The Emergency Department In Hospital Admissions: U.S. 1993-2006". Oral presentation. Presented at Society for Academic Emergency Medicine (SAEM) Annual Meeting, Chicago, IL, 05/2012.
21. "Time Burden of Emergency Department Hand Hygiene with Glove Use". Oral presentation. Society for Academic Emergency Medicine's Annual Meeting (SAEM), Chicago, IL, 05/2012.
22. "Death Warmed Over: Bringing Clinical Reasoning and Decision-Making Sciences to Morbidity and Mortality Conferences". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM), Chicago, IL, 05/2012.
23. "Stop the Madness: Reducing Unnecessary Radiation in patients with Suspected Pulmonary Embolism". Lecture & seminar - CME. American College of Emergency Physicians (ACEP) Annual Scientific Assembly, San Denver, CO, 10/2012.
24. "Observation Care for ED Patients with Chest Pain: A Statewide Analysis of Society of Chest Pain Centers Metrics". Research presentation. Oral plenary research session, Society of Chest Pain Centers Annual Meeting, Atlanta, GA, 2012.
25. "Reducing Healthcare-Associated Infections (HAIs) in Long-Term Care (LTC): Current Strategies and Challenges". Panelist. Agency for Healthcare Research & Quality's Annual Conference, Bethesda, MD, 2012.
26. "Quality Measures in Emergency Medicine: The Head CT Experience". Lecture – CME. Clinical Decision Making in Emergency Medicine: An Evidence Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra, FL, 2012.
27. "Infectious Disease Topics". Invited speaker. Department of Emergency Medicine, University of Texas Southwestern Medical Center, Dallas TX, 2013.
28. "Infection Prevention in the Emergency Departments". Grand Rounds. Department of Emergency Medicine, University of Texas Southwestern Medical Center, Dallas TX, 2013.
29. "Pharmacists in the ED". Lecture - CME. Innovations in the Emergency Department Management, Las Vegas, NV, 2013.
30. "Observation Status and Observation Units". Lecture - CME. Innovations in the Emergency Department Management, Las Vegas, NV, 2013.
31. "Neurological Emergencies: Delirium and Dementia in the Geriatric Patient". Presentation – CME. Western States Winter Conference on Emergency Medicine, University of Utah School of Medicine, Park City, UT, 2013.
32. "Flesh and Bone: Fractures of the Hand and Wrist". Presentation – CME. Western States Winter Conference on Emergency Medicine, University of Utah School of Medicine, Park City, UT, 2013.
33. "Infection Prevention in the Emergency Departments: A Workshop to Identify Barriers and Successful Strategies". Workshop – CME. Association for Professionals in Infection Control and Epidemiology's Annual Conference, Fort Lauderdale, FL, 2013.

34. "Blood Cultures: When are they Needed, and When are They Not". Lecture – CME. Clinical Decision-Making in Emergency Medicine: An Evidence Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra, FL, 2013.
35. "Choosing a High-Impact Resident or Student Quality Improvement Project and Getting It Published". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM13), Atlanta, GA, 05/2013.
36. "Blood Culture Use in ED Patients with Pneumonia after Modifications of a National Quality Measure". Oral presentation. Society for Academic Emergency Medicine's Annual Meeting (SAEM13), Atlanta, GA, 05/2013.
37. "An Introduction to Qualitative Methods in Emergency Medicine Research". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM13), Atlanta, GA, 05/2013.
38. "The War on MRSA: Lessons for Success in Planning, Funding, and Executing Clinical Research in Infectious Diseases". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM13), Atlanta, GA, 05/2013.
39. "Identifying the Value of Emergency Care in the Climate of Health Reform". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM13), Atlanta, GA, 05/2013.
40. "Emergency Department and Catheter Insertion". Webinar. Health Research and Educational Trust, American Hospital Association, Chicago, IL, 2013.
41. "Health Care Policy Research Abstract Presentations". Session moderator – CME. American College of Emergency Physicians (ACEP13) Annual Scientific Assembly, Seattle, WA, 10/2013.
42. "QIPS Quick Tips: Best Provider Practices for Quality and Patient Safety". Lecture -CME. American College of Emergency Physicians (ACEP13) Annual Scientific Assembly, Seattle, WA, 10/2013.
43. "Stop the Madness: Reducing Unnecessary Radiation in Patients with Suspected Pulmonary Embolism". Lecture, seminar -CME. American College of Emergency Physicians (ACEP13) Annual Scientific Assembly, Seattle, WA, 10/2013.
44. "Emergency Care Quality Improvement in the Era of Public Accountability". Lecture -CME. Urgent Matters Workshop, Robert Wood Johnson Foundation, George Washington University School of Public Health and Health Services, Seattle, WA, 2013.
45. "Onboarding Webinar #2: Reducing Unnecessary Urinary Catheter Use in the Emergency Department: Why and How to Implement the Process". Webinar. Health Research and Educational Trust, American Hospital Association, Chicago, IL, 2013.
46. "Infection Prevention Practices in U.S. EDs and ICUs". Research presentation. Robert Wood Johnson Foundation Clinical Scholars Program Annual Meeting, Atlanta, GA, 2013.
47. "Strategies for Dealing with New Affordable Care Act Driven Payment Methodologies". Lecture – CME. American College of Emergency Physicians (ACEP) Leadership & Advocacy Conference, Washington, DC, 2014.
48. "Infection Prevention in the ED: From QI to Research". Grand Rounds. Department of Emergency Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, 2014.
49. "Quality Improvement Shark Tank Panel". Panelist. Department of Emergency Medicine, Northwestern University Feinberg School of Medicine, Chicago, IL, 2014.
50. "Lessons from the Field: Successful Infection Prevention Strategies in the Emergency Department". Lecture – CME. Association for Professional in Infection Control and Epidemiology, Annual Conference, Anaheim, CA, 2014
51. "Infection Prevention in the ED: From QI to Research". Grand Rounds. Department of Emergency Medicine, Michigan State University College of Human Medicine, Grand Rapids, MI, 2014.

52. "Cost-Effectiveness in Emergency Medicine". Grand Rounds. Department of Emergency Medicine, Michigan State University College of Human Medicine, Grand Rapids, MI, 2014.
53. "Infection Prevention in the ED: From QI to Research". Grand Rounds. Department of Emergency Medicine, Mayo Clinic, Rochester, MN, 2014.
54. "Patients Want More, Payers Want Less: Tips to Improve Satisfaction & Cut Cost", Lecture. Department of Emergency Medicine, Mayo Clinic, Rochester, MN, 2014.
55. "Quality Measures in Emergency Medicine: Influencing Practice Transformation". Lecture – CME. Innovations in Emergency Department Management, Las Vegas, NV, 2014.
56. "Observation Status and Observation Units". Lecture – CME. Innovations in Emergency Department Management, Las Vegas, NV, 2014.
57. "Using Operations and Quality Data to Improve Emergency Department Care: Strategic Planning". Lecture. American College of Emergency Physicians (ACEP), Board of Directors Meeting, Dallas, TX, 2014.
58. "Patients Want More: 5 Tips to Save Cost and Improve Satisfaction". Lecture -CME. Clinical Decision-Making in Emergency Medicine: An Evidence Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra, FL, 2014.
59. "Teaching in Emergency Medicine Residents to Choose Wisely: Incorporating Cost-conscious Practices into Training". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM14), Dallas, TX, 05/2014.
60. "Getting Your Qualitative Emergency Medicine Research Published". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM14), Dallas, TX, 05/2014.
61. "Quality Update from the Experts: An Advanced Guide to What's New in Quality and Patient Safety". Lecture-CME. American College of Emergency Physicians (ACEP14) Annual Scientific Assembly, Chicago, IL, 10/2014.
62. "Freestanding Emergency Departments: Results of a National Survey". Research presentation -CME. American College of Emergency Physicians (ACEP14) Annual Scientific Assembly, Chicago, IL, 10/2014.
63. "Beyond Workups and Rule-Outs: Collaboration between Primary Care, Specialties and the ED to Reduce Fear". Seminar. Road to Right Care Conference, San Diego, CA, 2015.
64. "Physician Professional Society Efforts to Measure Imaging Quality". Lecture – CME. 2015 AEM Consensus Conference, Diagnostic Imaging in the Emergency Department: A Research Agenda to Optimize Utilization, Society for Academic Emergency Medicine's Annual Meeting (SAEM15), San Diego, CA, 05/2015.
65. "Quality Measures Update 2015: What Are the Measures and Where Are They Going". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM15), San Diego, CA, 05/2015.
66. "A Critical Review of the Most Important Health Policy Articles for Emergency Medicine of the Last Year". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM15), San Diego, CA, 05/2015.
67. "Integrating Just Culture into Error Analysis and Morbidity and Mortality Conferences". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM15), San Diego, CA, 05/2015.
68. "Crossfire: Quality Measures and Residency Education". Lecture – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM15), San Diego, CA, 05/2015.
69. "Health Policy Journal Club: How Health Insurance Policy Changes Affect Emergency Department Utilization". Lecture. American College of Emergency Physicians (ACEP) Leadership and Advocacy Conference, Washington, DC, 2015.
70. "Data Sources for Physician Information". Lecture. American Board of Emergency Medicine (ABEM), Big Data Collaborative Research Project, Detroit, MI, 2015.

71. "Strategies for Aligning Hospital and Emergency Physician Incentives". Lecture and panel. Value-Based Emergency Medicine Summit: Innovative Strategies for Managing Costs by Optimizing Your ED, Maryland Healthcare Education Institute and Emergency Medicine Associates, Baltimore, MD, 2015.
72. "Risk Management in Emergency Medicine: Diagnostic Error". Lecture. Emergency Medicine Associates Annual Leadership Retreat, Baltimore, MD, 2015.
73. "Quality Update 2015: Current and Future Landscape". Lecture. Urgent Matters Workshop, Robert Wood Johnson Foundation, George Washington University School of Public Health and Health Services, Washington, DC, 2015.
74. "Payment Reform and Its Impact". Lecture - CME. Clinical Decision-Making in Emergency Medicine: An Evidence-Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra, FL, 2015.
75. "Freestanding Emergency Department: Disruptive Innovation?" Grand Rounds. Department of Emergency Medicine, University of Colorado School of Medicine, Denver, CO, 2016.
76. "Cost-Effectiveness in Emergency Medicine". Grand Rounds. Department of Emergency Medicine, Michigan State University College of Human Medicine, Grand Rapids, MI, 2016.
77. "Transforming Clinical Practice Initiative and Emergency Medicine". Lecture – CME. American College of Emergency Physicians (ACEP) Leadership and Advocacy Conference, Washington, DC, 2016.
78. "The Best Trauma Literature of the Last Year". Grand Rounds. Department of Emergency Medicine, University of Texas at Austin, Dell Medical School, Austin, TX, 2016.
79. "Teaching Cost-Effective Care". Lecture. Department of Emergency Medicine, University of Texas at Austin, Dell Medical School, Austin, TX, 2016.
80. "The EQUALITY Study: Asking about Sexual Orientation and Gender Identity in the Emergency Department". Lecture. Academy Health Annual Research Meeting, Boston, MA, 2016.
81. "Imaging Quality and PAMA". Lecture – CME. Clinical Decision-Making in Emergency Medicine: An Evidence-Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra, FL, 2016.
82. "Quality Measurement Registries and Performance Reporting in Emergency Care". Lecture & panel – CME. Society for Academic Emergency Medicine's Annual Meeting (SAEM16), New Orleans, LA, 05/2016.
83. "Preparing for the New World in Health Care Reimbursement". Co-lecture. Association for Academic Chairs in Emergency Medicine, Chair Development Program, ACEP16, Las Vegas, NV, 10/2016.
84. "No Substitute for E-Qual in Quality Improvement – Field Report from the Emergency Quality Network (E-QUAL)". Lecture – CME. American College of Emergency Physicians (ACEP) Leadership and Advocacy Conference, Washington DC, 2017.
85. "Driving Quality Leadership – Update on E-QUAL and CEDR". Lecture. Envision Healthcare 2017 Leadership Conference, Las Vegas, NV, 2017.
86. "Developing, Executing and Publishing a High-impact Resident or Student Quality Improvement Project". Lecture – CME. Society for Academic Emergency Medicine (SAEM17) Annual Meeting, Orlando, FL, 05/2017.
87. "Leading through Changes (MACRA) or: How I learned to Stop Worrying and Love Payment Reform". Lecture – CME. Med Talks, SAEM Leadership Forum, Society for Academic Emergency Medicine (SAEM17) Annual Meeting, Orlando, FL. 05/2017.
88. "Quality Measures in Emergency Medicine: Influencing Practice Transformation". Lecture. Exploring Substance Use Relevant Measures in EMRs & Clinical Quality Measurement in Emergency Department Settings, National Institute on Drug Abuse (NIDA), Rockville, MD, 2017.

89. “Best Care Everywhere: Improving Quality and Reimbursement Through Analytics”. Lecture – CME. American College of Emergency Physicians (ACEP17) Scientific Assembly, Washington, DC, 10/2017.
90. “How to Avoid ‘Avoidable’ Imaging: Lessons Learned from ACEP’s E-QUAL Network Choosing Wisely® Project”. Lecture – CME. American College of Emergency Physicians (ACEP17) Scientific Assembly, Washington, DC, 10/2017.
91. “Engagement of Accountable Care Organizations in Acute Care Redesign: Results of a National Survey” Abstract presentation. American College of Emergency Physicians (ACEP17) Scientific Assembly Research Forum, Washington, DC, 10/2017.
92. “Derm 101: Simple Rashes, Complex Decisions”. Lecture – CME. Clinical Decision-Making in Emergency Medicine: An Evidence-Based Conference and LLSA Review, EB Medicine and The Physicians Consortium, Ponte Vedra Beach, FL, 2017.
93. “Improving Opioid Use Disorder Care in the Emergency Department: What Can We Learn from American College of Emergency Physicians’ Quality Improvement Efforts and Registry?”. Lecture. National Institute on Drug Abuse (NIDA) CTN Annual Scientific and Steering Committee Meeting, Bethesda, MD, 2018.
94. “Transforming Clinical Practice: Lesson’s from ACEP’s E-QUAL”. Webinar lecture. Centers for Medicare and Medicaid Innovation Transforming Clinical Practice Initiative, Baltimore, MD, 2018.
95. “The ACEP Emergency Quality Network (E-QUAL): The Acute Care Transformation Movement Takes Off!”. Poster presentation. Centers for Medicare and Medicaid Services Quality Conference, Baltimore, MD, 03/2018.
96. “Skills Matter: Demonstrating that Non-Technical Skills Impact Emergency Care”. Poster presentation. Society of Academic Emergency Medicine(SAEM18) Annual Meeting, Indianapolis, IN, 05/2018.
97. “National Trends and Predictors of Emergency Department Admission for Adult Asthma Patients, 2011–2014”. Poster presentation. Society of Academic Emergency Medicine (SAEM18) Annual Meeting, Indianapolis, IN, 05/2018.
98. “MACRA Update and What Department Leaders Need to Know”. Lecture – CME. SAEM Leadership Forum, Society of Academic Emergency Medicine (SAEM18) Annual Meeting, Indianapolis, IN, 05/2018.
99. “Managing Up and Across: Strategies for Success with Busy Mentors”. Lecture – CME. Society of Academic Emergency Medicine (SAEM18) Annual Meeting, Indianapolis, IN, 05/2018.
100. “MIPS, CEDR, and E-QUAL: Update on National Quality Topics”. Lecture – CME. American College of Emergency Physicians (ACEP) Leadership and Advocacy Conference, Washington DC, 2018.
101. “Funding Global Health Programs”. Panelist. 11th Annual Association of Academic Chairs of Emergency Medicine (AACEM)/AAAEM Joint Retreat. San Juan, Puerto Rico, 03/2019.
102. “2020 Measure Updates & 2020 QCDR Measure Selection”. Panelist. American College of Emergency Physicians (ACEP) Leadership & Advocacy Conference, Washington, DC 04/2019.
103. “Developing Expert Testimony”. Presenter. Physician Advocacy Boot Camp: Beyond the Emergency Department. 2019 Society for Academic Emergency Medicine Annual Meeting. Las Vegas, NV 05/2019.
104. “Lancet Countdown Brief: Emergency Medicine Leadership Perspectives on Climate Change & Health. Presenter - CME. 2019 SAEM Annual Meeting. Las Vegas, NV. 05/2019.
105. “Too Much, Too Little or Just Right: A New Perspective on Variation in Emergency Care”. Presenter - CME. 2019 SAEM Annual Meeting. Las Vegas, NV. 05/2019.
106. Health Policy (Masters Scholars). Oral Abstract Session Moderator. 2019 SAEM Annual Meeting. Las Vegas, NV. 05/2019.

107. "Benchmarking Emergency Medicine Practice". Co-Presenter - CME. 18th Annual Clinical Decision Making in Emergency Medicine Conference. Ponte Vedra, FL. 06/2019
108. "Emergency Quality (E-QUAL) Network Quality Measures & CEDR: Transforming Clinical Practice. Co-Presenter - CME. ACEP/EMF 2019 Corporate Council: The Value of Emergency Medicine. Dallas, TX 07/2019.
109. "Emergency Quality (E-QUAL) Network Quality Measures & CEDR: Transforming Clinical Practice. Breakout Session Co-Facilitator - CME. ACEP/EMF 2019 Corporate Council: The Value of Emergency Medicine. Dallas, TX 07/2019.
110. "Quality Collaborative, CEDR & EMF/ Data Summit Recap". Co-presenter - CME. ACEP 2019 HIT Summit: Evolving Emergency Care with Technology". ACEP Headquarters. Irving, TX. 07/2019.
111. "Professional Sector Spread Campaign". Presenter. 2019 TCPI Exposition (Transforming Clinical Practice Initiative)/SAN Summit. Baltimore, MD, 08/2019.
112. "SAN Commitment to Spread". Presenter & Panelist. 2019 TCPI Exposition (Transforming Clinical Practice Initiative)/NEP. Baltimore, MD, 08/2019.
113. "Journey from Physician to Leader". Lecturer. Leadership Development for Physicians in Academic Health Centers. Harvard Chan School of Public Health. Boston, MA. 10/21/2019
114. "The Impact of Alternative Payment Models & ACOs on Emergency Medicine". Presenter - CME. Maine Emergency Medicine Leadership Summit. Virtual. 03/2020.
115. "Hospital Strategies for Reducing ED Crowding". Presenter - CME. Maine Emergency Medicine Leadership Summit. Virtual. 03/2020.
116. "Practical Tips to Reduce Imaging Yet Ensure Quality". Presenter - CME. 19th Annual Clinical Decision Making in Emergency Medicine Conference. Virtual. 06/2020
117. "Acute Unscheduled Care: Role of the ED Before & After COVID". Presenter – CME. New York University Perelman Department of Emergency Medicine NYU Langone Health / Bellevue Hospital Center Residency Conference. Virtual. 10/2020.

Regional:

1. "Development of Alternative Health Insurance Plan Models". Testimony. Joint Legislative Committee on Health Care Oversight, RI General Assembly, Providence, RI, 2004.
2. "Consumer-Directed Health Care". Lecture. United Nurses and Allied Professionals of RI Leadership Meeting, Providence, RI, 2005.
3. "Health Care Economics 101: A Case for Reform". Lecture. RI National Association of Social Workers Annual Convention, Providence, RI, 2005.
4. "Health Policy 101 for an Emergency Physician/Resident". Grand Rounds. Department of Emergency Medicine, EM Residency Program, Brown Medical School/Rhode Island Hospital, Providence, RI, 2005.
5. "Bioethics and Universal Health Insurance". Lecture – CME. New Milford Hospital, New Milford, CT, 2005.
6. "Diabetic Ketoacidosis: Evidence-Based Care". Lecture. Emergency Medicine Residency Lecture Series, Yale University, School of Medicine, New Haven, CT, 2006.
7. "Performance Measurement, P4P and Emergency Medicine". Grand Rounds. Department of Emergency Medicine, Mount Sinai School of Medicine, New York, NY, 2006.

8. "An Evidence-Based Review of Emergency Department Pain Management". Lecture. Emergency Medicine Residency Lecture Series, Yale University, School of Medicine, New Haven, CT, 2007.
9. "Quality Input in the ED". Presentation - CME. Emergency Medicine into the 21st Century, Harvard Medical School, Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2008.
10. "Best Articles of 2010". Presentation – CME, Emergency Medicine into the 21st Century, Harvard Medical School Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2010.
11. "Quality Frontier for EM in the Era of Accountable Care Organizations". Invited speaker – CME. Partners Center for Healthcare Quality & Safety, Boston, MA, 2011.
12. "Healthcare Systems & Quality Improvement: From Clinic to the Emergency Department to Inpatient Care", Invited speaker – CME. Partners Center for Healthcare Quality & Safety, Boston, MA, 2011.
13. "A Career in Academic Emergency Medicine". Seminar, Senior Career Night, Department of Emergency Medicine, EM Residency Program, Alpert Medical School, Brown University/Rhode Island Hospital, Providence, RI, 2011.
14. "Developing a Career in Emergency Medicine in a Time of System Change". Grand Rounds/Visiting Professor/ Seminar Moderator. Resident Research Day. Department of Emergency Medicine, Yale University School of Medicine, New Haven, CT, 2011.
15. "Best Articles of 2011". Presentation – CME, Emergency Medicine into the 21st Century, Harvard Medical School Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2011.
16. "Health Care Reform – Impact on ED Providers". Presentation – CME, Emergency Medicine into the 21st Century, Harvard Medical School Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2011.
17. "Healthcare-Associated Infections and Emergency Medicine: A Work in Progress". Research presentation. The Columbia University School of Nursing, Center for Health Policy, New York, NY, 2012.
18. "Special Areas – This is Getting Old/ The Geriatrics ED". Presentation – CME, Harvard Medical School Department of Continuing Education, Graduate School of Design, Harvard University Executive Education, Boston, MA, 07/2012.
19. "Design Meets Process: The Emergency Department for the Future". Presentation – CME, Harvard Medical School Department of Continuing Education, Graduate School of Design, Harvard University Executive Education, Boston, MA, 07/2012.
20. "Physician Scorecards". Presentation – CME, Emergency Medicine into the 21st Century, Harvard Medical School Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2012.
21. "Cost & Emergency Care: How to Bring Sanity to Your Use of CT for Pulmonary Embolism". Grand Rounds. Department of Emergency Medicine, University of Connecticut School of Medicine, Hartford Hospital, Hartford, CT, 2013.
22. "Infection Prevention in the ED: 10 Tips to Keep Your Patients, You, & Your Family Safe". Presentation – CME, Emergency Medicine into the 21st Century, Harvard Medical School Department of Continuing Education, Division of Emergency Medicine, Boston, MA, 10/2013.
23. "Episodes, ACOs, and Population Health: The ACA & You". Lecture. Brigham & Women's Hospital, Physician Assistants' Education Seminar, Boston, MA, 2014.
24. "Emergency Medicine Quality Agenda: Present & Future". Lecture - CME. Quality in Emergency Medicine Seminar, Department of Emergency Medicine, Mount Sinai School of Medicine, New York, NY, 2014.
25. "Infection Prevention in the ED: From QI to Research". Grand Rounds. Departments of Research & Emergency Medicine, Winthrop University Hospital, Mineola, NY, 2014.

26. "Freestanding Emergency Departments". Lecture. Yale Healthcare Conference, Yale School of Management, New Haven, CT, 2015.
27. "Quality Improvement in the Emergency Department: Engaging Busy Providers". Invited speaker. Department of Quality, Partners HealthCare, Brigham & Women's Hospital, Boston, MA, 2015.
28. "Quality, Safety, & Process Improvement: Building a High Performing Organization". Invited speaker. Department of Quality, Partners HealthCare, Brigham & Women's Hospital, Boston, MA, 2015.
29. "Emergency Medicine Risk & How to Reduce Your Exposure". Invited speaker – CME. Emergency Medicine Conference, Massachusetts General Hospital, Boston, MA, 2016.
30. "Freestanding EDs". Lecture – CME. Department of Emergency Medicine 20th Anniversary & Alumni Celebration, Alpert Medical School, Brown University, Providence, RI, 09/2016.
31. "Emergency Medicine: Know Your Risks". Webinar/lecture - CME. Controlled Risk Insurance Company (CRICO)/ Emergency Medicine Foundation (EMF), Boston, MA, 2017.
32. "Assessing Acute Unscheduled Care in the US: The Role of EDs & Alternative Sites". Grand Rounds – CME. EM Residency Conference, Alpert Medical School, Brown University, Providence, RI 02/2019.
33. Leadership Panel Discussion. Panelist. Brown Physicians, Inc. Leadership Academy. Providence, RI 04/2019.
34. "We're in This Boat Together: Navigating the Changing Waters in Science & Medicine. Panelist. Alpert Medical School, Brown University Office of Women & Medicine. Annual Conference. 06/2019.
35. Leadership Panel Discussion. Panelist. Brown Physicians, Inc. Leadership Academy. Providence, RI 07/2020.
36. Leadership Panel Discussion. Panelist. Brown Physicians, Inc. Leadership Academy. Providence, RI 05/2021.
37. Planetary Health Taskforce. For Planetary Health: global environmental change & emerging infectious disease for 1st & 2nd year Medical Students. Panelist. Alpert Medical School, Brown University. Providence, RI 09/2021.

MEDIA/ INTERVIEWS (selected):

2009	Publicity on 'Medicaid coverage no barrier to mammography access' http://www.reuters.com/article/2009/12/01/us-medicaid-mammography-s-idUSTRE5B04QV20091201	<i>Reuters</i>
2012	"OP-15 doesn't measure up" <i>Publicity on research on proposed Medicare head CT imaging measure reliability and accuracy</i>	<i>Imaging Economics, May 2012</i>
2012	"CMS Measure on Head CTs Draws Fire from EM" http://journals.lww.com/em-news/Citation/2012/05000/Breaking_News_CMS_Measure_on_Head_CTs_Draws_Fire.2.aspx <i>Publicity on research on proposed Medicare head CT imaging measure reliability and accuracy</i>	<i>Emergency Medicine News</i>
2013	'ER doctors join campaign to reduce wasteful care' http://www.bostonglobe.com/lifestyle/health-wellness/2013/10/13/doctors-reverse-position-join-campaign-reduce-wasteful-care/d5FIVpW9zSAzqphcVxqIfP/story.html <i>Publicity on ACEP Choosing Wisely® campaign</i>	<i>Boston Globe Metro</i>
2013	'A Push for Less Testing in Emergency Rooms' https://www.wsj.com/news/articles/SB10001424052702303519404579354813030233586 <i>Publicity on ACEP Choosing Wisely® campaign</i>	<i>Wall Street Journal</i>

2013	http://www.rwjf.org/en/about-rwjf/newsroom/newsroom-content/2013/04/lessons-from-boston—providing-trauma-care.html <i>Publicity on ‘Lessons from Boston: Providing Trauma Care’</i>	Robert Wood Johnson Foundation
2013	http://www.politifact.com/truth-o-meter/statements/2013/oct/28/nick-gillespie/does-emergency-care-account-just-2-percent-all-hea/ <i>Publicity on ‘Does emergency care account for just 2 percent of all health spending’</i>	Politifact.com
2013	https://itunes.apple.com/us/podcast/urgent-matters/id926385000?mt=2# <i>Guest on Urgent Matters Podcast, Cost Conscious Care</i>	Urgent Matters Podcast
2014	http://www.healthleadersmedia.com/quality/top-5-ed-procedures-avoid <i>Publicity on Top 5 Lists of Tests to Avoid in Emergency Medicine ‘Top 5 ED Procedures to Avoid’</i>	HealthLeaders Media
2014	https://www.bmj.com/content/348/bmj.q1601 <i>Publicity on Top 5 List of Tests to Avoid in Emergency Medicine ‘Five Emergency Procedures that Offer Little Value Are Listed in US Study’</i>	The BMJ
2014	https://newsatjama.jama.com/2014/02/17/author-insights-top-5-list-of-diagnostic-tests-that-emergency-physicians-can-forgo/ <i>Publicity on ‘Author Insights: Top 5 List of Diagnostic Tests That Emergency Physicians Can Forgo’</i>	news@JAMA
2014	http://thesgem.com/2014/03/sgem65-relax-dont-do-it-top-5-list-for-emergency-medicine/ <i>Guest on Skeptics Guide to Emergency Medicine Podcast, #65: Relax, Don’t Do It (Top 5 List for Emergency Medicine).</i>	Skeptics Guide to Emergency Medicine Podcast
2014	https://www.ahcmedia.com/articles/79481-apic-2014-infection-prevention-in-the-ed <i>Publicity on ‘APIC 2014: Infection prevention in the ED’</i>	AHC Media
2015	Freestanding EDs Find Homes in ‘Better’ Neighborhoods http://www.medscape.com/viewarticle/853561?src=smo_tw_emed <i>Publicity on Freestanding Emergency Departments Locate in More Affluent Areas</i>	Medscape Medical News
2015	Publicity on ‘Are freestanding emergency rooms following the money?’ http://www.reuters.com/article/us-health-access-freestanding-er-idUSKCN0ZZ2PA <i>Publicity on Freestanding Emergency Departments Locate in More Affluent Areas</i>	Reuters
2015	Publicity on ‘2017 EM Reading List’ for Lifelong Learning and Self-Assessment (LLSA) 2 articles (Clinical policy: Critical issues in the evaluation and management of adult patients with suspected acute non-traumatic thoracic aortic dissection and Infection Prevention in the Emergency Department) out of 12 listed https://www.abem.org/public/abem-maintenance-of-certification-(moc)/moc-lifelong-learning-and-self-assessment-(lls)/llsa-reading-lists/2017-em-reading-list	American Board of Emergency Medicine
2015	Publicity on ‘Are freestanding EDs helping only the wealthy?’ http://www.dallasnews.com/business/health-care/2016/08/02/free-standing-emergency-rooms-helping-wealthy <i>Publicity on Freestanding Emergency Departments Locate in More Affluent Areas</i>	Dallas Morning News
2015	http://www.bmj.com/content/351/bmj.h6760 <i>Publicity on ‘Choosing Wisely®: setbacks and progress’</i>	Jeanne Lenzer, Associate Editor, The BMJ
2017	https://www.nytimes.com/2017/05/29/health/lgbt-patients-doctors.html	New York Times

Publicity on 'Gay and Transgender Patients to Doctors: We'll Tell. Just Ask.'

2017	https://www.washingtonpost.com/business/economy/free-standing-emergency-rooms-offer-costly-convenience/2017/05/07/6255d052-2b98-11e7-b605-33413c691853_story.html?utm_term=.c48d97a3a91d	Washington Post
	<i>Publicity on research on freestanding emergency department policy</i>	
2017	http://www.cnn.com/2017/10/30/health/naloxone-reversal-success-study/index.html	CNN
	<i>Publicity on research on mortality after naloxone reversal for opioids</i>	
2017	http://www.bostonglobe.com/metro/2017/10/30/percent-rescued-narcar-mass-died-within-year-new-study-says/qj0T6kA2Tn91Rmh5FTUDGM/story.html?event=event25	Boston Globe
	<i>Publicity on research on mortality after naloxone reversal for opioids</i>	
2018	https://www.hbs.edu/faculty/Pages/item.aspx?num=53990	Harvard Business School
	<i>Harvard Business School Case written about my work improving Hand Hygiene: "Nudging Hand Hygiene Compliance at the Brigham and Women's Hospital (Case 918-035)"</i>	
01/2019	https://turnto10.com/i-team/nbc-10-i-team-911-changes-could-cut-unnecessary-trips-to-er	NBC-10 WJAR
	<i>Interview. "911 Changes Could Cut Unnecessary Trips to ER".</i>	
02/2019	https://medicalxpress.com/news/2019-02-access-federally-health-centers-ed.html	Medical Express
	<i>Interview. "Access to Federally Qualified Health Centers Does Not Translate into Lower Rates of ED Use"</i>	
06/2019	https://soundcloud.com/academic-life-in-em/acep-equal-tad	ACEP Podcasts
	<i>American College of Emergency Physicians. Emergency Quality Network (E-QUAL) Avoidable Imaging Initiative. Avoidable Imaging Podcasts. Clinical Policy- Thoracic Aortic Dissection. This podcast series from the Avoidable Imaging Wave IV series discusses the development and primary recommendation from the ACEP Clinical Policy for Thoracic Aortic Dissection.</i>	
07/2019	https://soundcloud.com/academic-life-in-em/acep-equal-renal-colic-imaging	ACEP Podcasts
	<i>American College of Emergency Physicians. Emergency Quality Network (E-QUAL) Avoidable Imaging Initiative. Avoidable Imaging Podcasts. Consensus: Renal Colic Imaging. This podcast series from the Avoidable Imaging Wave IV series discusses the development of and recommendations from the new publication from the ACEP E-QUAL group, "Imaging in Suspected Renal Colic: Systematic Review of the Literature and Multispecialty Consensus."</i>	
03/2020	https://turnto10.com/news/local/raimondo-recommends-newport-call-off-st-patricks-day-parade	NBC-10 WJAR
	<i>Interview. "Newport City Leaders Unanimously Cancel St. Patrick's Day Parade Over Coronavirus Concerns".</i>	
03/2020	https://www.wpri.com/health/coronavirus/ri-hospital-groups-explore-implementing-their-own-covid-19-testing/	WPRI-12
	<i>Interview, "RI Hospital Groups Explore Implementing Their Own COVID-19 Testing".</i>	
03/2020	https://www.providencejournal.com/news/20200318/ri-doctors-anxiously-watching-limited-supplies-of-protective-equipment	Providence Journal/ projo.com
	<i>Interview. "RI Doctors Anxiously Watching Limited Supplies of Protective Equipment"</i>	
03/2020	Lifespan Live Press Conference	Multi-media outlets
	<i>Lifespan's COVID19 response. Public service announcement to the community.</i>	

03/2020	https://www.wpri.com/health/coronavirus/top-hospital-group-lifespan-preparing-for-potential-surge-in-covid-19-patients/ Interview, "Top Hospital Group Lifespan Preparing for Potential Surge in COVID-19 Patients".	WPRI-12
03/2020	https://www.providencejournal.com/news/20200326/lifespan-completely-prepared-for-patient-surge-in-ri Interview. "Lifespan 'Completely Prepared' for Patient Surge in RI"	Providence Journal/ projo.com
03/2020	https://www.providencejournal.com/story/news/2020/03/11/newport-st-patrick-8217-s/1539838007/ Interview. "Newport St. Patrick's Day Parade canceled after second vote"	Providence Journal/ projo.com
04/2020	https://www.wpri.com/health/coronavirus/april-21-ri-coronavirus-update/ Interview. "COVID-19 Kills 16 More in RI, 394 New Cases; Field Hospitals, 2 Million Masks Ready".	WPRI-12
04/2020	https://turnto10.com/news/local/er-doctor-dont-be-afraid-to-go-to-the-hospital-for-emergency-care-during-the-pandemic Interview. "ER Doctor: Don't be Afraid to Go to the Hospital for Emergency Care During the Pandemic".	WJAR-10
05/2020	https://www.wpri.com/health/coronavirus/ri-emergency-room-visits-down-by-half-during-covid-pandemic/ Interview. "RI Emergency Room Visits Down by Half During COVID Pandemic".	WPRI-12
05/2020	https://www.providencejournal.com/news/20200527/some-ri-doctors-battling-coronavirus-also-face-pay-cuts Interview. "Some RI Doctors, Battling Coronavirus, Also Face Pay Cuts"	Providence Journal/ projo.com
05/2020	https://www.providencejournal.com/news/20200508/life-death-and-recovery-inside-er-at-rhode-island-hospital Interview. "Life, Death and Recovery: Inside the ER at Rhode Island Hospital"	Providence Journal/ projo.com
07/2020	https://www.providencejournal.com/story/news/coronavirus/2020/07/29/rsquowe-should-be-very-concernedrsquo-docs-sound-alarm-on-covid-rise-in-ri/42453243/ Interview. "'We Should be Very Concerned': Docs Sound the Alarm on COVID Rise in RI".	Providence Journal/ projo.com
07/2020	https://www.courant.com/coronavirus/hc-news-coronavirus-rhode-island-spike-20200731-6swqdseuyze3pf4i5hjqghehdu-story.html Interview. "Rhode Island Is Seeing a Coronavirus Spike. What Does that Mean for Connecticut?"	Hartford Courant
11/2020	https://thepublicsradio.org/article/hospital-er-s-bursting-as-coronavirus-cases-climb Interview. "Hospital ERs Bursting as Coronavirus Cases Climb"	The Public's Radio
11/2020	https://www.wpri.com/health/coronavirus/november-9-ri-coronavirus-update/ Interview. "COVID-19 Hospitalizations Top 200 Again in RI; 1,521 New Cases, 9 More Deaths"	WPRI-12
12/2020	https://www.providencejournal.com/story/news/local/2020/12/16/sore-arms-energized-staff-tears-joy-after-first-ri-covid-vaccines/3924131001/ Interview. "Sore Arms, Energized Staff, Tears of Joy after First RI COVID Vaccines".	Providence Journal/ projo.com
03/2021	https://www.nytimes.com/2021/03/30/upshot/covid-test-fees-lenox-hill.html Interview. "'It Felt Like Deception': An Elite NYC Hospital Charges Huge Virus Test Fees"	The New York Times
04/2021	https://www.bostonglobe.com/2021/04/01/metro/experts-worried-about-increase-covid-19-infections-ri/ Interview. "Experts Worried about Increase in COVID-19 Infections in RI.	Boston Globe
05/2021	https://www.bostonglobe.com/2021/05/14/metro/9-gunshot-victims-20-minutes-how-rhode-island-hospital-responded-thursdays-shooting-providence/	Boston Globe

Interview. "9 Victims in 20 Minutes: How Rhode Island Hospital Responded to Thursday's Shooting in Providence"

12/2021 <https://www.providencejournal.com/videos/news/coronavirus/2021/12/10/lifespan-leaders-discuss-the-fourth-surge-and-staffing-shortages/6463819001/> Providence Journal/ projo.com

Interview. "Lifespan leaders discuss staffing shortages at RI hospitals"

01/2022 <https://thepublicsradio.org/article/at-hospitals-in-ri-the-people-who-are-working-are-getting-covid-and-calling-out-sick-> NPR The Public's Radio

Interview. "At hospitals in RI 'the people who are working are getting COVID and calling out sick'"

GRANTS:

2008-2009 *Emergency department consultation quality improvement project*

Controlled Risk Insurance Company (CRICO)-Risk Management Foundation / Research Grant
PI, Award: \$471,485

In this project we aimed to define, measure, and improve communication, supervision, and timeliness of Emergency Department consultations in 7 Boston Area EDs. Methods included consensus meetings, a chart review of approximately 2000 records, and a survey of 580 consulting and emergency physicians.

2008-2012 *Developing emergency department quality of care indicators for community dwelling elders.*

Jahnigen Career Development Scholars Award, John A. Hartford Foundation and Atlantic Philanthropies / Career Development Grant
PI, Award: \$150,000

The goal of this project was to develop quality of care measures for elders in the emergency department and evaluate these measures through chart review.

2009-2011 *A pilot investigation of chest pain efficiency measures for Massachusetts emergency departments*

E.B. Kahn Young Investigator in Emergency Medicine, Department of Emergency Medicine, Brigham & Women's Hospital / Research Grant
PI, Award: \$20,000

The goal of this project was to measure and compare the use of observation care for ED patients with chest pain between Massachusetts acute care hospitals.

2010-2012 *Utilization and cost-efficiency of observation care for emergency department patients with chest Pain in Massachusetts*

The Harvard Clinical and Translational Science Center (NIH Award #UL1 RR 025758), Harvard Catalyst Pilot Grant
PI, Award: \$50,000

The goal of this project was to develop measures of use of observation for chest pain in Emergency Departments and measure variation across Massachusetts EDs.

2010-2012 *Use of observation care in emergency department evaluation of chest pain*

Society for Chest Pain Centers / Research Grant
PI, Award: \$10,000

The goal of this project was to develop measures of use of observation for chest pain in Emergency Departments and measure variation across Emergency Departments in Georgia.

2010-2012 *Using nursing home antibiograms to improve antibiotic prescribing and delivery*

(AHRQ), RFTO #23 (subcontract to Abt Associates)
PI on subcontract, Award: \$59,150

The goals of this project were to develop an antibiogram at 3 nursing homes (NHs) and evaluate its effect on antibiotic prescribing at the NH and when patients are transferred to the emergency department.

2010-2014 *Emergency department (ED) best practices to reduce healthcare associated infections (HAIs)*

Agency for Healthcare Research & Quality (AHRQ), R18 HS020013-01
PI, Award: \$1,014,411

The goals of this project were 1) to use epidemiological methods to measure HAI prevention practices in U.S. EDs; 2) to identify EDs that have successfully implemented such programs and use qualitative methods to identify techniques for implementing and sustaining best practices; and 3) to develop a cost-effective toolkit addressing HAIs for dissemination to ED leaders.

2012-2013 *Infection prevention in emergency care: A systems approach*

Agency for Healthcare Research & Quality (AHRQ), 1 R13 HS021616-01
PI, Award: \$49,000

The goals of this project were to organize a national conference to bring together leaders from emergency medicine, emergency nursing, infection prevention to identify barriers to infection prevention in emergency departments and develop a research agenda and strategies to improve infection prevention.

2013-2015 *Morbidity & mortality conferences and the culture of safety in emergency medicine.*

Brigham & Women's Hospital Departmental Seed Grant
Co-I, Award: \$5,000

A two-stage survey project to determine the structure of emergency medicine morbidity mortality conferences and the association of these conferences with department's culture of safety.

2013-2015 *Identifying best practices to reduce hospital admission from the emergency department*

Blue Cross Blue Shield of Massachusetts Foundation
PI, Award: \$139,099

The goals of this project were to identify three conditions for which there is clinically meaningful variation in admission to hospital after emergency department (ED) visits and conduct qualitative research to learn best practices from EDs with low admissions rates.

2013-2016 *Decision fatigue in emergency department admissions*

Robert Wood Johnson Foundation (RWJF)
PI, Award: \$149,000

The goals of this project were to determine if decision fatigue is associated with admission decisions by emergency physicians and conduct a randomized controlled trial to reduce decision fatigue in EDs.

2014-2015 *An analysis of freestanding emergency departments (FSED) in the U.S.*

Emergency Medicine Foundation (EMF)
PI, Award: \$50,000

To inventory FSEDs around the U.S. and determine factors in siting locations and effects on health care use and cost.

2014-2015 *Evaluation of protocolized observation care in an emergency department in central Haiti*

Emergency Medicine Foundation (EMF)
Co-I, Award: \$10,000

To evaluate the effect of implementing observation protocols in a low resource setting.

2014-2016 *Identify and intervene with emergency department super-users (i2 EDS)*

Brigham & Women's Physicians Organization Care Redesign Incubator & Start-up Program (B-CRISP)
PI, Award: \$12,000

The goals of this project were to engage ED frequent users using a community health worker with the aim of reducing ED visits by 5% and post-ED hospitalizations by 5% among the top 50 users.

2014-2017 *Patient-centered approaches to collect sexual orientation/gender identity information in the ED*

Patient-Centered Outcomes Research Institute (PCORI)
Co-I, Award: \$~100,000 (sub)

The project aimed to determine best practices for asking ED patients to identify sexual orientation/gender identity (SO/GI) status and recording it in the medical record and test these best practices.

2015-2018 *Proactively identifying emergency department risk in electronic health record implementation*

Active Controlled Risk Insurance Company (CRICO) -Risk Management Foundation / Research Grant
PI, Award: \$200,000

This project prioritizes a list of high-risk ED processes with potential safety threats from the electronic health record implementation, use proactive risk-assessment techniques to identify and quantify potential risks and severity of impact associated with these processes, and produce case studies and mitigation plans for each high-risk area.

2015-2019 *American College of Emergency Physicians (ACEP) Transforming Clinical Practice Initiative (TCPI)*

Active Center for Medicare & Medicaid Innovation's (CMMI)
Co-PI, Award: \$3,000,000; Co-PI, Venkatesh, AK

ACEP is one of 7 specialty societies selected to participate in the TCPI as a Support and Alignment Network (SAN). ACEP will support up to 34,000 clinicians to expand their quality improvement capacity, learn from one another, and achieve common goals of improved care, better health and reduced cost. The network will lead quality improvement learning projects to help clinicians improve patient care, while transitioning volume-driven systems to value-based, patient-centered, health care services. The project has three clinical focus areas: 1) savings lives through improved sepsis care, 2) supporting clinicians and patients in reducing avoidable testing by Choosing Wisely[®], and 3) Improving value of ED chest pain testing and hospitalization.

2015-2020 *Minimizing unnecessary irradiation from renal colic CT scans in the United States*

Active Agency for Healthcare Research & Quality (AHRQ), R18, 5R18HS023778-03 ????
Co-I, Award: \$38,898

This project aims to engage hospitals and EDs across the U.S. in minimizing radiation dose for renal CT using the Dose Index Registry.

2016-2017 *Early adoption of alternative payment models for emergency medical care: A mixed methods study of accountable care organizations*

Emergency Medicine Foundation (EMF)
PI, \$50,000

The goals of this project are to determine how ACOs are redesigning emergency care and payment for emergency care.

UNFUNDED RESEARCH-RELATED PROJECTS:

2016-2020	Value of Freestanding Emergency Departments (FSED) in the U.S. To inventory FSEDs around the U.S. and determine factors effects on health care use and cost.
2016-2019	Emergency Medicine Morbidity and Mortality Conference and the Culture of Safety. To examine structure and culture of Morbidity and Mortality Conferences to determine its effect on culture of safety and possible interventions to improve this culture.
2016 <i>Active</i>	Variation in Admission after Emergency Department Visits in the U.S. Investigating role of hospital, physician, and patient factors that explain the variation in hospital admission.
2016-2019	Political funding by Physician Political Action Committees and their support of Firearm Safety Policies.

UNIVERSITY TEACHING, ADVISING & MENTORING ROLES:

2002	A Case of Bleeding 10 Weeks Post-partum – Emergency medicine residents & faculty Brown Medical School/ Rhode Island Hospital – Emergency Medicine Residency Program 1-hour session
2002 – 2005	Journal Club – Emergency medicine residents & faculty Brown Medical School/ Rhode Island Hospital – Emergency Medicine Residency Program 3-hours/ month
2003	An Evidence-Based Approach to Renal Colic – Emergency medicine residents & faculty Brown Medical School/ Rhode Island Hospital – Emergency Medicine Residency Program 1-hour session
2004 - 2005	Emergency ECG Interpretation - 3rd and 4th year medical students Brown Medical School, Brown University/ Rhode Island Hospital Emergency Medicine Residency Program 1-hour session/ month
2004 - 2005	Fractures of the Hand, Wrist and Forearm – Emergency medicine residents & faculty Brown Medical School/ Rhode Island Hospital – Emergency Medicine Residency Program 1-hour session
2004 - 2005	Morbidity and Mortality – Emergency medicine residents & faculty Brown Medical School/ Rhode Island Hospital – Emergency Medicine Residency Program 5, 2-hour sessions
2007-2011	Formal Mentor, resident & career advisor Aaron Skolnik, MD – Harvard Medical School, Emergency medicine resident Accomplishments: Mentored for clinical and career development during emergency medicine residency.
2008	Quality Improvement Tools in Emergency Medicine - Emergency medicine residents & faculty Harvard-Affiliated Emergency Medicine Residency Program 3-hour session
2008	Diagnostic Error Conference: A Case of Paresthesias and Arm Pain - Emergency medicine residents & faculty Harvard-Affiliated Emergency Medicine Residency Program 1-hour session

- 2008 Mock Code – Emergency medicine residents & faculty
Harvard-Affiliated Emergency Medicine Residency Program, Brigham & Women’s Hospital
1-hour session
- 2008 Resident Report: Hand and Wrist Fractures - Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program, Brigham & Women’s Hospital
1-hour session
- 2008 Journal Club – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3, 3-hour sessions
- 2008 STRATUS – Toxicology TCA Case, Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2008-2009 Formal Mentor, undergraduate independent study advisor
Ashish Agrawal, MD – Harvard Medical School, undergraduate
Accomplishments: Mentored during independent study project, senior year at Harvard and summer job, Project entitled “Pneumonia Quality Improvement in the Emergency Department: Near Real-Time Feedback.” Continuing career development mentoring. Dr. Agrawal was selected for Paul and Daisy Soros New American Fellowship.
- 2008 – 2010 Introduction to Clinical Medicine (IN710M.23) – 2nd year medical students
Harvard Medical School
2.5 hours/week for 10 weeks
- 2008-2011 Formal Mentor, medical student independent study advisor
Munirih Qualls, MD – Harvard Medical School, medical student
Accomplishments: Mentored during medical student independent study project leading to publication (*Parametric vs. non-parametric statistical tests the length of stay example*)
- 2008-2011 Formal Mentor, resident research advisor
Christopher LeMaster, MD – Harvard Medical School, Emergency medicine resident
Accomplishments: Mentored research during emergency medicine residency, leading to receipt of 2008 Harvard Affiliated Emergency Medicine Residency Wuerz Resident Research Grant and 2009-2010 EMF/EMRA Resident Research Grant for “Catheter and Arterial Line Infections in an Urban Emergency Department (CLEAN)”. Three abstracts presented and publications (*Infection and natural history of emergency department placed central venous catheters; Systematic review of emergency department central venous and arterial catheter infection; and Implementing the central venous catheter infection prevention bundle in the emergency department: Experiences among early adopters*).
- 2008 - 2012 Introductory Airway - 3rd and 4th year medical students
Harvard Medical School
1.5 hours/week for 1 week/ 2x a year
- 2008 - 2018 Formal Mentor, resident & junior faculty, research advisor
Christopher Baugh, MD – Harvard Medical School, Emergency medicine resident & junior faculty
Accomplishments: Mentored research during emergency medicine residency, leading to receipt of 2008 Harvard Affiliated Emergency Medicine Residency Wuerz Resident Research Grant for “Unintended Consequences of Universal Health Care Reform: Effect on Volume of Emergency Department Visits in Massachusetts”. This led to three abstracts, presentations and articles (*Emergency department utilization*

after the implementation of Massachusetts health reform; Use of observation care in US emergency departments, 2001 to 2008; and Making greater use of dedicated hospital observation units for many short-stay patients could save \$3.1 billion a year). Continued mentorship as division chief.

- 2009 STRATUS – Ludwig’s Angina – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2009 Emergency Medicine Resident Report: A case of misdiagnosed Guillain-Barré syndrome – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour session
- 2009 STRATUS – Procedures for pediatrics, Children’s Hospital residents and attendings, Boston Children’s Hospital, Boston, MA
3-hour simulation session
- 2009-2010 Formal Mentor, research advisor
Thomas Chafe, RN – Brigham & Women’s Hospital, Emergency department nurse
Accomplishments: Mentored on clinical research project, leading to receipt of BWH 2009 Lily Kravitz Nursing Studies Award for “Central Venous Catheter Safety in the Emergency Department,” (*Implementing the central venous catheter infection prevention bundle in the emergency department: Experiences among early adopters*).
- 2009-2015 Formal Mentor, resident & junior faculty research advisor
Arjun Venkatesh, MD, MBA – Harvard Medical School, Emergency medicine resident and junior faculty
Accomplishments: Mentored resident research leading to receipt of 2009 Massachusetts ACEP Resident Research Grant, 2009 Harvard Affiliated Emergency Medicine Residency Wuerz Resident Research Grant, and 2010 Emergency Medicine Foundation Resident Research Grant for “Variations in Utilizations of Observation Stays Based on Clinical Diagnosis Across Massachusetts Acute Care Hospitals”.
Three abstracts presented and three publications (*Variation in the use of observation status evaluation in Massachusetts acute care hospitals, 2003-2006; Predictors of hand hygiene in the emergency department; Use of observation care in US emergency departments, 2001 to 2008; Systematic review of emergency medicine clinical practice guidelines: Implications for research and policy; The growing role of emergency departments in hospital admissions; and A “top five” list for emergency medicine: A policy and research agenda for stewardship to improve the value of emergency care*). Continued to mentor as an RWJ Clinical Scholar at Yale 2012-2014, on NIH Loan repayment program 2012-2015, and 2014-2015 EMF Health Policy Research Scholar Award. Awarded ACEP Quality Improvement and Patient Safety Section Resident Award for 2012 based on project I mentored.
- 2010 Emergency Medicine Resident Report: Hand and Wrist Fractures – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program, Brigham & Women’s Hospital
1-hour seminar
- 2010 STRATUS – Ear, Nose and Throat Board Review Case – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2010 STRATUS – Geriatric Emergency Medicine – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2010 STRATUS – Defibrillation and Pacing – Internal medicine interns

- Harvard-Affiliated Internal Medicine Residency Program, Brigham & Women's Hospital
3-hour simulation session
- 2010 STRATUS – Geriatric Emergency Medicine – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2010 STRATUS – Airway – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2010 STRATUS – Procedures for Pediatrics – Children's Hospital residents and attendings
Boston Children's Hospital, Boston, MA
3-hour simulation session
- 2010 - 2012 Patient – Doctor II – Introduction to Clinical Medicine (IN761.23) – 2nd year medical students
Harvard Medical School
4.5 hours/day for 1 day
- 2010 - 2012 Formal Mentor, resident research advisor
Ziad Obermeyer, MD – Harvard Medical School, Emergency medicine resident Accomplishments:
Mentored resident research project leading to receipt of 2010 Harvard Affiliated Emergency Medicine
Residency Wuerz Resident Research Grant and the Partners Graduate Medical Education Center of
Expertise in Quality & Patient Safety Research Grant for “Measuring death after discharge from the
Emergency Department”. This project led to 2012 NIH Director's Early Independence Award (EIA) and
publication, *Emergency care use and the Medicare hospice benefit for individuals with cancer with a poor
prognosis*. Dr. Obermeyer is an independently funded faculty member at BWH.
- 2010-2013 Formal Mentor, medical student research project advisor
Dylan Carney, (MD, MPH) – Harvard medical student
Accomplishments: Mentored on a project to define a top five list of tests that could be avoided in
emergency medicine, leading to an oral abstract presentation and publication: *Top five list for emergency
medicine: A pilot project to improve the value of emergency care*.
- 2011 Research Colloquiums – Emergency medicine residents
Harvard Affiliated Emergency Medicine Residency Program
3, 1-hour seminars
- 2011 Mock Oral Boards – Emergency medicine residents
Harvard Affiliated Emergency Medicine Residency Program
3-hour session
- 2011 STRATUS – Defibrillation and Pacing – Internal medicine interns
Harvard-Affiliated Internal Medicine Residency Program, Brigham & Women's Hospital
3-hour simulation session
- 2011 Emergency Medicine Resident Report: Do we have an obligation to promote resource stewardship in
emergency medicine – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
1-hour seminar
- 2012 STRATUS – Airway Assessment, facilitator – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
2-hour simulation session

- 2012 STRATUS – Geriatrics: Delirium and End of Life Care, Course Director – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session
- 2012 Evidence-Based Imaging Pathways – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
1-hour lecture
- 2012 Patient – Doctor II – OSCE Examiner Pulmonary (IN761.23) – 2nd year medical students
Harvard Medical School
2, 4-hour sessions
- 2012 Basic Procedural Skills – 3rd year medical students
Harvard Medical School
3-hour sessions
- 2012 Final Year Comprehensive OSCE Examiner, Geriatrics – 4th year medical students
Harvard Medical School
5-hour session
- 2012-2014 Formal Mentor, medical student research advisor
Jennifer Gibson- Chambers, (DO) – Harvard Medical School, medical student
Accomplishments: Mentored as medical student on three research projects using national datasets to investigate emergency department use of observation, urinary catheters and admission leading to research publications: *Use of observation care in US emergency departments, 2001 to 2008*; and *Urinary catheter use and appropriateness in US emergency departments, 1995-2010*. Recipient of 2013 medical student research grant from University of New England Medical School.
- 2012-2015 Clinical Tutor, Clinical Epidemiology and Population Health (AC511.0) – 1st year medical students
Council on Education for Public Health
4-hours/ week for 4 weeks
- 2012-2015 Formal Mentor, resident & junior faculty research & career advisor
Leah Honigman Warner, MD, MPH – Harvard Medical School, emergency medicine resident, junior faculty
Accomplishments: Completed project on emergency department crowding (*The most crowded US hospital emergency departments did not adopt effective interventions to improve flow, 2007-2010*). System leader in population health.
- 2012-current Formal Mentor, research advisor
Eileen Carter, RN, PhD – Harvard Medical School, doctoral student
Accomplishments: Received two year F31 grant to study “The examination of infection prevention and crowding in the emergency department.”(F31, NR014599) Completed research on catheter associated urinary tract infections in the emergency department leading to publications: *Emergency department catheter-associated urinary tract infection prevention: Multisite qualitative study of perceived risks and implemented strategies*; and *A qualitative study of factors facilitating clinical nurse engagement in emergency department catheter-associated urinary tract infection prevention*.
- 2012 - 2018 Formal Mentor, junior faculty research advisor
Michael Wilson, MD, PhD – Harvard Medical School, junior faculty
Accomplishments: Mentoring projects addressing cost and value of emergency care leading to research publication: *Infection and natural history of emergency department placed central venous catheters*.
- 2013 STRATUS – Toxicology, Emergency medicine residents

Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session

- 2013 – 2015 ERS, EDs, EM and Health Policy: Myths & Facts, Emergency Medicine Clinical Clerkship Lecture – 4th year medical students
Harvard Medical School/ Brigham & Women’s Hospital
4, 1-hour sessions, annually
- 2013 – 2015 Formal Mentor, resident research advisor
Margaret Greenwood-Ericksen, MD – Harvard Medical School, resident
Accomplishments: Mentoring on projects addressing admission to hospital after ED visits and 2014-2015 EMF/EMRA Resident Research Grant for ‘Policy Analysis and Usability of Prescription Drug Monitoring Programs (PDMPs) in Emergency Medicine’ leading to 4 national abstract presentations and research publications (*Best practices for prescription drug monitoring programs in the emergency department setting: Results of an expert panel; Usability of the Massachusetts Prescription Drug Monitoring Program in the emergency department: A mixed-methods study; and Trends in hospital admission and surgical procedures following ED visits for diverticulitis*).
- 2013 – 2015 Formal Mentor, resident research advisor
Kenneth Bernard, MD, MBA – resident
Accomplishments: Mentored on projects addressing admission to hospital after ED visits. 2 national abstract presentations and research publications: *Hospital-level variation and predictors of admission after ED visits for atrial fibrillation 2006 to 2011; and Systematic review of review of emergency medicine clinical practice guidelines: Implications for research and policy*.
- 2013 - 2015 Formal Mentor, junior faculty research advisor
Shada Rouhani, MD, MPH – Brigham & Women’s Hospital, Harvard Medical School, junior faculty
Accomplishments: Mentored projects addressing emergency medicine quality in low-resource countries and use of observation care in emergency department in Haiti and co-I on 2014-2015 EMF International Grant, ‘Evaluation of Protocolized Observation Care in an Emergency Department in Central Haiti’ leading to publication: *Emergency department quality and safety indicators in resource-limited settings: an environmental study*.
- 2013 – 2017 Formal Mentor, junior faculty research advisor
Kathleen Wittels, MD – Brigham & Women’s Hospital, Harvard Medical School, junior faculty
Accomplishments: Mentoring projects addressing emergency medicine morbidity and mortality conferences and culture of safety, including co-I on seed grant leading to 2 national abstract presentations and research publications: *Morbidity and mortality conference in emergency medicine residencies and the culture of safety; and Emergency medicine morbidity and mortality conference and culture of safety: The resident perspective*.
- 2013 - 2019 Formal Mentor, resident & fellow research advisor
Emily Aaronson, MD – Harvard Medical School, resident, fellow
Accomplishments: Mentoring began during residency and continues on projects addressing emergency medicine morbidity and mortality conferences and culture of safety leading to 2 national abstract presentations and 3 research publications: *Morbidity and mortality conference in emergency medicine residencies and the culture of safety; Emergency department quality and safety indicators in resource-limited settings: an environmental study; and Emergency medicine morbidity and mortality conference and culture of safety: The resident perspective*.
- 2013 - 2019 Formal Mentor, junior faculty advisor
Nadia Huancahuari, MD – Brigham & Women’s Hospital, Harvard Medical School, junior faculty

Accomplishments: Mentoring projects addressing quality improvement and disparities in sepsis care. Lead mentor on Brigham and Women's Hospital Minority Career Faculty Development Grant (2014-2021), American Board of Medical Specialties Grant (2015-2016), and Brigham Care Redesign Incubator and Startup Program (BCRISP) Grant (2016-2018). She received the 2021 Brigham Health Distinguished Clinician Award. She is the Brigham Health Medical Director for Quality, Safety, & Equity and Director, Quality Improvement & Patient Safety for the Department of Emergency Medicine, Brigham & Women's Hospital.

2013 – 2020

Formal Mentor, fellow & junior faculty research advisor

Michelle Lin, MD – research fellow, junior faculty

Accomplishments: Mentoring on projects addressing admission to hospital after ED visits. Fellow of Health Policy Research 2013-2015. Mentor on 2013-2014 ABMS Visiting Scholar Award. Mentor on 2015-2017 EMF Health Policy Research Scholar Award. Mentor on submitted K23 (K23 HL143042). Received American Board of Internal Medicine (ABIM) Foundation's 2013 "Teaching Value and Choosing Wisely® Competition." Led to research publications: *Hospital-level variation and predictors of admission after ED visits for atrial fibrillation 2006 to 2011*; and *Emergency physician knowledge, attitudes, and behavior regarding ACEP's Choosing Wisely® recommendations: A survey study*. Dr. Lin won the 2021 SAEM Young Investigator Award.

2014

STRATUS – Geriatrics: Delirium and End of Life Care, Course Director – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
3-hour simulation session

2014-2015

Formal Mentor, Scholarly Project Advisor

Alexis Ball, (MD, MPP) – Medical student

Accomplishments: Mentored during medical student independent study project using qualitative techniques to evaluate reasons for admission after ED visits for chest pain leading to oral presentation.

2014 – 2020

Formal Mentor, fellow & junior faculty advisor

Nneka Nzegwu, DO – Brigham & Women's Hospital, Harvard Medical School, fellow, junior faculty

Accomplishments: Recipient of CRICO Fellowship in Patient Safety and Quality.

2014 – 2020

Formal Mentor, fellow & junior attending research advisor

Kei Ouchi, MD – Brigham & Women's Hospital, Harvard Medical School, fellow, junior faculty

Accomplishments: Mentoring on projects to engage seriously ill patients in end-of life discussions in the ED. Recipient of 2015 American Board of Internal Medicine Foundation Bright Idea Award, Choosing Wisely® Challenge. Fellow of Health Policy Research (2014-2016). Recipient of grants from the Emergency Medicine Foundation, EMF/SAEM Grants for Early Medical/Surgical Specialists' Transition to Aging Research (GEMSSTAR), and National Institute on Aging leading to research publications: *Feasibility testing of an emergency department screening tool to identify older adults appropriate for palliative care consultation*; *Index to predict in-hospital morality in older adults after non-traumatic emergency department intubations*; and *The "surprise question" asked of emergency physicians may predict 12-month mortality among older emergency department patients*.

2014 – 2020

Formal Mentor, resident, fellow research advisor

Sabrina Poon, MD – Harvard Medical School, Brigham & Women's Hospital, resident, fellow

Accomplishments: Mentoring on EMF/EMRA Resident Research Grant 'Policy Analysis and Usability of Prescription Drug Monitoring Programs (PDMPs) in Emergency Medicine'. 3 national abstract presentations and 2 research publications: *Best practices for prescription drug monitoring programs in the emergency department setting: Results of an expert panel*; and *Usability of the Massachusetts Prescription Drug Monitoring Program in the emergency department: A mixed-methods study*.

- 2015-2016 Formal Mentor, medical student scholarly project advisor
Catherine Gutierrez, (MD) – Harvard Medical School, medical student
Accomplishments: Mentored during medical student independent study project leading to oral presentations and publication (*State regulation of free-standing emergency departments varies widely, affecting location, growth and services provided*).
- 2015 – 2017 Formal Mentor, fellow advisor
Rebekah Heckmann, MD – Harvard Medical School, fellow
Accomplishments: Completed Health policy fellowship and MPA at Kennedy School.
- 2016 Emergency Medicine Patient Safety and Quality Issues: A Primer – Harvard Medical School Patient Safety and Quality fellows
Harvard Medical School
2-hour seminar
- 2016 Risk in Emergency Medicine – Emergency medicine residents
Beth Israel Deaconess Medical Center Emergency Medicine Residency Program
3-hour lecture
- 2016 Risk in Emergency Medicine – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
2-hour lecture
- 2016 Patient-Doctor II – OSCE Examiner, Musculoskeletal (IN761.23) – 2nd year medical students
Harvard Medical School
2, 4-hour sessions
- 2016 – 2019 Formal Mentor, resident research advisor
Paul Jansson, MD, MS – Harvard Medical School, Brigham & Women’s Hospital, emergency medicine resident
Accomplishments: Completed study of anonymity in morbidity and mortality conference leading to oral presentations.
- 2016 – 2020 Formal Mentor, attending advisor
Paul Chen, MD, MBA – Brigham & Women’s Hospital, Harvard Medical School, emergency medicine attending physician
Accomplishments: Funded to lead project “Reducing Avoidable Hospital Admissions Through Acute Care Plans” by Brigham Care Redesign Incubator and Startup Program (BCRISP) Grant (2017-2018).
- 2016 – 2019 Formal Mentor, medical student research advisor
Hannah Decker – Emory University School of Medicine, medical student
Accomplishments: Presented research abstract at American College of Emergency Physicians Scientific Assembly, national meeting.
- 2017 STRATUS – Resuscitation Assessment – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
2-hour simulation session
- 2017 Tick-Bourne Diseases – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program
1-hour lecture
- 2017 STRATUS – Trauma – Emergency medicine residents
Harvard-Affiliated Emergency Medicine Residency Program

	2-hour simulation session
2017	Risk in Emergency Medicine – Pediatric emergency medicine fellows Boston Children’s Hospital, Boston, MA 2-hour lecture
2017	MedicoLegal Case Review – Emergency medicine residents Beth Israel Deaconess Medical Center Emergency Medicine Residency Program 3-hour seminar
2017	MedicoLegal Case Review – Emergency medicine residents Harvard-Affiliated Emergency Medicine Residency Program 2, 3-hour seminars
2017	Hand and Wrist Injuries – Emergency medicine residents Harvard-Affiliated Emergency Medicine Residency Program 2, 1-hour seminars
2017	Emergency Medicine Career Panel – 1 st & 2 nd year medical students Harvard Medical School 1-hour session
2019	Shortness of Breath, Medical Simulation Session – Emergency medicine residents Lifespan Medical Simulation Center 1-hour session
2019 – 2022	Formal Mentor, Junior faculty member Taneisha Wilson, MD, ScM –

HOSPITAL TEACHING, ADVISING, & MENTORING ROLES:

2007-2018	Attending Physician, Emergency Medicine Residency Bedside Teaching Brigham & Women’s Hospital, Boston, MA 360 hours per year
2007-2018	Attending Physician, Emergency Medicine Residency Bedside Teaching RI Hospital and The Mirriam Hospital, Providence, RI 300 hours per year
2007-2018	Attending Physician, Emergency Medicine Residency Bedside Teaching Saint Elizabeth’s Medical Center, Boston, MA 450 hours per year

TRAINING GRANTS & MENTORED TRAINEE GRANTS:

2008-2009	Mentor to Christopher Lemaster, MD - Resident Recipient, \$4,000 <i>Infection rates following placement of central venous catheters and arterial lines in the emergency department</i> Richard C. Wuerz Award for Emergency Medicine Research, Department of Emergency Medicine, Brigham & Women’s Hospital / Resident Research Grant
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The goal of this study was to determine the rate of catheter associated central line infections for central lines placed in the emergency department using chart review.

- 2009-2010 Mentor to Christopher Lemaster, MD - Resident Recipient, Award: \$5,000
Emergency department central venous catheters: Prospective registry and quality improvement project
 Emergency Medicine Foundation (EMF), Resident Research Grant
 The goal of this study was to identify emergency departments that were early adopters of the central venous catheter infection control checklist and use qualitative methods to describe motivations, barriers and solutions to implementing the checklist and observer protocol.
- 2010-2011 Mentor to Arjun Venkatesh, MD - Resident Recipient, Award: \$5,000
The impact of observation care on preventable admissions and emergency department re-visitation
 Emergency Medicine Foundation (EMF), Resident Research Grant
 The goal of this study was to describe variation in Emergency Department (ED) disposition by clinical diagnosis and to determine if the presence of a dedicated ED observation unit is associated with variation in ED re-visitation.
- 2010-2012 Mentor to Ziad Obermeyer, MD - Resident Recipient, Award: \$7,000
Measuring death after discharge from the emergency department
 Harvard Affiliated Emergency Medicine Residency Wuerz Resident Research Grant and the Partners Graduate Medical Education Center of Expertise in Quality & Patient Safety Research Grant
 The project aimed to identify patients who died unexpectedly after ED discharge and identify predictive characteristics including patient factors, staff factors, and time/unit factors.
- 2014-2015 Mentor to Margaret Greenwood-Ericksen, MD and Sabrina Poon, MD - Resident Recipients, Award: \$5,000
Policy analysis and usability of prescription drug monitoring programs (PDMPs) in emergency medicine
 Emergency Medicine Foundation (EMF)
 To evaluate the usability of PDMPs in the ED setting.
- 2014-2015 Co-Mentor to Arjun Venkatesh, MD, MBA - PI, Award: \$132,200
Evaluating the impact of observation services on ED admissions rates: Implications for quality measurement
 Emergency Medicine Foundation (EMF)/EMAF Health Policy Scholar
 To evaluate the Impact of Observation Services on ED Admissions Rates in U.S. hospitals to determine the effect on publicly reported quality measures.
- 2014-2015 Mentor to Michelle Lin, MD, MPH - Recipient, Award: \$12,500
Identify and intervene with ED super-users
 American Board of Medical Specialties
 A multidisciplinary effort to improve the quality and cost of health care for patients who frequent the Emergency Department (ED).
- 2014-2019 Mentor to Nadia Huancahuari, MD - Recipient, Award: \$200,000
Identifying disparities in emergency department sepsis care
 Brigham and Women's Hospital Minority Faculty Career Development Award
 Career development grant to support academic development and a research project on sepsis disparities in ED care.
- 2015-2016 Mentor to Nadia Huancahuari, MD, MA - Recipient, Award: \$12,500
Disparities in emergency department sepsis care due to language differences
 American Board of Medical Specialties
 This project seeks to determine if language differences contribute to disparities in emergency department sepsis care.
- 2015-2016 Mentor to Michelle Lin, MD, MPH - Recipient, Award: \$99,931
Cost-effectiveness analysis of ACEP's Choosing Wisely® campaign
 Emergency Medicine Foundation (EMF)/EMAF Health Policy Scholar

To determine the cost effectiveness of two of the Choosing Wisely® recommendations of the American College of Emergency Physicians.

2016-2017 Mentor to Kei Ouchi, MD, MPH - Recipient, Award: \$50,000
My value in care: Activating older adults with serious illness in the emergency department to formulate their goals for medical care
Emergency Medicine Foundation (EMF)
To develop a brief, motivational interview-based emergency department (ED) intervention in order to facilitate conversations about advance care planning.

2016-2018 Mentor to Nadia Huancahuari, MD, MA - Recipient, Award: \$100,000
Emergency department callback clerk program
Brigham Care Redesign Incubator and Startup Program (BCRISP)
To develop a program to train non-clinical staff to call emergency department patients after visits for service recovery and care linkage.

2017-2019 Mentor to Kei Ouchi, MD, MPH - Recipient, Award: \$12,500
Identifying and empowering older adults with serious illness to formulate their goals for medical care in the emergency department
Emergency Medicine Foundation (EMF)/Society for Academic Emergency Medicine (SAEM) Grants for Early Medical/Surgical Specialists' Transition to Aging Research (GEMSSTAR)
To develop a brief motivational interview approach to identifying and empowering older adults with serious illness to formulate their goals for medical care in the emergency department.

2017-2019 Mentor to Kei Ouchi, MD, MPH – Recipient, Award: \$90,000
Identifying and empowering older adults with serious illness to formulate their goals for medical care in the emergency department
National Institute on Aging (R03, AG056449)
Grants for Early Medical/Surgical Specialists' Transition to Aging Research (GEMSSTAR) To analyze a large clinical database to study the prognostic accuracy of emergency physicians' responses to the following question: "Would you be surprised if your patient died in the next 12 months?" And to pilot test the feasibility of using brief motivational interview intervention to empower older adults with serious illness to formulate and communicate their goals for medical care after leaving the emergency department (ED).

REPORT OF TEACHING AND EDUCATION INNOVATIONS:

2015 - Approach to Identifying Residents and Attendings at Morbidity and Mortality Conference
2017 I led a team that has studied the impact of identifying residents or keeping them an anonymous at morbidity and mortality conferences. We conducted two national surveys to review practices in emergency medicine residencies across the US (research publication). We then conducted a six-month pilot of anonymity in the morbidity and mortality conference at the Harvard affiliated Emergency Medicine Residency (Massachusetts General Hospital, Brigham & Women's Hospital). After finding that anonymity did not significantly improve perceived culture of safety, we modified morbidity and mortality conference to not identify interns, but to identify residents and attendings and have added specific didactic language to encourage open, nonpunitive discussion.

2017 Medical legal Case Review in Emergency Medicine
I led a team at CRICO, the captive malpractice insurer for Harvard affiliated teaching hospitals, to develop an educational seminar on medical malpractice that reviews a closed case regarding emergency medicine. Most resident education regarding medical malpractice comes secondhand, informally from attending

physicians, or is summary lecture material. This seminar leads residents and fellows through the complete cycle of a medical malpractice case from the original emergency department records through the case closure. I lead this session for the two emergency medicine residencies (Brigham & Women’s Hospital, Massachusetts General Hospital, Beth Israel Deaconess Medical Center) and the pediatric emergency medicine fellowship (Boston Children’s Hospital) annually and it has received excellent ratings.

REPORT OF EDUCATION OF PATIENTS & SERVICE TO THE COMMUNITY:

2014 Avoid Unnecessary Treatments in the ED – Patient Educational Material, Physician Content Leader Patient education materials developed to promote the Choosing Wisely® recommendations from the American College of Emergency Physicians. Developed jointly with Consumer Reports. <http://www.choosingwisely.org/patient-resources/avoid-unnecessary-treatments-in-the-er/>

CLINICAL INNOVATIONS:

2009 Community Acquired Pneumonia (CAP) QI Improvement System at Brigham & Women’s Hospital Emergency Department This quality improvement program improved practice in the ED at BWH. I developed a system for identifying patients with CAP, a structured chart review, spreadsheet, and pre-structured feedback emails to clinicians. Since implementation, performance on the three publicly reported CAP core measures that are reported to the Centers for Medicare and Medicaid Services and The Joint Commission improved significantly.

2009 Central Line Insertion Checklist for Emergency Departments The central line insertion checklist was previously developed for use in intensive care units, but we found that it did not work well in Emergency Department workflow. We convened a multidisciplinary team to revise the central line insertion checklist for ED use and then implemented it at Brigham and Women’s Hospital ED resulting in significant improvements in central line infection control practices.

2009 - 2011 Imaging Appropriateness Project for Partners Healthcare Emergency Departments I led the workgroup across 6 Partners EDs that developed clinical pathways for ordering computed tomography for mild traumatic head injury and pulmonary embolus and implemented appropriateness measures including chart review with audit and feedback.

2010 Hand Hygiene QI Improvement System at Brigham & Women’s Hospital Emergency Department This quality improvement program improved hand hygiene in the ED at BWH. I developed a program of direct observation by clinical research assistants is near real-time feedback to health care providers. The system has resulted in significant improvements in ED hand hygiene that have been reported at the American College of Emergency Medicine scientific assembly, the Institute for Healthcare Improvement’s annual meeting, and are in press at the Agency for Healthcare Research and Quality’s website, Innovations Exchange. <https://innovations.ahrq.gov/profiles/ongoing-monitoring-prompt-feedback-and-reminders-improve-hand-hygiene-busy-urban-emergency>

2010 - 2011 NQF-endorsed Performance Measures for Emergency Medicine I co-chaired the workgroup of the American College of Emergency Physicians’ Quality and Performance Committee that developed a set of performance measures for emergency medicine. Five of these measures have been endorsed by the National Quality Form. They were included in the Centers for Medicare and

		<p>Medicaid Services Physician Quality Reporting System from 2012-2106 (M40-M44)</p> <p>Performance measure “Pregnancy test for female abdominal pain patients” (2008) National Quality Forum (NQF) measure # 502, endorsed 10/24/2008. (M41)</p> <p>Performance measure “Anticoagulation for acute pulmonary embolus patients” (2008) National Quality Forum (NQF) measure # 503, endorsed 10/24/2008. (M40)</p> <p>Performance measure “Ultrasound determination of pregnancy location for pregnant patients with abdominal pain” (2010) (#254)</p> <p>Performance measure “Rh immunoglobulin (Rhogam) for Rh negative pregnant women at risk of fetal blood exposure” (2010) National Quality Forum (NQF) measure # ACP-003-10, endorsed 1/17/2011. (#255)</p> <p>Performance measure “Ultrasound guidance for Internal Jugular central venous catheter placement” (2010) National Quality Forum (NQF) measure # ACP-043-10, endorsed 1/17/2011. (M44)</p>
2010 – 2011	NQF-endorsed Performance Measures of Imaging Efficiency for Emergency Medicine	<p>I convened and led the workgroup at the BWH department of emergency medicine that developed four new measures of imaging efficiency for the emergency department. Three of these measures were endorsed by the NQF.</p> <p>Performance measure “Pulmonary CT imaging for patients at low risk for pulmonary embolism” (2010) National Quality Forum (NQF) measure # IEP-005-10, endorsed 12/2010. This measure has been included in the ACEP Clinical Emergency Data Registry.</p> <p>Performance measure “Appropriate head CT imaging in adults with mild traumatic brain injury” (2010). National Quality Forum (NQF) measure # IEP-007-10, endorsed 12/2010. This measure has been included in the ACEP Clinical Emergency Data Registry.</p> <p>Performance measure “Appropriate Cervical Spine Radiography and CT Imaging in Trauma” (2010). National Quality Forum (NQF) Measure ID #: IEP-008-10, endorsed 12/2010. This measure has been included in the ACEP Clinical Emergency Data Registry.</p>
2011	Urinary catheter appropriateness decision support in Brigham & Women’s Hospital Emergency Department order entry system	<p>I led a quality improvement program that integrated the CDC appropriateness criteria into the ED order entry resulting in improved practice in the Brigham & Women’s Hospital ED. This work was recognized as part of a Partners in Excellence award in 2010.</p>
2012 - 2014	Choosing Wisely® Top 10 List for Emergency Medicine	<p>I led the development of the first “Top Five” list of avoidable tests and procedures for emergency medicine and led the American College of Emergency Physicians participation in the Choosing Wisely® campaign. The American College of Emergency Physicians initially chose not to participate in the Choosing Wisely® campaign. I organized a group of emergency physicians across the Partners Healthcare emergency departments and conducted a consensus-based expert panel to identify a “Top Five” list which was published (<i>Top five list for emergency medicine: a pilot project to improve the value of emergency care</i>). Additionally, I lobbied the American College of Emergency Physicians to join the Choosing Wisely® campaign and after they agreed to join I was chosen to co-chair the Cost Effectiveness Committee and led a technical expert panel process to develop the two lists of 5 avoidable tests and procedures for emergency medicine. These have</p>

been distributed worldwide. <http://www.choosingwisely.org/societies/american-college-of-emergency-physicians/>

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| 2013 | Checklist for Administering Uncross-matched Blood | I led the development and implementation of a new checklist to be used before the emergency administration of uncross-matched blood. This was developed in response to an adverse event where a young woman was given O positive blood, exposing her to Rh antigen. |
| 2014 -
2016 | Program to Improve Care among Frequent Emergency Department | I led a program to engage ED frequent users using 1) a community health worker and 2) acute care plans with the aim of reducing ED visits by 5% and post-ED hospitalizations by 5% among the top 50 users. In the first 4 months we reduced ED visits by 30% and saved \$350,000 to net margin. Awarded Massachusetts Hospital Association (MHA): Accountable Care Compass Award; Providing Care to Special Populations. |
| 2015-
2020 | Emergency Quality Network: E-QUAL | I am co-leading the first national quality improvement collaborative in Emergency Medicine. The Emergency Quality Network (E-QUAL) is a national project coordinated through the American College of Emergency Physicians and funded by a grant from the Centers for Medicare and Medicaid Innovation. The collaborative has engaged over 900 emergency departments to participate in projects to improve sepsis care, reduce avoidable imaging following the Choosing Wisely® recommendations, and improve the value of low-risk chest pain evaluations. https://www.acep.org/equal/ |
| 2016 | Front End Team | I co-led the development of a new care team to initiate evaluation and management of emergency department patients in the waiting room. In response to hospital boarding and crowding ED patients were experiencing prolonged delays due to lack of space in the emergency department. Implementation of the new team resulted in reduction in left-without-being-seen rate from 3.5% to 1.9% and reduction in median time from arrival to initial contact with a medical provider. |
| 2016 | Code Help | I was a physician leader on the team that developed a new hospital Code Help policy. Code Help is a Massachusetts Department of Public Health mandate that all hospitals rapidly move in patients boarding in the emergency department to inpatient beds during times of significant crowding. We developed a detailed code help policy that set defined triggers for emergency department activation, and specific jobs for responsible parties throughout the hospital. Implementation of the policy has resulted in improved response to emergency department crowding. |