

# MANISH N. SHAH, MD, MPH

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## PERSONAL DATA

Work BerbeeWalsh Department of Emergency Medicine  
University of Wisconsin School of Medicine & Public Health  
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Google Scholar <https://scholar.google.com/citations?user=En6RKncAAAAJ&hl=en>

## EDUCATION

2006 **MPH in Clinical Investigation**, Rochester Clinical Research Curriculum, University of Rochester School of Medicine & Dentistry, Rochester, NY  
▪ Thesis: The epidemiology of emergency medical services use by older adults: an analysis of the National Hospital Ambulatory Medical Care Survey  
▪ Committee Chair: Bruce Friedman, PhD

1999-2001 **Robert Wood Johnson Clinical Scholars Program**, The University of Chicago, Chicago, IL  
▪ Mentors: David O. Meltzer, MD, PhD; Marshall Chin, MD, MPH

1996-1999 **Emergency Medicine Residency Program**, The Ohio State University, Columbus, OH  
▪ Chief Resident (1998-1999)

1996 **MD**, University of Rochester School of Medicine & Dentistry, Rochester, NY

1992 **BA**, Biology, The University of Chicago, Chicago, IL

## BOARD CERTIFICATION & LICENSURE

2015-present Wisconsin License  
1997-2017 Ohio License  
2001-2016 New York License  
1999-2003 Illinois License  
2000 Diplomate, American Board of Emergency Medicine (recertified 2010, 2020)

## POSITIONS

### PRESENT

2022-present **Chair**, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison

2022-present **The Azita G. Hamedani Distinguished Chair of Emergency Medicine**, University of Wisconsin-Madison

2021-present **Associate Director for Faculty Development**, Center for Health Disparities Research, University of Wisconsin-Madison

2021-present **Faculty Collaborator**, Wisconsin Institute for Healthcare Systems Engineering (WIHSE)

- 2018-present **Professor with Tenure**, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2017-present **Affiliate Faculty**, Master of Public Health Program, University of Wisconsin-Madison
- 2015-present **Attending Physician**, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-present **Affiliate Faculty**, Department of Population Health Sciences, University of Wisconsin-Madison
- 2015-present **Affiliate Faculty**, Department of Medicine, Division of Geriatrics and Gerontology, University of Wisconsin-Madison

## PAST

- 2021-2022 Interim Chief, Division of Prehospital Medicine, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2017-2022 Director, Tenure Track Promotions, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2016-2022 Director, KL2 Program, Institute for Clinical and Translational Research, University of Wisconsin-Madison
- 2015-2022 Vice Chair of Research, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-2022 The John & Tashia Morgridge Chair of Emergency Medicine Research Endowed Chair, University of Wisconsin-Madison
- 2015-2021 Faculty Associate, Center for Human Factors Engineering in Healthcare, MedStar Institute for Innovation
- 2016-2018 Associate Professor with Tenure, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-2017 Vice Chair for Academic Affairs, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-2016 Assistant Director, KL2 Program, Institute for Clinical and Translational Research, University of Wisconsin-Madison
- 2015 Associate Professor (Visiting), BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2013-2015 Associate Professor with Tenure, Departments of Emergency Medicine, Public Health Sciences, Medicine (Geriatrics and Aging) and the Center for Community Health, University of Rochester School of Medicine & Dentistry
- 2010-2015 Associate Chair for Research, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2003-2015 Physician Preceptor, Monroe Community College Paramedic Program
- 2001-2015 Attending Physician, Department of Emergency Medicine, Highland Hospital
- 2001-2015 Attending Physician, Department of Emergency Medicine, Strong Memorial Hospital
- 2008-2014 Associate Director, Prehospital Medicine Fellowship Program, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2010-2013 Associate Professor, Center for Community Health, University of Rochester School of Medicine & Dentistry
- 2008-2013 Chief, Division of Prehospital Medicine, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2007-2013 Associate Professor, Departments of Emergency Medicine, Public Health Sciences, Medicine (Geriatrics & Aging), University of Rochester School of Medicine & Dentistry

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|-----------|---|
| 2009-2010 | Medical Director, Emergency Observation Unit, Strong Memorial Hospital / University of Rochester Medical Center   |
| 2001-2007 | Assistant Professor, Departments of Emergency Medicine and Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry |
| 2001      | Instructor, Clinical Medicine, Division of Emergency Medicine, Northwestern University Medical School   |
| 2001      | Attending Physician, Department of Emergency Medicine, Northwestern Memorial Hospital   |
| 1999-2001 | Emergency Physician, Ravenswood Hospital Medical Center   |
| 1998-1999 | Chief Resident, Department of Emergency Medicine, The Ohio State University   |

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

### **AMERICAN GERIATRIC SOCIETY 2002-present**

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|--------------|---|
| 2015-2022    | Geriatrics for Specialists Governing Council Member, SAEM Representative  |
| 2013-2022    | Representative to the National Associate of Emergency Medical Technicians / Geriatrics Education for Emergency Medical Services Committee <ul style="list-style-type: none"><li>▪Medical Director, 2014-2022</li><li>▪Steering Committee, 2013-2022</li></ul> |
| 2007-present | Section for Enhancing Geriatric Understanding and Expertise Among Surgical and Medical Specialists <ul style="list-style-type: none"><li>▪Program Committee, 2007-2012, Chair 2010-2011</li></ul>   |
| 2007-2008    | Dennis W. Jahnigen Career Development Scholars Leadership Meeting Program Committee   |

### **ASSOCIATION OF ACADEMIC CHAIRS OF EMERGENCY MEDICINE 2022-present**

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| 2023-present | Research Committee |
|--------------|--------------------|

### **NATIONAL ASSOCIATION OF EMERGENCY PHYSICIANS 1997-present**

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| 2012-2014,<br>2007, 2009,<br>2002-2005 | Annual meeting poster or oral abstract session moderator  |
| 2008-2011                              | Program Committee   |
| 2005                                   | Board of Directors Nominating Committee   |
| 2001-2009                              | Research Committee <ul style="list-style-type: none"><li>▪Chair, 2007-2009</li><li>▪Vice Chair, 2005-2007</li></ul> |

### **NATIONAL ASSOCIATION OF EMERGENCY MEDICAL TECHNICIANS 2013-2022**

|           |   |
|-----------|---|
| 2013-2022 | Geriatrics Education for Emergency Medical Services <ul style="list-style-type: none"><li>▪Medical Director, 2014-2022</li><li>▪Steering Committee, 2013-2022</li></ul> |
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### **AMERICAN COLLEGE OF EMERGENCY PHYSICIANS 1995-present**

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|--------------|--|
| 2017-present | Geriatric Emergency Department Accreditation Program <ul style="list-style-type: none"><li>▪Advisory Board, Chair, 2020-2022</li><li>▪Board of Governors, 2017-2020</li><li>▪EMS Workgroup, Lead, 2022-present</li></ul> |
| 2010-present | Research Committee <ul style="list-style-type: none"><li>▪Committee Chair, 2018-2020</li></ul>   |

- Research Awards Subcommittee, 2018-2021
- Scientific Review Subcommittee, 2010-present
- Firearms Research Subcommittee 2014-2016, Chair 2014-2015
- Practice Based Research Network Subcommittee, 2010-2014
- 2020 Annals of Emergency Medicine's Editor in Chief Evaluation Task Force
- 2010-2016, 2019 Annual meeting poster or oral session moderator
- 2015-present Wisconsin Chapter
- 2001-2015 New York Chapter

**SOCIETY OF ACADEMIC EMERGENCY MEDICINE 1995-present**

- 2008-present Academy of Geriatric Emergency Medicine
  - Member-at-Large, 2013-2015
  - Vice President, 2009-2011
- 2015-2022 Representative to the Governing Council of the AGS Section for Enhancing Geriatric Understanding and Expertise Among Surgical and Medical Specialists
- 2018-2020, 1998-2001 Research Committee
- 2005-2015 Grant Committee
  - Committee Chair, 2013-2015
  - Research Training Grant Subcommittee, Chair 2011
  - EMS Research Fellowship Grant Subcommittee, Chair 2010
  - Institutional Research Training Grant Subcommittee, Chair 2009, 2012
- 2005-2009 Geriatrics Task Force
- 2002-2009 Geriatrics Interest Group
  - Chair, 2005-2007

**SOCIETY OF ACADEMIC EMERGENCY MEDICINE FOUNDATION 2013-2015, 2019-present**

- 2019-present Board of Trustees
  - President, 2023-present
  - President-Elect, 2022-2023
  - Secretary/Treasurer, 2021-2022
  - Events Committee, 2020-present
- 2014-present Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop
  - Director, 2015-2022
  - Co-Director, 2023-present
  - Faculty, 2014-present

**HONORS AND AWARDS**

- 2024 **SAEM Organizational Achievement Award**, Society for Academic Emergency Medicine
- 2022 **Pioneer Award**, Academy of Geriatric Emergency Medicine, Society for Academic Emergency Medicine
- 2022 **Service Award**, Scientific Review Section, American College of Emergency Physicians
- 2022 **SAEM 2021 Young Investigator Award for Best Abstract, Presentation, and Manuscript**, awarded to Dr. Gwen Jacobsohn for the team abstract "Randomized controlled trial of an emergency department-to-home care transitions intervention for community-dwelling older adults"

- 2022 **Best Learner Poster**, awarded to mentee Tikiri Bandara for the team abstract titled “A Retrospective Content Analysis of Coach-facilitated Goal Setting by Older Adults Following ED Discharge” at the 30<sup>th</sup> Annual Wisconsin Emergency Medicine Research Forum, held in conjunction with the Wisconsin Chapter of the American College of Emergency Physicians annual conference.
- 2021 **Academic Career Achievement Award**, Academy of Geriatric Emergency Medicine, Society for Academic Emergency Medicine
- 2019 **Best Student Presentation (Oral)** awarded to mentee Nia Cayenne for “Social Isolation as a Predictor of Post-ED Visit Follow-up by Older Adults.” Wisconsin Emergency Medicine Research Forum. Milwaukee, WI
- 2019 **Ronald E. McNair Scholars Fellowship**, mentor to Nia Cayenne
- 2019 **The Gerson-Sanders Award for Contributions to Geriatric Emergency Medicine**, Academy of Geriatric Emergency Medicine, Society for Academic Emergency Medicine
- 2017 **Top 10 Poster Presenter Award** to mentee Nia Cayenne for “Paramedic-Delivered Care Transitions Coaching for Older Adults Discharged Home from the Emergency Department.” AcademyHealth Annual Research Meeting. New Orleans, LA
- 2016 **Faculty Scholarship Award**, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015 **Fellow, American Geriatrics Society**
- 2014 **Top Six Reviewer**, *Journal of the American Geriatrics Society*
- 2013 **Marvin J. Hoffman Excellus Blue Cross/Blue Shield Geriatric Research Award** to medical student Stacy Salerno for “A Qualitative Exploration of Emergency Department Revisits by Older Adults”
- 2013 **Consistent High Performer**, Emergency Medicine Patient Satisfaction, University of Rochester Medical Center
- 2012 **Marvin J. Hoffman Excellus Blue Cross / Blue Shield of Rochester Geriatric Research Award** for “A Qualitative Evaluation of a Telemedicine-Enhanced Emergency Care Program for Older Adults”
- 2011 **10 Best Papers Award** for “Ambulance personnel perceptions of near misses and adverse events in pediatric patients”, Pediatric Emergency Medicine Section, American Academy of Pediatrics
- 2010 **Best Poster**, National Association of EMS Physicians Annual Meeting for “Predicting Trauma Center Need Using the Mechanism of Injury Criteria”
- 2010 **Editor’s Choice Award**, Portal of Geriatric Online Education for Geriatric Video Podcasting
- 2009 **Harriet C. Weber EMS Leadership Award**, Monroe Livingston Regional EMS Council
- 2009 **Lloyd Leve Award for Commitment to EMS and Leadership in EMS**, Monroe Livingston Regional EMS Council
- 2009 **Poster of the Year Award**, American Academy for Home Care Physicians at the American Geriatrics Society Annual Meeting for “Home Based Screening of Rural Community Dwelling Older Adults by Emergency Medical Services and Referral to Transitional Case Management.”
- 2008 **Best Practices Award in Health System Pharmacy**, American Society of Health-System Pharmacists
- 2008 **Kluge Trauma and Emergency Services Award** to Contributors to Emergency Services
- 2008 **Program Champions Award**, US Administration on Aging for the Livingston Help for Seniors Program
- 2006 **Excellence in Education Award**, University of Rochester EMS Fellowship Program
- 2006 **Paul B. Beeson Career Development Award in Aging Research**
- 2006 **Young Investigator Award**, Society for Academic Emergency Medicine

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| 2004, 2006 | <b>Outstanding Peer Reviewer</b> , <i>Academic Emergency Medicine</i>                               |
| 2004       | <b>Fellow</b> , American College of Emergency Physicians  |
| 2003       | <b>Dennis W. Jahnigen Career Development Scholars Award</b>   |
| 2003       | <b>EMS Physician of Excellence</b> , Monroe Livingston Regional EMS Council                         |
| 1996       | <b>Excellence in Emergency Medicine Award</b> , Society for Academic Emergency Medicine             |
| 1996       | <b>Medical Education Achievement Award</b> , University of Rochester School of Medicine & Dentistry |
| 1995       | <b>Alpha Omega Alpha</b> , University of Rochester School of Medicine & Dentistry                   |
| 1992       | <b>Phi Beta Kappa</b> , The University of Chicago   |
| 1991       | <b>Howard Hughes Summer Research Fellowship</b> , The University of Chicago                         |
| 1988       | <b>National Merit Scholarship</b> , The University of Chicago                                       |

## **SERVICE ACTIVITIES**

### **DEPARTMENTAL**

|              |   |
|--------------|---|
| 2022-present | <b>Chair, Senior Leadership Team</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  |
| 2022-present | <b>Chair, Department Leadership Team</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  |
| 2016-present | <b>Director, SAEM Endorsed Research Fellowship Program</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison                          |
| 2015-2023    | <b>Chair, Promotion Oversight Committee (Tenure) for Michael Pulia, MD, MS</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison      |
| 2015-2023    | <b>Chair, Promotion Oversight Committee (Tenure) for Brian Patterson, MD, MPH</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison   |
| 2015-2022    | <b>Chair, Emergency Medicine Research Committee</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison                                 |
| 2020-present | <b>Prehospital Medicine Fellowship Program Evaluation Committee</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison                 |
| 2016-2022    | <b>Compensation Committee</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison   |
| 2015-2022    | <b>Promotion Oversight Committee for Michael Mancera, MD</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison (Chair, 2015-2018)     |
| 2018-2021    | <b>Chair, Promotion Oversight Committee for Michael Ward, MD</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison                    |
| 2015-2020    | <b>Chair, Promotion Oversight Committee (Tenure) for Michael Reppinger, MD, PhD</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison |
| 2015-2017    | <b>Chair, Promotion Oversight Committee for Michael Lohmeier, MD</b> , BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison                |
| 2012-2015    | <b>Emergency Medicine Residency Leadership Committee</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry                 |
| 2012-2015    | <b>Promotions Committee</b> , Department of Emergency Medicine, University of Rochester   |
| 2011-2015    | <b>Director, SAEM Endorsed Research Fellowship Program</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry               |
| 2004-2015    | <b>Emergency Medicine Research Committee</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry<br>• Chair, 2010-2014       |

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| 2003-2015 | <b>Core Residency Faculty</b> , Emergency Medicine Residency Program, Department of Emergency Medicine, University of Rochester                       |
| 2003-2010 | <b>Director, EMS Research</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry                              |
| 2001-2008 | <b>Residency Curriculum Committee</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry                      |
| 2006-2007 | <b>Director, Office of Prehospital Care</b> , University of Rochester School of Medicine & Dentistry  |
| 2004-2006 | <b>Emergency Department Information Services Committee</b> , Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry |

#### SCHOOL / UNIVERSITY / HOSPITAL

|              |   |
|--------------|---|
| 2023-present | <b>Advisory Committee, Adult Trauma Injury Prevention Priorities – Community Health Improvement Implementation</b> , UW Health, Madison, WI   |
| 2023-present | <b>Funds Flow Executive Committee</b> , UW Health, Madison, WI  |
| 2022-present | <b>Technology Steering Leadership Council</b> , UW Health, Madison, WI  |
| 2022-present | <b>Council of Clinical Chairs</b> , UW Health, Madison, WI  |
| 2022-present | <b>Clinical Science Department Chairs</b> , School of Medicine & Public Health, University of Wisconsin-Madison   |
| 2022-present | <b>Executive Board, Simulation and Clinical Education Center</b> , UW Health, Madison, WI   |
| 2021-2022    | <b>Member at-large, Medical Board of the University of Wisconsin Hospital and Clinics</b>   |
| 2021-present | <b>Promotion Oversight Committee for Julia Berian, MD, MS</b> , Department of Surgery, Division of Colorectal Surgery, University of Wisconsin-Madison  |
| 2021-present | <b>Promotion Oversight Committee (Tenure) for Mehreen Kisat, MBBS, PhD</b> , Department of Surgery, Division of Acute Care and Regional General Surgery   |
| 2020-2022    | <b>Advisory Committee, Madison Geriatric Research Education and Clinical Center</b> , Madison, Wisconsin  |
| 2020-2022    | <b>Promotion Oversight Committee (Tenure) for Majid Afshar, MD, MS</b> , Department of Medicine, Division of Allergy, Pulmonary and Critical Care Medicine, University of Wisconsin-Madison                                 |
| 2019-2022    | <b>Executive Committee, Surgical Oncology T32 Training Grant</b> , Department of Surgery, University of Wisconsin-Madison   |
| 2018-2022    | <b>Promotion Oversight Committee (Tenure) for Jay Ford, PhD</b> , Social & Administrative Sciences Division, School of Pharmacy, University of Wisconsin-Madison  |
| 2018-present | <b>Conflict of Interest Committee (University-Wide)</b> , University of Wisconsin-Madison   |
| 2015-2022    | <b>Institute for Clinical and Translational Research</b> , University of Wisconsin-Madison <ul style="list-style-type: none"> <li>▪ Core Directors Team, 2019-2022</li> <li>▪ Strategic Planning Committee, 2019</li> </ul> |
| 2019-2020    | <b>Search Committee, Director, Wisconsin Institute for Surgical Outcomes Research</b> , University of Wisconsin-Madison   |
| 2017-2019    | <b>Translational Research and Innovation Committee</b> , UW Health and University of Wisconsin-Madison  |
| 2017-2019    | <b>Promotion Oversight Committee (Tenure) for David Francis, MD</b> , Department of Surgery, Division of Otolaryngology, University of Wisconsin-Madison  |
| 2016-2019    | <b>Faculty Senate, Alternate Senator</b> , District 89  |
| 2016-2018    | <b>Steering Committee</b> , Building Interdisciplinary Research Careers in Women’s Health Scholars Program  |
| 2016-2017    | <b>Search Committee</b> , Chair, Department of Surgery, University of Wisconsin-Madison   |

- 2016 **Clinical Trials Task Force**, University of Wisconsin-Madison
- 2014-2015 **UR Mentor Planning Committee** (Faculty Development Program), University of Rochester
- 2014-2015 **Search Committee for the Associate Dean for Research for the School of Nursing**, University of Rochester
- 2013-2015 **Search Committee for the Chair of the Department of Public Health Sciences**, University of Rochester School of Medicine & Dentistry
- 2012-2015 **Office for Aging Research and Health Services**, University of Rochester School of Medicine & Dentistry
  - Advisory Board, 2012-2015
- 2007-2015 **Clinical and Translational Science Institute**, University of Rochester School of Medicine & Dentistry
  - Mentor, Research Education (Mentor Development) Pillar, 2014-2015
  - Administrative Committee, 2011-2015
  - Grant Reviewer, 2007-2015
- 2002-2015 **Research Faculty Advisory Committee**, Office of Medical Education, University of Rochester School of Medicine & Dentistry
  - Chair, 2008-2015
- 2004-2014 **Honor Board**, University of Rochester School of Medicine & Dentistry
  - Alternate Member, 2006-2014
  - Founding Chair, 2004-2006
- 2011-2012 **E-Record (Electronic Medical Record) Research Faculty Advisory Committee**, University of Rochester Medical Center
- 2003 **Emergency Department Observation Unit Design Committee**
- 1998-1999 **Chief Resident Committee**, The Ohio State University
- 1998-1999 **Post Graduate Medical Education Committee**, The Ohio State University
- 1992-1995 **Editor**, *Journal of the University of Rochester Medical Center*
  - Editor-in-Chief, 1995

**REGIONAL**

- 2019-present **Wisconsin Partnership Program**
  - Oversight and Advisory Committee Member, 2019-present
  - Oversight and Advisory Committee Chair, 2022-present
  - Partnership Education and Research Committee Member, 2022-present
- 2020-2022 **Mentor, Health Professions Shadowing Program**, mentee Cecilia Cardenas
- 2019-present **Board of Directors, The Isthmus Project**, Madison, WI
- 1999-present **Chair, Founder, University of Rochester Class of 1996 Community Service Award**
- 2018-2021 **Community EMS Working Group**, Wisconsin Department of Health Services
- 2014-2015 **Strategic Planning Committee**, Harley School, Rochester, NY
- 2007-2015 **Livingston County Board of Health**, Livingston County, NY
  - Vice President, 2013-2015
- 2006-2015 **Monroe-Livingston Region (NY) EMS Council**
  - Finance Committee, 2010-2015
  - Nominations, Elections, and Governance, 2010-2015
  - Associate Medical Director for Patient Safety, 2009-2015
  - Medical Director, 2006-2009
  - Electronic Medical Record Technical Assistance Group, Chair, 2006-2008
- 2006-2015 **Regional EMS Advisory Committee**, Monroe-Livingston County Region



- Chair, 2010-2015
- Patient Safety Committee, 2006-2015
  - Chair, 2009-2015
- Specialty Care Transport Committee, 2003-2015
  - Chair, 2003-2004
- 2006-2015 **Monroe County (NY) Emergency Medical Services System**
  - Deputy Medical Director, 2007-2015
  - Medical Director, 2006-2007
- 2005-2015 **Medical Director**, Livingston County (NY) Emergency Medical Services System
- 2005-2015 **Medical Director**, Livingston County EMS Agency
- 2003-2015 **Supervising Physician**, Livingston County Medical Reserve Corps
- 2003-2015 **Geneseo Fire Department Ambulance**, Geneseo, NY
  - Medical Director, 2005-2015
  - Assistant Medical Director, 2003-2005
- 2003-2015 **Livonia Ambulance District**, Livonia, NY
  - Medical Director, 2005-2015
  - Assistant Medical Director, 2003-2005
- 2001-2015 **Medical Director**, Cuylerville Volunteer Fire and Ambulance Department, Cuylerville, NY
- 2001-2015 **Medical Director**, Dansville Ambulance Company, Dansville, NY
- 2001-2015 **Medical Director**, Lima Volunteer Ambulance, Lima, NY
- 2001-2015 **Medical Director**, Nunda Ambulance Corps, Nunda, NY
- 2001-2015 **Medical Director**, York Volunteer Fire Department and Ambulance Squad, York, NY
- 2001-2015 **Medical Director**, Springwater Fire Department and Ambulance, Springwater, NY
- 2013-2014 **Livingston County Community Health Assessment Leadership Team**
- 2007-2013 **Lifespan Ethics Committee**, Rochester, NY
- 2007-2013 **Medical Director**, Genesee Valley Emergency Medical Services, Caledonia, NY
- 2006-2011 **Medical Director**, Avon Rotary Lions Ambulance, Avon, NY
- 2004-2006 **Advisory Board**, NY State Coalition on Elder Abuse
- 2001-2006 **Medical Director**, Rural/Metro Medical Services, Rochester, NY
- 1999-2000 **Co-founder, Co-chair, Young Alumni Committee** of the University of Rochester School of Medicine & Dentistry Medical Alumni Council
- 1993-1996 **Assistant Director**, Rochester Area Model United Nations, Rochester, NY

#### NATIONAL / INTERNATIONAL

- 2022-present **Diversity, Equity, and Inclusion Committee**, The Geriatric Emergency Department Collaborative
- 2021-present **Editorial Board Member**, *Journal of Geriatric Emergency Medicine*
- 2020-present **Beeson Program Advisory Committee**, American Federation of Aging Research
- 2020-2022 **External Advisory Board** for K Scholars Mentored Career Development Award (MCDA) Program, Clinical and Translational Science Institute, University at Buffalo, NY
- 2019-present **NIA Beeson Career Development Award Study Section Member (Annual Review)**
- 2019-present **External Advisory Committee**, Clinical – Scientists Transdisciplinary Aging Research Coordinating Center, American Federation for Aging Research (funded by NIH)
- 2017-present **Advisory Board Member**, Tideswell at the University of California, San Francisco / American Geriatrics Society / Association of Directors of Geriatrics Academic Programs

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| 2017-2023    | <b>Center for Clinical and Translational Science and Training External Advisory Committee,</b><br>University of Cincinnati / Cincinnati Children's Hospital Medical Center<br>▪ Chair, 2019-present |
| 2013-present | <b>Editorial Board Member,</b> <i>Journal of the American Geriatrics Society</i><br>▪ Co-Section Editor, Geriatric Emergency Medicine, 2015-2017  |
| 2006-present | <b>Editorial Board Member,</b> <i>Prehospital Emergency Care</i>  |
| 2011-present | <b>Emergency Medicine Foundation Grant Review Study Section Member</b>  |
| 2016-2022    | <b>Data and Safety Monitoring Board CTN-0069,</b> National Institute for Drug Abuse   |
| 2021         | <b>NICHD CHHD-K (Function, Integration and Rehabilitation Sciences Subcommittee, FIRS) Study Section Member</b>   |
| 2019         | <b>Session Chair, Dementia Care Research: Innovative Methods and Technologies to Improve Dementia Care,</b> Alzheimer's Association International Conference, Los Angeles, California               |
| 2007-2019    | <b>Decision Editor / Editorial Board Member</b> <i>Academic Emergency Medicine</i>  |
| 2017         | <b>Reviewer,</b> University of Michigan Claude Pepper Older Americans Independence Center Grants  |
| 2014-2016    | <b>NIA Beeson Career Development Award Study Section Member (Annual Review)</b>   |
| 2005-2015    | <b>Society for Academic Emergency Medicine Foundation Grant Review Study Section Member</b>   |
| 2010-2014    | <b>AHRQ Health Care Research Training Study Section Permanent Member</b>  |
| 2012-2013    | <b>National Quality Forum,</b> Regional Emergency Medical Care Services: Emergency Department Crowding and Boarding, Healthcare System Preparedness and Surge Capacity Expert Panel                 |
| 2012-2013    | <b>AHRQ ZHS1 HSR-A (01) K18 Special Emphasis Panel Study Section Member</b>   |
| 2011-2013    | <b>NIH GEMSSTAR Special Review Panel Member (Annual Review)</b>   |
| 2012         | <b>External Reviewer,</b> University of Michigan Geriatrics Center Pilot Feasibility Grant Program  |
| 2010         | <b>AHRQ ZHS1 HSR-A (03) R24 Special Emphasis Panel Member</b>   |
| 2010         | <b>AHRQ ZHS1 HSR-A (04) PROSPECT Special Emphasis Panel Member</b>  |
| 2001-2010    | <b>National Annual Meeting Abstract Reviewer,</b> National Association of EMS Physicians  |
| 2009         | <b>NIH Adult Psychopathology and Disorders of Aging Study Section Member</b>  |
| 2009         | <b>NIH RC1 Challenge Grant Review Member</b>  |
| 2009         | <b>External Reviewer,</b> University of Alabama-Birmingham Clinical Nutrition Research Center Pilot Grant   |
| 2003-2009    | <b>Site Reviewer,</b> Commission on Accreditation of Ambulance Services   |
| 2007-2008    | <b>Beeson Career Development Award Annual Meeting Program Committee,</b> American Federation of Aging Research  |
| 2006         | <b>AHRQ U18 Special Emphasis Panel Member</b>   |
| 2006         | <b>External Reviewer,</b> Health Research Board (Ireland)   |
| 2003-2005    | <b>International Interdisciplinary Conference of Emergencies Planning Committee,</b> Montreal, Quebec   |

## **INVITED PRESENTATIONS, GRAND ROUNDS, AND VISITING PROFESSORSHIPS**

### **LOCAL**

1. "Caring for Persons Living with Dementia: Supporting the Patient Journey Across the Care Continuum." Initiative to End Alzheimer's Board of Visitors Meeting. Madison, WI, 2023. Audience: Community
2. "The Geriatric Emergency Department: A New Model of Care." Rotary Club of Milwaukee North Shore. Milwaukee, WI, 2021. Audience: Community.

3. “Developing a Career in Medicine, Public Health, and Research.” Community Health Volunteers of Madison. Madison, WI 2019. Audience: Students.

#### STATE / REGIONAL

1. “Emergency Medicine Leadership Panel” ACHE-WI Leadership Development Program. Madison, WI. 2023. Audience: ACHE Leadership Development Program students.
2. “Effects of a Community Paramedic-Delivered Care Transitions Intervention” Madison Fire Department. Madison, WI, 2022. Audience: Community.
3. “WIHSE and COVID-19: Interdisciplinary research collaborations” Wisconsin Institute for Healthcare Systems Engineering Annual Conference. Madison, WI, 2021. Audience: Researchers.
4. “EMS and the Geriatric Patient.” Madison Fire Department Education Day. Madison, WI, 2021. Audience: EMS Providers, EMS Physicians.
5. “Telemedicine for the Emergency Provider: What You Need to Know.” Wisconsin American College of Emergency Physicians Annual Meeting. Madison, WI, 2018. Audience: Emergency Care Providers.
6. “Perspectives on Interdisciplinary Collaboration.” Wisconsin Institute for Healthcare Systems Engineering Inaugural Conference. Madison, WI, 2017. Audience: Researchers.
7. “Operationalizing Telehealth During the Transition to ACO—A Panel Discussion.” Rochester Telemedicine Consortium. Rochester, NY, 2014. Audience: Community.
8. “EMS and the Geriatric Patient.” Finger Lakes Region EMS Conference. Canandaigua, NY, 2008. Audience: EMS Providers, EMS Physicians.
9. “Connecting At-Risk Rural Older Adults with Needed Services Through EMS Screening and Transitional Case Management.” New York State Society on Aging. Rochester, NY, 2008. Audience: Community aging services agency members.
10. “Specialty Care Transport.” Society for Total Emergency Programs. Rochester, NY, 2005. Audience: EMS Providers.
11. “Latest in EMS Research 2005.” Society for Total Emergency Programs. Rochester, NY, 2005. Audience: EMS Providers.
12. “Latest in EMS Research 2004.” Society for Total Emergency Programs. Rochester, NY, 2004. Audience: EMS Providers.
13. “The Rural EMS System: A New York State Emergency.” New York State Association for Rural Health Conference. Albany, NY, 2004. Audience: Rural health leaders, EMS Leaders.
14. “Effects of Physician Experience on Costs and Outcomes.” Society of Hospitalist Medicine, Rochester Chapter. Rochester, NY, 2003. Audience: Physicians.

#### NATIONAL / INTERNATIONAL

1. “Discharge from the Emergency Department: Transition to No Where?” Emergency Medicine Grand Rounds, Washington University in St. Louis, Department of Emergency Medicine. 2023. Audience: Faculty, Fellows, Residents, Students.
2. “Transition to the Role of Junior Faculty / Attendings.” Washington University in St. Louis, Department of Emergency Medicine. 2023. Audience: PGY-4 Residents.
3. “The Emergency Medical Services System: Helping Persons Living with Dementia Age in Place.” National Academies of Sciences, Engineering, and Medicine, Committee on Population, Board on Behavioral, Cognitive, and Sensory Sciences Workshop on Aging in Place with Dementia. Virtual. September 13-15, 2023.
4. “Developing an Independently Funded Emergency Medicine Researcher.” Society for Academic Emergency Medicine Research Learning Series. Online. 2023. Audience: Society for Academic Emergency Medicine Membership.

5. "Cocktails with the Chairs." Society for Academic Emergency Medicine Annual Meeting. Austin, TX. 2023. Audience: Medical Students, Residents, Fellows, Faculty.
6. "Strategies to Achieve 2030 Emergency Medicine Research Goals." Association of Academic Chairs of Emergency Medicine Annual Meeting. Dana Point, CA. 2023. Audience: Department Chairs and Vice Chairs.
7. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD. 2023. Audience: Faculty, Fellows, Residents, Students.
8. "The EMS System: What You Must Know, How We Got Here, and How You Can Participate." Department of Surgery Grand Rounds. Madison, WI. 2022. Audience: Faculty, Fellows, Residents, Students.
9. "Geriatric Emergency Care Applied Research Network: Advancing Dementia Care Network Priorities (AGEM Sponsored)." Society of Academic Emergency Medicine Annual Conference. New Orleans, LA. 2022. Audience: Faculty, Fellows, Residents, Students.
10. "Lion's Den 2022: Ninth Annual Real-world Research Proposal Development." Society for Academic Emergency Medicine Annual Conference. New Orleans, LA. 2022. Audience: Researchers
11. "Discharge from the Emergency Department: Transition to No Where?". Geriatric Medicine Grand Rounds, University of Rochester School of Medicine and Dentistry. Virtual. 2022. Audience: Faculty.
12. "Research: Yes? No? How Much?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. San Juan, PR. 2022. Audience: Faculty.
13. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Virtual. 2022. Audience: Faculty, Fellows, Residents, Students.
14. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Virtual. 2022. Audience: Faculty, Fellows, Residents, Students.
15. "Research: Yes? No? How Much?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. Virtual. 2021. Audience: Faculty.
16. "Lion's Den 2021: Eighth Annual Real-world Research Proposal Development." Society for Academic Emergency Medicine Annual Conference. Virtual. 2021. Audience: Researchers
17. "Career Development Panel for Experienced (>4 years) Faculty" Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Virtual. 2021. Audience: Faculty
18. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Virtual. 2021. Audience: Faculty, Fellows, Residents, Students.
19. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Virtual. 2021. Audience: Faculty, Fellows, Residents, Students.
20. "Research—Yes? No? How Much?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. Virtual. 2020. Audience: Faculty.
21. "Prehospital Opportunities." The Geriatric Emergency Department Collaborative (GEDC) Transforming Dementia Care in San Francisco EDs Virtual Booster Conference. 2020. Audience: Faculty.
22. "Emergency Care Research with Older Adults: Recruitment Strategies." Society for Academic Emergency Medicine Research Learning Series. Webinar, 2020. Audience: Open Access.
23. "Critical Topics for the Mid-Career Researcher." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2020. Audience: Faculty, Fellows.
24. "Career Development Panel for Experienced (>4 years) Faculty" Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2020. Audience: Faculty
25. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2020. Audience: Faculty, Fellows, Residents, Students.

26. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2020. Audience: Faculty, Fellows, Residents, Students.
27. "Critical Topics for the Mid-Career Researcher." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows.
28. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows, Residents, Students.
29. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows, Residents, Students.
30. "Research—Yes? No? How Much?". American College of Emergency Physicians Scientific Assembly. 2019. Audience: Faculty.
31. "Cognitive Trajectories After Acute Illness Care." University of Calgary (Canada) Department of Critical Care Lunch and Learn. Calgary, Alberta, Canada, 2019. Audience: Fellows.
32. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care for Older Adults." University of Calgary (Canada) Emergency Medicine Residency Visiting Professor. Calgary, Alberta, Canada, 2019. Audience: Faculty, Fellows, Residents, Students.
33. "High Intensity Telemedicine Reduces Emergency Department Use By Older Adults with Dementia in Senior Living Communities." Alzheimer's Association International Conference. Los Angeles, CA, 2019. Audience: Dementia researchers and clinicians.
34. "Inclusion Across the Lifespan: The New NIH Policy." Academy for Geriatric Emergency Medicine / Society for Academic Emergency Medicine Annual Meeting. Las Vegas, NV, 2019. Audience: Faculty, Fellows, Residents, Medical Students.
35. "Research Career Mentoring Over the Academic Life Cycle." Society for Academic Emergency Medicine Annual Meeting. Las Vegas, NV, 2019. Audience: Faculty, Fellows, Residents, Medical Students.
36. "Going for the Gold: Tips for Moving from Early Career Investigator to the R01." Society for Academic Emergency Medicine Annual Meeting. Las Vegas, NV, 2019. Audience: Faculty, Fellows.
37. "Critical Topics for the Mid-Career Researcher." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows.
38. "Career Development Panel for Experienced (>4 years) Faculty" Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty
39. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows, Residents, Students.
40. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows, Residents, Students.
41. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2019. Audience: Faculty, Fellows, Residents, Students.
42. "Research: Why Do I Want it? What Do I Want? How Do I Get it?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. San Diego, CA, 2018. Audience: Faculty.
43. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." Wisconsin Institute for Surgical Outcomes Research, University of Wisconsin. Madison, WI, 2018. Audience: Faculty, Fellows, Residents, Students.

44. "Research: Why Do I Want it? What Do I Want? How Do I Get it?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. Chicago, IL, 2018. Audience: Faculty.
45. "Critical Topics for the Mid-Career Researcher." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2018. Audience: Faculty, Fellows.
46. "Career Development Panel for Experienced (>4 years) Faculty" Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2018. Audience: Faculty
47. "Consultancy Session: Career & Management Challenges." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2018. Audience: Faculty, Fellows, Residents, Students.
48. "Developing a Research Career: Asking the Hard Questions, Searching for the Answers." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2018. Audience: Faculty, Fellows, Residents, Students.
49. "Acute Illness Care in Patients with Dementia: Telemedicine and Community Paramedicine." Second University of Wisconsin-Madison / DZNE Workshop. Bonn, Germany, 2017. Audience: Faculty.
50. "Critical Early Career Decisions: The Good, the Bad, and the Ugly." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2017. Audience: Faculty, Fellows, Residents, Students.
51. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." University of Wisconsin-Madison, Division of Geriatrics and Gerontology. Madison, WI, 2017. Audience: Faculty, Fellows, Residents, Students.
52. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." New York Presbyterian Hospital / Weill Medical College of Cornell University, Department of Emergency Medicine. New York, NY, 2017. Audience: Faculty, Fellows, Residents, Students.
53. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." University of Wisconsin-Madison, Department of Population Health Sciences. Madison, WI, 2016. Audience: Faculty, Fellows, Residents, Students.
54. "Critical Early Career Decisions: The Good, the Bad, and the Ugly." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Bethesda, MD, 2016. Audience: Faculty, Fellows, Residents, Students.
55. "Navigating the Academic Ranks: Mentorship from Leaders in Academic Emergency Medicine." Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA, 2016. Audience: Faculty, Fellows, Residents, Students.
56. "Research: Why Do I Want it? What Do I Want? How Do I Get it?". Association of the Academic Chairs of Emergency Medicine Chair Development Program. Las Vegas, NV, 2016. Audience: Faculty.
57. "Critical Early Career Decisions: The Good, the Bad, and the Ugly." Emergency Medicine Foundation / Society for Academic Emergency Medicine Foundation Grantee Workshop. Dallas, TX, 2015. Audience: Faculty, Fellows, Residents, Students.
58. "Developing the Evidence Base for Medicine in 2020: Focus on Virtual Care." Society for Academic Emergency Medicine Annual Meeting. San Diego, CA, 2015. Audience: Faculty, Fellows, Residents, Students.
59. "Speed Share Panel." Office of Disease Prevention and Health Promotion: Healthy Aging Summit. Washington, D.C., 2015. Audience: Physicians, Paramedics, Nurses, Administrators.
60. "Health and Health Care: Patient Centered Models." Office of Disease Prevention and Health Promotion: Healthy Aging Summit. Washington, D.C., 2015. Audience: Physicians, Paramedics, Nurses, Administrators.
61. "EMS-Based Community Health Programs: We Can Do It and We Must Do It!" EMS Expo. Nashville, TN, 2014. Audience: Physicians, Paramedics, Nurses.

62. "Prehospital Management of Geriatric Trauma." World Trauma Symposium. Nashville, TN, 2014. Audience: Physicians, Paramedics, Nurses.
63. "Developing a 'Research' Career: Asking the Hard Questions, Searching for the Answers." University of Pittsburgh Medical Center, Department of Emergency Medicine K12 Program Seminar. Pittsburgh, PA, 2014. Audience: Faculty, Fellows, Residents, Students.
64. "Special Considerations in the Care of the Older Patient." Albany Medical Center, Department of Emergency Medicine Grand Rounds. Albany, NY, 2014. Audience: Faculty, Fellows, Residents, Students.
65. "Developing a Research Career." University of Wisconsin, Department of Emergency Medicine. Madison, WI, 2014. Audience: Faculty, Fellows, Residents, Students.
66. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." University of Pittsburgh Medical Center, Department of Emergency Medicine. Pittsburgh, PA, 2014. Audience: Faculty, Fellows, Residents, Students.
67. "High Intensity Telemedicine: A Novel Approach to Providing Acute Care." University of Wisconsin, Department of Emergency Medicine. Madison, WI, 2014. Audience: Faculty, Fellows, Residents, Students.
68. "Telemedicine: A Novel Approach to Providing Acute Care." University of Maryland, Department of Epidemiology Research Seminary Series. Baltimore, MD, 2014. Audience: Faculty, Fellows, Residents, Students.
69. "Telemedicine: A Novel Approach to Providing Acute Care." Albany Medical Center, Department of Emergency Medicine Grand Rounds. Albany, NY, 2014. Audience: Faculty, Fellows, Residents, Students.
70. "The Geriatric Emergency Patient: Special Care Considerations." Apollo Hospitals, Department of Emergency Medicine Grand Rounds. Hyderabad, India, 2013. Audience: Faculty, Fellows, Residents.
71. "Telemedicine: A Novel Approach to Providing Acute Care." University of Massachusetts Medical Center, Department of Emergency Medicine Grand Rounds. Worcester, MA, 2013. Audience: Faculty, Fellows, Residents, Students.
72. "From Research to Policy: Opportunity for Change." The Ohio State University, Department of Emergency Medicine, Spring Research Day. Columbus, OH, 2013. Audience: Faculty, Fellows, Residents, Students.
73. "Telemedicine: A Novel Approach to Providing Acute Care." Baycrest Health Sciences Centre for Geriatric Care, University of Toronto, Visiting Professor Lecture Series, Toronto, Canada. 2013. Audience: Faculty, Fellows, Residents, Para-professionals, Students.
74. "Career Development and Career Development Awards." Society for Academic Emergency Medicine Annual Meeting. Atlanta, GA, 2013. Audience: Faculty, Fellows, Residents, Students.
75. "Older Adults and Emergency Care: Case Finding to Improve Health Trajectories." University of Rochester School of Medicine & Dentistry, Department of Public Health Sciences. Rochester, NY, 2012. Audience: Faculty, Fellows, Residents, Students.
76. "Emergency Care, Depression & Cognition: A Signal for Older Adults' Health Trajectories?" University of Rochester, Department of Medicine, Division of Geriatrics / Aging Grand Rounds. Rochester, NY, 2012. Audience: Faculty, Fellows, Residents, Students.
77. "Emergency Care, Depression & Cognition: A Signal for Older Adults' Health Trajectories?" University of Chicago, Department of Health Studies Seminar. Chicago, IL, 2012. Audience: Faculty, Fellows, Students.
78. "Telemedicine: A Novel Approach to Providing Emergency Care for Older Adults." University of Chicago, Section of Emergency Medicine Grand Rounds. Chicago, IL, 2012. Audience: Faculty, Fellows, Residents, Students.

79. "Perspective on Multidisciplinary ED Care and Transitions for Older Adults." Catholic Health Partners Care Coordination Collaborative. Cincinnati, OH, 2012. Audience: Nurses, social workers, administrators.
80. "Career Development and Career Development Awards." Society for Academic Emergency Medicine Annual Meeting. Chicago, IL, 2012. Audience: Faculty, Fellows, Residents, Students.
81. "Comparative Effectiveness Research - Opportunities for the EMS Community." National Association of EMS Physicians Annual Meeting. Tucson, AZ, 2012. Audience: Faculty, Fellows, Residents, Students.
82. "Challenges in Prehospital Medicine: A Historical Perspective." University of Rochester, Department of Emergency Medicine Grand Rounds. Rochester, NY, 2011. Audience: Faculty, Fellows, Residents, Students.
83. "Emergency Medicine, Public Health, and Older Adults." Paul Beeson Career Development Award Annual Meeting. Asheville, NC, 2010. Audience: Faculty physician-scientists and PhD scientists.
84. "Research Collaborations on Older Patients with Emergency Conditions." American Geriatrics Society Annual Meeting. Orlando, FL, 2010. Audience: Faculty, Fellows, Residents, Students.
85. "Career Development and Career Development Awards." Society for Academic Emergency Medicine Annual Meeting. Phoenix, AZ, 2010. Audience: Faculty, Fellows, Residents, Students.
86. "What is a Grant? Where Should I Start?." Pediatric Emergency Care Research Workshop. Phoenix, AZ, 2010. Audience: EMS Physicians, Fellows, Residents.
87. "Implementation: Working With EMS." Pediatric Emergency Care Research Workshop. Phoenix, AZ, 2010. Audience: EMS Physicians, Fellows, Residents.
88. "Presenting and Publishing Your Work." Pediatric Emergency Care Research Workshop. Phoenix, AZ, 2010. Audience: EMS Physicians, Fellows, Residents.
89. "When Icebergs Collide: Emergency Care and the Unmet Needs of Older Adults." Yale University, Department of Emergency Medicine Grand Rounds. New Haven, CT, 2009. Audience: Faculty, Fellows, Residents, Students.
90. "Screening Older Adults During Emergency Care: Time to Think Outside the Box?" Yale University Geriatrics Grand Rounds. New Haven, CT, 2009. Audience: Faculty, Fellows, Residents, Students.
91. "Research, Regulation, Policy, and the Community." Yale University Robert Wood Johnson Clinical Scholars Program. New Haven, CT, 2009. Audience: Post-doctoral fellows.
92. "Screening Older Adults During Emergency Care: Time to Think Outside the Box?" University of Wisconsin, Department of Medicine, Division of Geriatrics / VA GRECC Grand Rounds. Madison, WI, 2009. Audience: Faculty, Fellows, Residents, Students.
93. "Screening Older Adults During Emergency Care: Time to Think Outside the Box?" Indiana University Department of Emergency Medicine Grand Rounds. Indianapolis, IN, 2009. Audience: Faculty, Fellows, Residents, Students.
94. "Screening Older Adults During Emergency Care: Time to Think Outside the Box?" Indiana University Center for Aging Research / Regenstrief Institute Seminar. Indianapolis, IN, 2009. Audience: Faculty, Fellows, Residents, Students.
95. "When Icebergs Collide: Emergency Care and the Unmet Needs of Older Adults." Emory University, Department of Emergency Medicine Grand Rounds. Atlanta, GA, 2009. Audience: Faculty, Fellows, Residents, Students.
96. "Screening Older Adults During Emergency Care: Time to Think Outside the Box?" University of Michigan Geriatrics Center Special Seminar. Ann Arbor, MI, 2009. Audience: Faculty, Fellows, Residents, Students.
97. "Challenges in Prehospital Medicine: A Historical Perspective." University of Michigan, Department of Emergency Medicine Grand Rounds. Ann Arbor, MI, 2009. Audience: Faculty, Fellows, Residents, Students.



98. "When Icebergs Collide: Emergency Care and the Unmet Needs of Older Adults." University of Michigan, Department of Emergency Medicine Grand Rounds. Ann Arbor, MI, 2009. Audience: Faculty, Fellows, Residents, Students.
99. "Finding a Mentor." Pediatric Emergency Care Research Workshop. Jacksonville, FL, 2009. Audience: EMS Physicians, Fellows, Residents.
100. "Implementation: Working With EMS." Pediatric Emergency Care Research Workshop. Jacksonville, FL, 2009. Audience: EMS Physicians, Fellows, Residents.
101. "Designing a Study." Pediatric Emergency Care Research Workshop. Jacksonville, FL, 2009. Audience: EMS Physicians, Fellows, Residents.
102. "Career Development and Career Development Awards." Society for Academic Emergency Medicine Annual Meeting. New Orleans, LA, 2009. Audience: Faculty, Fellows, Residents, Students.
103. "Quality Grand Rounds: Interface Between the Nursing Facility and the Emergency Department." Community-Wide Geriatric Medicine Grand Rounds, University of Rochester Medical Center. Rochester, NY, 2008. Audience: Faculty, Fellows, Residents, Students.
104. "Key Components of a K-Award." Society for Academic Emergency Medicine Annual Meeting. Washington, DC, 2008. Audience: Faculty, Fellows, Residents, Students.
105. "Developing a Health Policy Research Agenda: Prehospital Health Policy Research." Society for Academic Emergency Medicine Annual Meeting. Washington, DC, 2008. Audience: Faculty, Fellows, Residents, Students.
106. "Acute Abdominal Pain: A Diagnostic Dilemma, session moderator." American Geriatrics Society Annual Meeting. Washington, DC, 2008. Audience: Physicians, Fellows, Residents, Students.
107. "State of the Art: EMS Care of the Older Adult." National Association of EMS Physicians Annual Meeting. Phoenix, AZ, 2008. Audience: EMS Providers, Physicians, Fellows, Residents, Students.
108. "Challenges Resulting from the Development of the EMS System." Oregon EMS-C Annual Conference, Keynote Speaker. Seaside, Oregon, 2007. Audience: EMS leaders, Government officials.
109. "Integration of EMS into the System of Care for Children." Oregon EMS-C Annual Conference. Seaside, Oregon, 2007. Audience: EMS leaders, Government officials.
110. "Integrating Emergency Medicine into the System of Care for Older Adults." Pennsylvania State University, Department of Emergency Medicine Grand Rounds. Hershey, PA, 2007. Audience: Faculty, Fellows, Residents, Students.
111. "Training Grants: Creating a Solid Development Plan." Society for Academic Emergency Medicine Annual Meeting. Chicago, IL, 2007. Audience: Faculty, Fellows, Residents, Students.
112. "Evaluating the Diagnostic Test." Pediatric Emergency Care Research Workshop. Naples, FL, 2007. Audience: EMS Physicians, Fellows, Residents.
113. "Maximizing the Chances of Publishing Your Work." National Association of EMS Physicians Annual Meeting. Naples, FL, 2007. Audience: EMS Providers, Physicians, Fellows, Residents, Students.
114. "Emergency Departments and the Circle of Care." Regional Geriatric Program of Toronto / Sunnybrook Health Sciences Centre. Toronto, Canada, 2007. Audience: Physicians, Nurses, Social Workers.
115. "Geriatric Training for Emergency Medicine Physicians-in-Training: Education Materials and Resources (moderator and presenter)." Society for Academic Emergency Medicine Annual Meeting. San Francisco, CA, 2006. Audience: Faculty, Fellows, Residents, Students.
116. "Emergency Medical Services as a Resource to Identify and Address Unmet Needs." International Interdisciplinary Conference on Emergencies. Montreal, Canada, 2005. Audience: Physicians, Nurses, Social Workers.
117. "What We Need to do in EMS to Improve Survival: Intubation and Rapid Sequence Intubation." International Interdisciplinary Conference on Emergencies. Montreal, Canada, 2005. Audience: Physicians, Nurses, Social Workers.
118. "Geriatric Think Tank and Round Table." International Interdisciplinary Conference on Emergencies. Montreal, Canada, 2005. Audience: Physicians, Nurses, Social Workers.

119. "Emergency Medical Services as a Resource to Identify and Address Unmet Needs." University of Alabama-Birmingham, Center for Aging, Division of Gerontology and Geriatric Medicine, and Birmingham/Atlanta VA Geriatric Research Education and Clinical Center Grand Rounds. Birmingham, AL, 2005. Audience: Faculty, Fellows, Residents, Students, Residents.
120. "An Analysis of the Forces Affecting the Formation of the EMS System." University of Alabama-Birmingham, Department of Emergency Medicine Grand Rounds. Birmingham, AL, 2005. Audience: Students, Residents, Faculty.
121. "Evaluating the Diagnostic Test." Pediatric Emergency Care Research Workshop. Naples, FL, 2005. Audience: EMS Physicians, Fellows, Residents.
122. "Testing the Test." Pediatric Emergency Care Research Workshop. Tucson, AZ, 2004. Audience: EMS Physicians, Fellows, Residents.
123. "Successful Grantsmanship Skills." National Association of EMS Physicians Annual Meeting. Tucson, AZ, 2004. Audience: EMS Providers, Physicians, Fellows, Residents, Students.
124. "Salvaging the Circular File." National Association of EMS Physicians Annual Meeting. Tucson, AZ, 2004. Audience: EMS Providers, Physicians, Fellows, Residents, Students.
125. "Variation of Accessing ED Care Among the Elderly." The University of Chicago Section of Emergency Medicine Grand Rounds. Chicago, IL, 2000. Audience: Faculty, Fellows, Residents, Students.

**EDUCATIONAL ACTIVITIES & PRESENTATIONS****CLASSROOM TEACHING**

| <b>Years</b>            | <b>Description</b>  | <b>Role</b>                     | <b>Trainee</b>         | <b>Time (per year)</b>     |
|-------------------------|---|---------------------------------|------------------------|----------------------------|
| 2023                    | Physician Leadership Development Program: Lunch with a Chair                                    | Small group discussion          | Faculty                | 1 hour                     |
| 2022-2023               | Department Chair Hour   | Small group discussant          | Residents              | 3 hours                    |
| 2022                    | The Mid Career Development Award  | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2022                    | Emergency Medicine 699-Independent Research Study   | Faculty                         | Undergraduate student  | 1 semester, 2 hours credit |
| 2021                    | Biology 152/699—Directed Study Course   | Faculty                         | Undergraduate student  | 1 semester, 2 hours credit |
| 2021                    | Finding the Perfect Job   | Lecturer                        | T32 Fellows            | 1 hour                     |
| 2020                    | COVID-19: A Pandemic's Effect on Life and Career  | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2020, 2022<br>2016-2018 | Building a Post-K Transitional Plan   | Consultancy moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2019-2021               | Developing Budgets for Grant Submissions  | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2018-2021               | Peer Review Process   | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2017-2021               | Introduction to ICTR Resources and New Mentored Research Scholars                               | Lecturer                        | K/KL2 Scholars         | 2 hours                    |
| 2016-2020               | Lightning Research Presentations  | Small group moderator           | K/KL2 Scholars         | 2 hours                    |
| 2019                    | Department of Family Medicine and Community Health Rural Health Equity Track Workshop: Advocacy | Panelist                        | Residents              | 1 hour                     |
| 2019                    | Transformational Leadership II & ICDPs  | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |
| 2015-2021               | Finding a Mentor  | Small group presentation        | Medical students       | 1 hour                     |
| 2017-2018               | Intern Preparation Course: Thinking Ahead-Life After Residency                                  | Small group discussant          | Medical students       | 1 hour                     |
| 2018<br>2016            | 699: Introduction to Emergency Medicine Public Health Research                                  | Course director, discussant     | Undergraduate students | 1 semester, 3 hours credit |
| 2016-2018               | How to Optimize Your Career Development Award Years   | Small group moderator, panelist | K/KL2 Scholars         | 2 hours                    |

|                   |  |                        |                        |                            |
|-------------------|--|------------------------|------------------------|----------------------------|
| 2016-2018         | Individualized Career Development Plans: Annual Review                                 | Small group moderator  | K/KL2 Scholars         | 2 hours                    |
| 2017              | Developing, Leading, and Managing Your New Research Team: Concepts and Practical Steps | Panelist               | K/KL2 Scholars         | 2 hours                    |
| 2017              | Rigor and Reproducibility  | Small group moderator  | K/KL2 Scholars         | 2 Hours                    |
| 2015-2017         | Finding the Perfect Job  | Small group discussant | Residents              | 1 hour                     |
| 2016              | Caring for the Older Adult Patient   | Small group discussant | Paramedic students     | 2 hours                    |
| 2016              | Funding Strategies for the New Career Development Award Scholar                        | Panelist               | K/KL2 Scholars         | 2 hours                    |
| 2016              | ISyE 417: Introduction to Health Systems Engineering-Health Systems Tour               | Small group discussant | Undergraduate students | 2 hours                    |
| 2015              | Maximizing the Chances of Publishing Your Work   | Small group discussant | Residents              | 1 hour                     |
| 2001-2015         | Introduction to Professional Development   | Small group leader     | Medical students       | 6 hours                    |
| 2009-2014         | Society for Academic Emergency Medicine Intensive Grant Writing Workshop               | Faculty, lecturer      | Faculty physicians     | 8 hours                    |
| 2005-2013         | Finding the Perfect Job  | Small group leader     | Geriatrics fellows     | 1.5 hours                  |
| 2012              | Recruitment and Retention of Human Subjects into Clinical Research                     | Lecturer               | Graduate students      | 1 hour                     |
| 2011-2012         | Introduction to Public Health Research in Emergency Medicine—Independent study course  | Director / Developer   | Undergraduate students | 1 semester, 3 hours credit |
| 2004-2010         | Pediatric Emergency Care Research Workshop   | Faculty, lecturer      | Faculty, fellows       | 16 hours                   |
| 2009              | Presenting and Publishing Your Research  | Lecturer               | Residents, fellows     | 1 hour                     |
| 2009<br>2002-2007 | Mastering Medical Information  | Small group leader     | Medical students       | 15 hours                   |
| 2008              | Resident Research: Part 1  | Lecturer               | Residents, fellows     | 1 hour                     |
| 2004-2007         | EMS Research   | Individual discussion  | Residents, fellows     | 6 hours                    |
| 2006              | Maximizing the Chance of Publication   | Small group leader     | Pediatric EM fellows   | 1 hour                     |
| 2005              | Career Development   | Small group leader     | Pediatric EM fellows   | 2 hours                    |
| 2004-2005         | An Analysis of the Forces Affecting the Formation of the EMS System                    | Lecturer               | Graduate students      | 1 hour                     |
| 2004              | Developing a Study Idea and Finding a Mentor   | Lecturer               | Residents, fellows     | 1 hour                     |
| 2004              | Testing a Test   | Lecturer               | Residents, fellows     | 1 hour                     |

|           |   |                             |                        |                            |
|-----------|---|-----------------------------|------------------------|----------------------------|
| 2003      | Career Counseling Session—Emergency Medicine                            | Small group leader          | Medical students       | 2 hours                    |
| 2003      | Finding the Perfect Job   | Small group leader          | Resident, fellows      | 1 hour                     |
| 2002      | Fundamentals of Clinical Research                                       | Discussion leader, lecturer | Undergraduate students | 8 hours                    |
| 2001-2002 | Health Services Research in Emergency Medicine—independent study course | Director / Developer        | Undergraduate students | 1 semester, 3 hours credit |

**CLINICAL TEACHING**

| <b>Years</b> | <b>Course / Description</b>                                  | <b>Role</b>                  | <b>Trainee</b>              | <b>Time (per year)</b>     |
|--------------|--|------------------------------|-----------------------------|----------------------------|
| 2015-present | Clinical supervision & teaching (University of Wisconsin)    | Attending physician          | Medical students            | During all clinical duties |
| 2015-present | Clinical supervision & teaching (University of Wisconsin)    | Attending physician          | Residents                   | During all clinical duties |
| 2021-22      | Foundation of Emergency Medicine                             | Faculty                      | Residents, Medical Students | 1 hour                     |
| 2020-present | Foundations: The Geriatric Patient                           | Faculty                      | Residents                   | 1 hour                     |
| 2020         | Journal Club: Ultrasound                                     | Faculty                      | Residents                   | 1.5 hours                  |
| 2020         | Journal Club: EMS  | Faculty                      | Residents                   | 1.5 hours                  |
| 2019         | Journal Club: Cardiology                                     | Leader                       | Residents                   | 2.5 hours                  |
| 2018         | Journal Club: BNP  | Faculty                      | Residents                   | 2.5 hours                  |
| 2018         | Journal Club: Geriatric Emergency Medicine                   | Co-Leader                    | Residents                   | 2.5 hours                  |
| 2018         | Journal Club: EMS  | Faculty                      | Residents                   | 2.5 hours                  |
| 2017         | Journal Club: Intravenous Contrast and Kidney Injury         | Faculty                      | Residents                   | 2.5 hours                  |
| 2016         | Journal Club: Treatment for Sepsis                           | Co-Leader                    | Residents                   | 2 hours                    |
| 2016         | Journal Club: Treatment for Unstable Ventricular Dysrhythmia | Co-Leader                    | Residents                   | 2.5 hours                  |
| 2016         | Journal Club: Trauma Radiography                             | Faculty                      | Residents                   | 2.5 hours                  |
| 2015         | Journal Club: The Cost of Emergency Health Care              | Faculty                      | Residents                   | 2.5 hours                  |
| 2015         | Journal Club: Endovascular Interventions for Stroke          | Co-leader                    | Residents                   | 2.5 hours                  |
| 2015         | Career Decisions in Emergency Medicine                       | Panelist                     | Residents                   | 1 hour                     |
| 2012, 2015   | Research, Public Health, and Medical-Legal Matters           | Lecturer                     | EMS trainees                | 3 hours                    |
| 2012-2015    | Geriatrics   | Lecturer                     | EMS trainees                | 3 hours                    |
| 2007-2015    | Should They Refuse   | Lecturer                     | EMS providers               | Variable hours             |
| 2001-2015    | Advanced Cardiac Life Support                                | Lecturer, small group leader | Physicians                  | 8 hours                    |
| 2001-2015    | Clinical supervision & teaching (University of Rochester)    | Attending physician          | Medical students            | During all clinical duties |
| 2001-2015    | Clinical supervision & teaching (University of Rochester)    | Attending physician          | Residents, fellows          | During all clinical duties |
| 2001-2015    | University of Rochester clinical teaching                    | Attending physician          | Paramedic students          | Approximately 80 hours     |
| 2001-2015    | University of Rochester Emergency Medicine Journal Club      | Faculty participant          | Residents, medical students | Variable                   |
| 2001-2015    | EMS Case Conferences   | Small group leader           | EMS providers               | Variable                   |

|            |  |                            |                           |                            |
|------------|--|----------------------------|---------------------------|----------------------------|
| 2013       | Special Considerations: Geriatrics Cases                                   | Small group leader         | EMS providers             | 1.5 hours                  |
| 2013       | Rational Pharmacological Choices in the Care of the Critically Ill Patient | Simulation leader          | Residents                 | 5 hours                    |
| 2008-2013  | Morbidity and Mortality Conference   | Faculty participant        | Residents, faculty        | Variable                   |
| 2008-2013  | EMS Rotation Wrap-up   | Individual discussion      | Residents, fellows        | 6 hours                    |
| 2005-2013  | Geriatrics Education for EMS Teaching                                      | Medical director, lecturer | EMS providers             | Variable                   |
| 2012       | Trauma in the Geriatric Patient  | Lecturer                   | Residents, fellows        | 1 hour                     |
| 2012       | Fire, EMS, and Medicine Day  | Small group leader         | Residents, fellows        | 6 hours                    |
| 2012       | ALS Interventions to Help Patients After ALS Care                          | Small group leader         | EMS providers             | 2 hours                    |
| 2012       | Special Considerations in the Care of the Older Patient                    | Lecturer                   | Residents, fellows        | 1 hour                     |
| 2011-2012  | The Not-So-Common Airway   | Lecturer                   | EMS providers             | 1.5 hours                  |
| 2006, 2012 | Introduction to EMS  | Individual discussion      | Residents                 | 6 hours                    |
| 2011       | Trauma Management  | Lecturer                   | EMS providers             | 2 hours                    |
| 2008       | Capnography and Emergency Medical Care                                     | Small group leader         | EMS providers             | 2 hours                    |
| 2008       | Asthma and COPD  | Lecturer                   | EMS Providers             | 2 hours                    |
| 2008       | CPAP and Respiratory Diseases  | Lecturer                   | EMS providers             | 1.5 hours                  |
| 2001-2005  | Advanced Hazmat Life Support   | Medical director, lecturer | Physicians, EMS providers | Variable                   |
| 2004       | Elder Abuse  | Small group leader         | EMS providers             | 1 hour                     |
| 2001-2004  | Evaluation of Older Patients in the ED                                     | Small group leader         | Medical students          | 6 hours                    |
| 2003       | Medications in Geriatric Patients  | Lecturer                   | Residents                 | 1 hour                     |
| 2002       | Trauma   | Lecturer                   | EMS providers             | 4 hours                    |
| 2002       | Community Acquired Pneumonia: Diagnosis and Treatment Strategies           | Lecturer                   | Physicians                | 4 hours                    |
| 2001       | Clinical supervision & teaching (Northwestern University)                  | Attending physician        | Medical students          | During all clinical duties |
| 2001       | Clinical supervision & teaching (Northwestern University)                  | Attending physician        | Residents & fellows       | During all clinical duties |

**MENTORING**

**Dissertation and Thesis Committees**

2022-2023 Kathryn Wust, Doctoral Dissertation Committee Member, Department of Industrial and Systems Engineering, College of Engineering, University of Wisconsin-Madison. Thesis title:

- “Collaboration between older adult patients, care partners and clinicians: Impact of the complex sociotechnical systems”
- 2018-2022 Michael Pulia, MD, Doctoral Dissertation Committee Chair, University of Wisconsin-Madison
- 2019 Ian Blanchard, Doctoral Dissertation External Examiner, University of Calgary. Thesis title: “Optimally Linking Prehospital and Health System Data: The Association Between Emergency Medical Services Offload Time, Response Time, and Mortality”
- 2017-2019 Rebecca Green, MPH, Master of Public Health Thesis Committee Chair, University of Wisconsin-Madison. Thesis title: “Comparing Emergency Department Use Among Patients with Varying Levels of Cognitive Impairment”
- 2016-2017 Rocio Norman, Doctoral Dissertation Committee Member, Department of Communication Sciences and Disorders, University of Wisconsin-Madison. Thesis title: “Language Performance in Adults with Mild Traumatic Brain Injury”
- 2015-2017 Timmy Li, Doctoral Dissertation Committee Member, Department of Public Health Sciences, Division of Epidemiology, University of Rochester School of Medicine & Dentistry. Thesis title: “The Association Between Neighborhood Socioeconomic Status and Disparities in Emergency Medical Services Use and Quality of Emergency Stroke Care”
- 2015-2016 Michael Pulia, MD, Master of Science Thesis Committee Member, University of Wisconsin-Madison
- 2013-2015 Erik Rueckmann, MD, Master of Public Health Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “A Qualitative Study of Low Rates of Bystander Cardiopulmonary Resuscitation in Low Socio-Economic Communities of Rochester, NY”
- 2013-2014 Mustafa Qazi, MD, Master of Science in Clinical Investigation Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: "Determinants of the Use of Community Technology Centers in Dominican Republic - An Exploratory Study to Inform Future Policy on Telemedicine Use in Developing Countries"
- 2011-2013 Courtney M. C. Jones, MPH, Doctoral Dissertation Committee Member, Department of Public Health Sciences, Division of Epidemiology, University of Rochester School of Medicine & Dentistry. Thesis title: “Trauma Triage: The Effect of Age on EMS Provider Judgment and Prehospital Guidelines for Transport of Injured Patients”
- 2010-2012 Kirsten Rindal, MD, Master of Science in Clinical Investigation Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “Emergency Department Physicians’ Attitudes and Beliefs towards Alcohol Intoxication Patients”
- 2010-2011 Dana Finch, Master of Public Health Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “Exploration of Self-Reported Reasons for Use of Emergency Medical Services and Patient Health Literacy”
- 2010-2011 Timmy Li, Undergraduate Honors Thesis Committee Chair, Health and Society Program, University of Rochester. Thesis title: “The Potential and Impact of Telemedicine on Geriatric Acute Care”
- 2008-2010 Aaron Zachary Hettinger, MD, Master of Science in Clinical Investigation Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “Emergency Medical Dispatch Codes Association with Emergency Department Outcomes”
- 2008-2009 Robert Ketchum, Physician Assistant Thesis Committee Member, D’youville College Physician Assistant Program. Thesis title: “The Effect of Liberalization of Protocols for Analgesia in the Prehospital Environment”
- 2007-2010 Ying Xian, MD, Doctoral Dissertation Committee Member, Department of Public Health Sciences, Division of Health Services Research, University of Rochester School of Medicine



- & Dentistry. Thesis title: “Do Healthcare Process and Outcomes Differ for Acute Ischemic Stroke Patients Admitted to Designated Stroke Centers”
- 2006-2008 Patrick Walsh, Master of Public Health Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “Correlates of Emergency Department Visits for Mental Health Reasons by People 65 Years of Age and Older”
- 2005-2006 Benjamin Lee, Master of Public Health Thesis Committee Member, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry. Thesis title: “Late Life Depression and Emergency Medical Services Utilization”

**Long-Term Mentees**

- 2021-present Blair Golden, MD MS  
 Position During Mentorship: Assistant Professor, Department of Medicine, Division of Hospital Medicine, University of Wisconsin-Madison  
 Current Position: Assistant Professor, Department of Medicine, Division of Hospital Medicine, University of Wisconsin-Madison
- 2020-present Margaret (Gretchen) Schwarze, MD, MPP, FACS  
 Position During Mentorship: Associate Professor and Morgridge Professor in Vascular Surgery, Division of Vascular Surgery, University of Wisconsin-Madison  
 Current Position: Associate Professor and Morgridge Professor in Vascular Surgery, Division of Vascular Surgery, University of Wisconsin-Madison
- 2020-present Julia Berian, MD, MS  
 Position During Mentorship: Assistant Professor, Department of Surgery, Division of Colorectal Surgery, University of Wisconsin-Madison  
 Current Position: Assistant Professor, Department of Surgery, Division of Colorectal Surgery, University of Wisconsin-Madison
- 2016-present Andrea E. Gilmore-Bykovskiy, PhD, RN  
 Position During Mentorship: Faculty, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  
 Current Position: Associate Professor with Tenure, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-present Michael Pulia, MD, MS  
 Position During Mentorship: Faculty, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  
 Current Position: Associate Professor with Tenure, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2015-present Brian Patterson, MD, MPH  
 Position During Mentorship: Faculty, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  
 Current Position: Associate Professor with Tenure, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison; Director, Predictive Analytics and Clinical Decision Support, UW Health
- 2015-2021 Michael Replinger, MD, PhD  
 Position During Mentorship: Faculty, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison  
 Current Position: Medical Director, Divine Savior Emergency Department; Clinical Assistant Professor, BerbeeWalsh Department of Emergency Medicine, University of Wisconsin-Madison
- 2016-2020 Nia Cayenne, BS  
 Position During Mentorship: Undergraduate Student, University of Wisconsin-Madison  
 Current Position: Analyst, Regulatory & Safety at Cerner Enviza

- 2016-2019 Mary Finta, MD  
Position During Mentorship: Medical Student, University of Wisconsin-Madison  
Current Position: Internal Medicine Chief Resident, University of Michigan
- 2016-2018 Tim Holden, MD  
Position During Mentorship: Fellow in Geriatrics, Department of Medicine, Division of Geriatrics and Gerontology, University of Wisconsin-Madison  
Current Position: Assistant Professor, Department of Medicine, Division of Geriatrics and Nutritional Science, Washington University
- 2015-2017 Rocio Norman, PhD, CCC-SLP  
Position During Mentorship: Doctoral student, Department of Communications Sciences and Disorders, University of Wisconsin-Madison  
Current Position: Assistant Professor, Department of Communication Sciences and Disorders, University of Texas Health Science Center, San Antonio
- 2008-2017 Timmy Li, BA, PhD  
Position During Mentorship: Undergraduate, Graduate Student in Epidemiology, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry  
Current Position: Administrative Director of Clinical Research for Emergency Medicine at Northwell Health
- 2013-2016 Beau Abar, PhD  
Position During Mentorship: Faculty, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry  
Current Position: Associate Professor, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2011-2016 Erin Philbrick Wasserman, PhD  
Position During Mentorship: Graduate Student in Epidemiology, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry; Post-Doctoral Fellow, Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center, Department of Exercise and Sport Science, University of North Carolina-Chapel Hill  
Current Position: Associate Epidemiology Director, IQVIA Holdings, Inc.
- 2008-2016 Courtney M.C. Jones, PhD, MPH  
Position During Mentorship: Faculty, Department of Emergency Medicine; Graduate Student in Epidemiology, Department of Public Health Sciences, University of Rochester School of Medicine & Dentistry  
Current Position: Associate Professor, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2006-2015 Jeremy T. Cushman, MD, MS  
Position During Mentorship: Faculty, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry  
Current Position: Professor, Chief, Division of Prehospital Medicine, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2008-2014 Suzanne Gillespie, MD, RD  
Position During Mentorship: Faculty, Department of Medicine, University of Rochester School of Medicine & Dentistry  
Current Position: Professor, Department of Medicine, Division of Geriatrics and Aging, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry
- 2001-2012 Rollin J. ("Terry") Fairbanks, MD, MS  
Position During Mentorship: Resident, Assistant Professor, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry

- Current Position: Professor, Department of Emergency Medicine, Georgetown University; Founding Director, National Center for Human Factors in Healthcare; Vice President, Quality and Safety, MedStar Health
- 2006-2010 Aaron Zachary Hettinger, MD  
 Position During Mentorship: Resident, Fellow, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry  
 Current Position: Assistant Professor, Department of Emergency Medicine, Georgetown University, Washington, DC; Director of Cognitive Informatics, MedStar National Center for Human Factors in Healthcare
- 2005-2010 Thomas V. Caprio, MD, MS  
 Position During Mentorship: Faculty, Department of Medicine, University of Rochester School of Medicine & Dentistry  
 Current Position: Professor, Director, Geriatrics Fellowship, Department of Medicine, Division of Geriatrics and Aging, University of Rochester School of Medicine & Dentistry; Chief Medical Officer, UR Medicine Home Care
- 2003-2009 Erik Rueckmann, MD, MPH  
 Position During Mentorship: Resident, EMS Fellow, Faculty, Department of Emergency Medicine, University of Rochester School of Medicine & Dentistry  
 Current Position: Associate Professor, Associate Dean, Student Advising, Offices of Medical Education, University of Rochester School of Medicine & Dentistry

## **GRANT SUPPORT**

### **CURRENT SUPPORT**

- 2023-2028 NIH/NIA (Chodosh, Brody, Grudzen, Shah MPI) 1U19AG078105  
*ED-LEAD: Emergency Departments LEading the transformation of Alzheimer's and Dementia care*  
 To turn an emergency department visit from a crisis to an opportunity to improve the health and well-being of persons living with dementia through a embedded, pragmatic clinical trial at 14 health systems and 80 emergency departments. This trial will test three interventions relevant to PLWD and their care partners who visit the ED: 1) emergency care redesign of new and intentional workflows for emergency providers; 2) a nurse-led telephonic care program; and 3) a community paramedic-led structured coaching intervention.  
 Role: MPI (20-40%) \$54,937,036
- 2023-2027 NIH/NIA (Berian, PI) K23AG081487  
*Preparing Older Adults for Major Abdominal Surgery: A Systems Engineering Approach*  
 To develop Dr. Berian to lead an independent health services research program focused on developing and testing evidence-based interventions for geriatric-focused surgical care.  
 Role: Mentor (0%). \$951,915.
- 2023-2027 NIH/NIA (Golden, PI) K23AG081458  
*Engaging Hospitalized Patients and Family Caregivers to Identify and Prevent Delirium Superimposed on Dementia: An Intervention Mapping Approach*  
 To develop Dr. Golden to lead an independent health services research program focused on addressing delirium superimposed on dementia among hospitalized patients, particularly leveraging family caregivers to identify and prevent this condition.  
 Role: Mentor (0%). \$862,380.
- 2023-2024 Alzheimer's Association (Gilmore-Bykovskiy, PI)  
*Person-Centered Outcome Measures for AD Patient Emergency Care Experiences*

The project project will establish the care priorities of people living with dementia during ED visits, and develop a patient centered measure for evaluating those priorities.  
Role: Co-I, (5%). \$249,621

- 2021-2026 AHRQ (Patterson, PI) R18HS027735-01A1  
*Preventing Future Falls in Older Adult ED Patients: Evaluating the Implementation and Effectiveness of a Novel Automated Screening and Referral Intervention*  
To develop both CDS and risk stratification algorithms to improve the quality and safety of care delivered to older adult ED patients and to address the urgent and growing need for a scalable strategy for fall risk reduction from the ED by demonstrating the effectiveness of a novel approach in a study spanning diverse hospital types and patient populations.  
Role: Other Significant Contributor (0%). \$1,999,296
- 2020-2025 NIH/NIA (Hwang, Shah MPI) R61AG069822-01/R33AG069822  
*Geriatric Emergency care Applied Research network 2.0 - Advancing Dementia Care*  
The major goals of this project are to bring together leaders who have transformed the emergency care of older adults and partners them with Alzheimer's disease and related dementia experts to optimize care and improve the health of older persons with dementia. It will leverage existing networks and organizations to prioritize research gaps and support pilot grant opportunities for future larger-scale, full proposals.  
Role: MPI (20%). \$7,614,607
- 2019-2023 NIH/NIA (Asthana, PI) P30AG062715  
*Alzheimer's Disease Research Center*  
To support cutting-edge, innovative research on pathobiology, early diagnosis, and treatment of Alzheimer's disease and related illnesses. The Care Research Core provides novel expertise and resources to conduct innovative studies that will enhance patient care and clinical practice.  
Role: Co-Lead, Care Research Core (10%). \$15,059,574

## PAST SUPPORT

- 2022-2027 NIH/NCATS  
2UL1TR002373-Brasier, Burnside, mPI  
2KL2TR002374-Shah, Voils, mPI  
2TL1TR002375-Burkhard, Chui, Trepanier, mPI  
*The Institutional Clinical and Translational Sciences Award*  
The goal of the UW-ICTR is to create an environment that facilitates the transformation of research at the University of Wisconsin into a continuum extending from investigation through discovery to translation into practice.  
Role: PI, Director, KL2 Program (15%). \$53,145,200  
Stepped down after becoming department chair.
- 2020-2022 CDC (Raven & Wang, PI) 75D30120C09431; CA-0165070  
*A Clinical Examination of N95 Reuse and Extended Use*  
To examine the fit and occurrence of failure of N95s being reused by ED providers during the COVID-19 pandemic.  
Role: Site PI (1%). \$1,595,360

- 2018-2022 NIH/NIA (Gilmore-Bykovskiy, PI) K76AG060005  
*Novel Approaches to Identifying and Engaging Disadvantaged Patients with Alzheimer's Disease in Clinical Research*  
The goal of this award is to address fundamental gaps and barriers to improve inclusion of disadvantaged individuals in Alzheimer's Disease research while affording training and mentored research critical for Dr. Gilmore-Bykovskiy to lead an independent research program.  
Role: Mentor (0%). \$1,213,118
- 2017-2022 NIH/NIA (Shah, PI) K24AG054560-01  
*Mentoring and Research in Patient-Oriented Geriatric Emergency Care*  
To enhance my research and mentoring skills to: 1) develop a robust platform to mentor a diverse pool of patient-oriented, geriatric emergency care researchers and 2) use the principles of implementation science to refine and pilot test the community paramedicine model of care to benefit community-dwelling older adults with Alzheimer's Disease and their caregivers.  
Role: PI (50%). \$997,019
- 2018-2022 AHRQ (Carayon & Smith, PIs) R18HS026624  
*Engineering Safe Care Journeys for Vulnerable Older Adults*  
To develop a transdisciplinary patient safety learning lab that evaluates the impact of a patient safety passport to mitigate patient safety issues experienced by older ED patients in the domains of falls, venous thromboembolism, diagnostic and medication errors, and healthcare associated infections.  
Role: Co-Investigator (5%). \$2,470,867
- 2017-2022 NIH/NCATS  
UL1TR002373-Brasier & Burnside, PI  
KL2TR002374-Shah, PI  
TL1002375-Meyerand, PI  
*The Institutional Clinical and Translational Sciences Award*  
The goal of the UW-ICTR is to create an environment that facilitates the transformation of research at the University of Wisconsin into a continuum extending from investigation through discovery to translation into practice.  
Role: PI, Director, KL2 Program (15%). \$40,184,250
- 2016-2022 AHRQ (Patterson, PI) K08HS024558  
*Preventing Future Falls Among Older Adults Presenting to the Emergency Department*  
The goal of this grant is to provide Dr. Patterson career development activities to become an independent investigator who uses natural language processing and machine learning to enhance clinical decision support. This study will specifically identify adults at high risk for future falls and improve their care both during their ED visit and after discharge.  
Role: Mentor (0%). \$800,821
- 2019-2022 Omron Healthcare Company (Shah, PI)  
*Clinical Evaluation of the Omron Wheeze Detector Prototype 3.0*  
To evaluate an audio algorithm for a device that can identify wheezing in children.  
Role: PI (0%). \$62,000
- 2020-2021 Wisconsin Partnership Program (Shah, PI)  
*Wisconsin Real-time Emergency Department Surveillance and Responsive Training (WIRED-RT)*  
The goal of the WIRED-RT study is to expand and test an advanced emergency care electronic health record-based surveillance system using predictive analytics linked to just-in-time training

infrastructure, and thereby facilitate early and targeted public health and health system operational responses in Wisconsin for the COVID-19 pandemic and future public health crises.  
 Role: PI (0%). \$124,488

- 2015-2021 NIH/NIA (Shah, PI) R01AG050504  
*Paramedic-coached ED Care Transitions to Help Older Adults Maintain Their Health*  
 The major goal of this project is to test our overall hypothesis that the community-based, paramedic-coordinated ED-to-home CTI will improve community-dwelling older adults' post-ED health outcomes and reduce costs.  
 Role: PI (17-35%). \$2,890,404
- 2018-2020 NIH/NIA (Hwang, PI) R21AG058926  
*Building the Geriatric Emergency Care Applied Research Network*  
 This proposal will leverage an early network of hospitals and health care systems committed to implementing quality geriatric emergency care initiatives and build the Geriatric Emergency care Applied Research (GEAR) infrastructure. GEAR will create and support opportunities for multicenter studies and future grant proposals.  
 Role: Consultant. \$463,287
- 2018-2019 Roche Molecular Systems (Shah, PI)  
*VivoDx MRSA/SA Nucleic Acid Test: Clinical Performance Evaluation*  
 To evaluate a MRSA diagnostic device.  
 Role: PI (1%). \$250,000
- 2018-2019 Omron Healthcare Company (Shah, PI)  
*Clinical Evaluation of the Omron Wheeze Detector Prototype 2.0*  
 To evaluate an audio algorithm for a device that can identify wheezing in children.  
 Role: PI (0%). \$50,000
- 2018-2019 NIH/NIA (Gilmore-Bykovskiy, PI)  
*Research Supplements to Promote Diversity in Health-Related Research*  
 To provide Dr. Gilmore-Bykovskiy with a fully integrated and organized foundation for utilizing the myriad of resources available at the Wisconsin Alzheimer's Disease Research Center and the University of Wisconsin-Madison to accelerate her progress towards an independent scientific career in clinical Alzheimer's Disease research.  
 Role: Mentor (0%). \$352,141
- 2016-2019 NIH/NIDDK (Replinger, PI) K08DK111234  
*Identifying Barriers and Facilitators to the Implementation of Radiation-Free Imaging Protocols in the Emergency Department*  
 To provide Dr. Replinger the career development activities to accelerate his progress to becoming an independent investigator. This study will specifically identify high impact barriers and facilitators to guideline-adherent use of MRI and ultrasound in the ED; design a candidate intervention bundle and refine it using input from key stakeholders; and test the impact of the bundle.  
 Role: Mentor (0%). \$480,492
- 2017-2018 Roche Molecular Systems (Shah, PI)  
*Cobas MRSA/SA Nucleic Acid Test for Use on the cobas Liat System: Clinical Performance Evaluation*  
 To evaluate a new point of care diagnostic device.  
 Role: PI (1%). \$167,000

- 2017-2018 UW Institute for Clinical and Translational Research Pilot Award (Shah, PI)  
*UW Emergency Department Research Services Program*  
 To create the Emergency Department Research Services Program to identify and enroll eligible ED patients and visitors into research studies and complete research protocols for those studies.  
 Role: PI (0%). \$50,000
- 2017-2018 Omron Healthcare Company (Shah, PI)  
*Clinical Evaluation of the Omron Wheeze Detector Prototype 1.0*  
 To evaluate an audio algorithm for a device that can identify wheezing in children.  
 Role: PI (0%). \$50,000
- 2016-2018 Wisconsin Partnership Program (Pulia, PI)  
 Improving Antibiotic Stewardship for Long Term Care Facility Residents Treated in the ED  
 The goal of this study is to optimize antibiotic stewardship among ED patients discharged back to nursing homes.  
 Role: Mentor (0%). \$100,000
- 2015-2018 Greater Rochester Health Foundation (Livingston County, PI)  
 ED Care Transitions Coaching to Help Rural Older Adults Maintain Their Health  
 The proposed project aims to reduce repeat ED visits among older adults in Livingston County through the Coleman Care Transitions Intervention, implemented by local ambulance-based emergency medical services providers.  
 Role: Co-Director (7%) while at Rochester. \$599,393
- 2013-2017 NIH/NICHHD (Lerner, PI). 1R01 HD075786  
*Use of Mechanism of Injury for the Identification of Severely Injured Children*  
 To evaluate the mechanism of injury component of the Field Triage Criteria to determine which of the conditions are predictive of trauma center need in children.  
 Role: Investigator (1%). \$1,563,862
- 2013-2017 NIH/NHLBI (Sun, PI). 1 R01 HL111033-01A1  
*Derivation and Validation of a Predictive Model of Unexplained Syncope*  
 To derive and validate a risk prediction model to identify individuals suffering unexplained syncope who are at risk for adverse events.  
 Role: Site PI (4%) while at Rochester; Investigator (0%) at Wisconsin. \$2,999,741
- 2012-2017 NIH/NCATS (Drezner, PI). UL1TR000427, KL2TR000428, TL1TR000429  
 The Institutional Clinical and Translational Sciences Award  
 The goal of the UW-ICTR is to create an environment that facilitates the transformation of research at the University of Wisconsin into a continuum extending from investigation through discovery to translation into practice.  
 Role: Co-Director, KL2 Program (20%). \$7,014,028/year
- 2014-2016 NIH/NIA (Ramchandran, PI). R03 AG048111  
 GEMSSTAR Training Grant: Tele-I-CARE for Seniors, a feasibility study for remote eye health surveillance in Senior living communities  
 The goal of this project is to provide the investigator a two-year career development award in aging research.  
 Role: Mentor (0%). \$100,000

- 2014-2016 NIH/NCATS (Pearson, PI). University of Rochester CTSA (Abar, PI). KL2  
*Examining Barriers To Treatment For Depression Among Older Adults*  
 To develop Dr. Abar into an independent scientist investigating older adults' access to care, particularly related to mental health conditions.  
 Role: Mentor (0%). \$180,000
- 2012-2016 CDC (Shah, PI). 1 U01 CE002175-01  
*Field Triage of Older Adults Who Experience Traumatic Brain Injury*  
 To understand the epidemiology of traumatic brain injury among older adults using anticoagulants and platelet inhibitors, to identify the current prehospital trauma triage process for older adults with suspected traumatic brain injury, and to develop a novel triage algorithm that is feasible for use in the prehospital setting for older adults with suspected traumatic brain injury.  
 Role: PI (10%). \$749,000
- 2015 Iqum, Inc. / Roche Molecular Systems (Shah, PI)  
 Multi-Center Study on In Vitro Diagnostic Devices for the Detection of Influenza A, Influenza B, and RSV  
 To evaluate a new point of care diagnostic device.  
 Role: PI (10%). \$140,000
- 2014-2015 NIH/NCRR/NCATS. 5 UL1 TR000042, 5 KL2 TR000095, 5 TL1 TR000096 (Kiebertz, PI)  
 The University of Rochester's Clinical and Translational Science Institute  
 To make the University of Rochester Clinical and Translational Science Institute an academic home for clinical and translational sciences, providing a centralized, integrated infrastructure.  
 Role: Mentor, Research Education (Mentor Development) Pillar (1%). \$3,434,079
- 2012-2015 Society for Academic Emergency Medicine Foundation  
*Institutional Research Training Grant*  
 To train a clinical research investigator in emergency medicine so that the trainee can become an independently funded scientist.  
 Role: PI/Mentor (0%). \$150,000
- 2010-2015 Agency for Healthcare Research and Quality (Shah, PI). 1R01HS018047  
*Evaluating Telemedicine for Acute Illnesses in Assisted Living Residences*  
 To evaluate a telemedicine-enhanced care model that improves access to safe, high quality, acute care; fosters appropriate use of health services; and reduces unnecessary expenditures for older adults in assisted living residences.  
 Role: PI (20%). \$1,806,265
- 2006-2015 NY State Department of Health (Via the Monroe-Livingston Regional EMS Council).  
 EMS Program Agency  
 This organization, funded via an annual contract from New York State Department of Health, Bureau of EMS, oversees all EMS activities in a two county region.  
 Role: PI / Investigator (5%). \$176,154 / year
- 2014 American Society of Health-System Pharmacists Foundation (Acquisto, PI)  
*Survey of Emergency Medicine Pharmacy Education Opportunities for Students and Residents*  
 To survey EDs to assess the status of education opportunities for students and residents.  
 Role: Advisor (0%). \$5,000
- 2013-2014 University of Rochester (Shah, PI). Provosts Multidisciplinary Award



- Patient Centered Barriers and Supporters of Successful ED-to-Community Transitions for Older Adults*  
To identify patient centered factors associated with successful ED-to-community transitions for older adult ED patients.  
Role: PI (0%). \$43,000
- 2012-2014 NIH/NIA (Shah, PI). 1 R03 AG041880-01  
*Deriving a Prehospital Triage Decision Scheme for Injured Older Adults*  
To rigorously derive the first comprehensive, age-specific decision scheme to identify older adults needing trauma center care.  
Role: PI (7%). \$158,980
- 2009-2014 NIH / NIBIB (Fairbanks, PI). 1K08EB009090  
*Human Factors Engineering Approach to Optimize Design of Imaging Systems for Non-Radiologists*  
To develop Dr. Fairbanks' career and to apply cognitive engineering and use human factors engineering methods to study imaging sciences processes in the ED.  
Role: Mentorship Committee (0%). \$642,530
- 2012 NY Department of Health (Shah, Project Director).  
*Empire Clinical Research Investigator Program*  
To train a clinical research investigator in research methods such that the trainee can ultimately become an independently funded scientist.  
Role: Project Director / Mentor (0%). \$75,000
- 2010-2012 CDC / DHHS (Lerner, PI). 1R01CE001835-01  
*Study of EMS Findings Predictive of Pediatric Trauma Center Needs*  
To evaluate the mechanism of injury component of the Field Triage Criteria to determine which of the conditions are predictive of trauma center need in children.  
Role: Site PI (5%). \$599,994
- 2006-2011 NIH/NIA (Shah, PI). Paul B. Beeson Career Development Award. 1K23AG028942  
*Screening and Interventions in an Acute Care Setting*  
To develop my career as a Geriatric Emergency Medicine researcher through mentored activities, coursework, and a study evaluating the reliability and validity of an EMS screening program that identifies, educates, and refers older adults with depression and cognitive impairment.  
Role: PI (75%). \$755,834
- 2010 EMS for Children-NY Subaward (Murray, PI). H33MC06724  
*Video Podcasting for EMS Training*  
To create video podcasts to provide continuing medical education for EMS providers on topics related to seizures, pain control, and neonatal resuscitation.  
Role: Investigator (0%). \$2,999
- 2009-2010 American Society of Health-System Pharmacists Foundation Pharmacy Resident Practice-Based Research Grant (S. Baker, PI)  
*Evaluation of Emergency Pharmacist Services on Antimicrobial Stewardship for Ambulatory Patients Discharged from the Emergency Department.*  
To evaluate a pharmacist-based antimicrobial stewardship program for ED patients.  
Role: Co-Investigator / Mentor (0%). \$5000

- 2008-2010 American Heart Association, Founders Affiliate Predoctoral Fellowship Award (Xian, PI)  
*Do Designated Primary Stroke Centers Improve Quality, Accessibility, Cost and Cost Effectiveness for Acute Stroke*  
To evaluate the impact of stroke centers on the quality, cost, and cost effectiveness of stroke care.  
Role: Consultant / Mentor (0%). \$42,000
- 2007-2010 Health Resources and Services Administration (Katz, PI). 1 D31HP08811-01-00  
*Finger Lakes Geriatric Education Center of Upstate New York*  
To improve the health care delivered to older adults through enhanced geriatric education of health and allied health professionals through curriculum development, linkage building, and education of health professionals and faculty.  
Role: Investigator (5%). \$1,197,984
- 2008-2009 American Society of Health-System Pharmacists Foundation Pharmacy Resident Practice-Based Research Grant (Acquisto, PI)  
*The Outcomes of Emergency Pharmacist Participation during Acute Myocardial Infarction*  
To evaluate the impact of the presence of an emergency pharmacist during the care of patients presenting with an acute myocardial infarction.  
Role: Co-Investigator / Mentor (0%). \$5,000
- 2007-2009 Retirement Research Foundation (Society for Academic Emergency Medicine, PI)  
*Geriatrics Training for Emergency Medicine Physicians: A Practical Approach to Promote Patient Safety and Quality of Care*  
To improve the health and well-being of older adults who receive care in the nation's EDs through a state-of-the-art, internet-accessible training program that teaches and exemplifies optimal emergency care of older patients to emergency medicine physicians.  
Role: Co-Director (0%). \$ 175,035
- 2007-2009 Greater Rochester Health Foundation (Finger Lakes Health Systems Agency, PI)  
*Ambulance Alternate Destinations for Non-Emergency Patients*  
To develop and evaluate a system to divert EMS patients from ED to alternative destinations to enhance continuity of care and reduced health system costs.  
Role: Investigator (5%). \$203,276
- 2006-2009 CDC (Lerner, PI). 1R49CE001010-01  
*Evaluation of the Mechanism of Injury Component of the Trauma Triage Criteria*  
To evaluate the mechanism of injury component of the Field Triage Criteria to determine which of the conditions are predictive of trauma center need.  
Role: Site PI (5%). \$952,650
- 2008 AMDA Foundation / Pfizer QI Award (Gillespie, PI)  
*Improving Communication at Transition from the Skilled Nursing Facility to the Emergency Department*  
To create a standardized communications tool for residents being transferred from a skilled nursing facility to the ED and to evaluate the impact of the tool.  
Role: Investigator (0%). \$12,250
- 2007-2008 SAEM/Emergency Medicine Patient Safety Foundation (Fairbanks, PI)  
*Human Factors Engineering Approaches to Patient Safety in Emergency Medicine*

To develop Dr. Fairbanks' career and to conduct original research that leads to the improvement of patient care through patient safety initiatives in the ED using usability testing and other human factors engineering methods.

Role: Mentorship Committee (0%). \$100,000

- 2005-2008 Health Resources and Services Administration (Shah, PI). 1 D04RH04491-01-00  
*Livingston County Injury and Illness Prevention Project for Community Dwelling Older Adults*  
To provide and evaluate an education program for EMS providers in a rural county and to develop, implement, and evaluate a program of EMS screening and referral to a transitional case manager to prevent injuries and illnesses among rural dwelling older adults.  
Role: PI (10%). \$589,259
- 2006-2007 Ronald McDonald Charities Pediatric Research Fund (Lerner, PI)  
*Barriers and Enablers to Emergency Medical Service Providers Administration of Pain Medications to Pediatric Patients: A Qualitative Study*  
To use qualitative methodologies to evaluate barriers to pain medication administration by EMS providers to pediatric EMS patients.  
Role: Co-PI (0%). \$5,650
- 2005-2007 Agency for Healthcare Research and Quality (Fairbanks, PI). 1 U18 HS015818-01  
*The ED Pharmacist as a Safety Measure in Emergency Medicine*  
To implement, optimize, and evaluate an ED Pharmacist program as a safe practice intervention in an ED to reduce adverse drug events.  
Role: Co-PI (13%). \$599,911
- 2005-2006 Ronald McDonald Charities Pediatric Research Fund (Fairbanks, PI)  
*An Analysis of EMS Malpractice Claims*  
To characterize an EMS malpractice claims database to determine common causes for EMS malpractice claims in pediatric populations.  
Role: Co-PI (0%). \$3,500
- 2005-2006 NIH / NINR (Fairbanks, PI). 1R41NR9592-01  
*Development of a National EMS Patient Safety Reporting System*  
To refine, expand, and test an EMS patient safety system based upon the Aviation Safety Reporting System.  
Role: Investigator (5%). \$100,000
- 2005-2006 Health Resources and Services Administration (Katz, PI). 2 D31 HP70118-06-00  
*Finger Lakes Geriatric Education Center of Upstate New York*  
To improve the health care delivered to older adults through enhanced geriatric education of health and allied health professionals through curriculum development, linkage building, and education of health professionals and faculty.  
Role: Investigator (5%). \$2,095,101
- 2003-2005 American Geriatrics Society / Jahnigen Career Development Scholars Award (Shah, PI)  
*Prehospital Screening to Prevent Injury and Illness*  
To develop my career as a Geriatric Emergency Medicine researcher, including a study evaluating the feasibility and impact of an EMS screening program that identifies, educates, and refers older adults with preventable injuries and illnesses.  
Role: PI (75%). \$200,000
- 2003-2004 CDC (Grant to NY Department of Health, Lerner, PI)

*Evaluate the Performance of a Clinical Algorithm for Assessing Patients with a Vesicular Pustular Rash Syndrome That Could be Confused with Smallpox*

To evaluate a clinical algorithm to assess patients with a rash that could be confused with smallpox.

Role: Site Co-PI (5%). \$57,000

- 2002 The Reynolds Foundation Institution Challenge Grant (Shah, PI)  
*Geriatric Education of Medical Students in the Emergency Department*  
To develop and evaluate an educational program on Geriatric Emergency Medicine for medical students on their Emergency Medicine clerkship.  
Role: PI (0%). \$8,000
- 2000-2003 The Aetna Foundation (Meltzer, PI)  
*Longitudinal Effects of Hospitalists on Costs and Outcomes on an Academic General Medicine Service*  
Role: Research Fellow (0%). \$360,000
- 2000 The John A. Hartford Foundation Centers of Excellence in Geriatric Medicine and Geriatric Psychiatry Institution Pilot Grant (Shah, PI)  
*The EMS System and the Elderly: A Novel Approach for Identification of Elderly Individuals at Risk for Falls*  
To evaluate the feasibility of EMS screening of older adults during emergency care.  
Role: PI (0%). \$10,470
- 1994 Emergency Medicine Foundation, Medical Student Research Fellowship (Shah, PI)  
*Clinical Predictors of Bacteremia*  
Role: PI (0%). \$3,000
- 1994 Strong Children's Research Center (Shah, PI)  
*Clinical Predictors of Bacteremia*  
Role: PI (0%). \$2,000

**PUBLICATIONS** (*underline reflects mentees or trainees*)**REFEREED ARTICLES**

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2. Fields B, Werner N, **Shah MN**, Hetzel S, Golden BP, Gilmore-Bykovskiy A, Farrar Edwards D. Adapting and Testing the Care Partner Hospital Assessment Tool for Use in Dementia Care: Protocol for a 2 Sequential Phase Study. JMIR Res Protoc. 2023;12:e46808. doi: 10.2196/46808.
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8. Green RK, Nieser KJ, Jacobsohn GC, Cochran AL, Caprio TV, Cushman JT, Kind AJH, Lohmeier M, **Shah MN**. Differential Effects of an Emergency Department-to-Home Care Transitions Intervention in an Older Adult Population: A Latent Class Analysis. Medical Care. 2023;61(6):400-408. PMID: 37167559. PMCID: PMC10176501.
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10. Heckman DJ, Cochran AL, Maru AP, **Shah MN**, Liao F, Wiegmann D, Smith MA, Patterson BW. Effectiveness of an Emergency Department Based Machine Learning Clinical Decision Support Tool to Prevent Outpatient Falls among Older Adults: Protocol for a Quasi-experimental Study. JMIR Research Protocols. 2023;12:e48128. Doi: 10.2196/48128. PMID: 37535416. PMCID: PMC10436111.
11. Hoonakker PLT, Carayon P, Brown RL, Schwei R, Green RK, Rabas M, Hoang L, Wust KL, Rutkowski R, Salwei ME, Barton HJ, **Shah MN**, Pulia MS, Patterson BW, Dail P Vw, Krause S, Buckley DM, Hankwitz J, Werner NE. Satisfaction of Older Patients with Emergency Department Care: Psychometric Properties and Construct Validity of the Consumer Emergency Care Satisfaction Scale. Journal of Nursing Care Quality: 2023;38(3), 256-263. PMID: 36827689. PMCID: PMC10205653.
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2. Patterson BW, **Shah MN**. Editorial. Geriatric Emergency Departments as Laboratories for Innovation. *Journal of Geriatric Emergency Medicine*. 2023;3(4):1-3. doi: 10.17294/2694-4715.1046.

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2. Mancera M, Lohmeier M, **Shah MN**. *Geriatric Trauma*. In: Prehospital Trauma Life Support (9<sup>th</sup> ed). (NAEMT in cooperation with the Committee on Trauma of the American College of Surgeons), Jones & Bartlett Learning, Burlington, MA. 2018.
3. Cushman JT, **Shah MN**, Abir M. *Emergency Health Services*, in Disaster Nursing and Emergency Preparedness for Chemical, Biological, and Radiological Terrorism and Other Hazards (4<sup>th</sup> ed). (Veenema T, ed.), Springer Publishing Company, New York. 2018.
4. **Shah MN**, Schoenwetter DJ. *Community Paramedicine: The Geisinger Experience*. In: Value and Quality Innovations in Acute and Emergency Care. (Wiler J, Pines J, Ward M, ed.). Cambridge University Press, Cambridge, UK. 2017.
5. Wood N, **Shah MN**: *High-Intensity Telemedicine Enhanced Acute Care for Elders Model*. In: Geriatrics Models of Care: Bringing 'Best Practice' to an Aging America. (Malone M, Capezuti E, Palmer RM, ed.). Springer International Publishing, Switzerland. 2015.
6. Caprio TV, **Shah MN**: *Approach to the Geriatric Patient*. In: Emergency Medical Services: Clinical Practice and Systems Oversight, 5<sup>th</sup> ed. (Brice J, Cone DC, Delbridge T, Myers B, ed.). Wiley, New York. 2015.
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9. **Shah MN**, Maddow CL, Busko J, Davis EA: *Emergency Health Services Planning for Disasters*, in *Disaster Management and Emergency Preparedness for Health and Human Services*. (Veenema T, ed.). Springer Publishing Company, New York. 2008.
10. Maddow CL, **Shah MN**: Admission Decision Making and Discharge Instructions for a Patient with Abdominal Pain. In: *Abdominal Emergencies*. (D. Cline and L. Stead, ed.), McGraw - Hill, New York. 2008.
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#### OTHER PUBLICATIONS AND ALTERNATIVE MEDIA

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2. Continuing Mobile Education for EMS Providers. Pacemakers. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted March 2010.
3. Continuing Mobile Education for EMS Providers. Cardiology. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted March 2010.
4. Continuing Mobile Education for EMS Providers. Special Considerations in Children. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted January 2010.
5. Continuing Mobile Education for EMS Providers. Respiratory Issues in the Child. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted January 2010.
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8. Continuing Mobile Education for EMS Providers. Respiratory Issues in the Older Adult. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted August 2009.
9. Continuing Mobile Education for EMS Providers. Safety and the Older Adult. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted August 2009.
10. Continuing Mobile Education for EMS Providers. Procedures in Older Adults. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted February 2009.
11. Continuing Mobile Education for EMS Providers. Psychosocial issues in Older Adults. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted January 2009.
12. Continuing Mobile Education for EMS Providers. Assessment of Older Adults. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted January 2009.
13. Continuing Mobile Education for EMS Providers. End of life issues. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted November 2008.
14. Continuing Mobile Education for EMS Providers. Medications for older adults. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted September 2008.

15. Continuing Mobile Education for EMS Providers. Communication with older adults. Video Podcasts. Available at [www.rochesterems.org](http://www.rochesterems.org). Posted August 2008.

## **PRESS RELEASES AND MEDIA ABOUT SCHOLARLY WORK**

### **PRESS RELEASES**

1. "Special Report: Addressing the Unmet Needs of People with Dementia." Emergency Medicine News. 2021. [https://journals.lww.com/em-news/Fulltext/2021/11000/Special\\_Report\\_Addressing\\_the\\_Unmet\\_Needs\\_of.3.aspx](https://journals.lww.com/em-news/Fulltext/2021/11000/Special_Report_Addressing_the_Unmet_Needs_of.3.aspx)
2. "Sun Prairie EMS awarded grant, will provide free in-home health visits." NBC15 WMTV. 2021. <https://www.nbc15.com/2021/06/16/sun-prairie-ems-awarded-grant-will-provide-free-in-home-health-visits/>
3. "UW Awarded Research Funding to Identify Ways to Improve Emergency Department Visits for People with Dementia." News and Events. University of Wisconsin School of Medicine and Public Health. 2020. <https://www.med.wisc.edu/news-and-events/2020/october/improving-emergency-care-for-people-with-dementia/>
4. "Stepping in before the ambulance is called: Community paramedics help avert crises." Wisconsin State Journal. 2016. [https://madison.com/wsj/news/local/health-med-fit/stepping-in-before-the-ambulance-is-called-community-paramedics-help-avert-crises/article\\_38f69c8c-ac1c-5d49-92e5-4d72e5b70961.html](https://madison.com/wsj/news/local/health-med-fit/stepping-in-before-the-ambulance-is-called-community-paramedics-help-avert-crises/article_38f69c8c-ac1c-5d49-92e5-4d72e5b70961.html)
5. "'Prototype Pathway' open for business in Morgridge Fab Lab." News & Stories. Morgridge Institute for Research. 2015. <https://morgridge.org/story/prototype-pathway-open-for-business-in-morgridge-fab-lab/>

### **PODCASTS AND INTERVIEWS**

1. "Emergency care tips for people with dementia." Dementia Matters with Dr. Nathaniel Chin (Dementia Matters' Top 5 Most Downloaded episodes of 2021). 2021. <https://www.adrc.wisc.edu/dementia-matters/emergency-care-tips-people-dementia>
2. "Telemedicine reduces emergency room visits for dementia patients." Dementia Matters with Dr. Nathaniel Chin. 2019. <https://www.emed.wisc.edu/news/dr-manish-shah-dementia-matters-podcast>
3. "Telemedicine for the Dementia Population." MD Magazine. 2019. <https://www.hcplive.com/view/manish-shah-md-mph-telemedicine-for-the-dementia-population>
4. "How Telemedicine Can Reduce ED Use in Dementia." NeurologyLive. 2019. <https://www.neurologylive.com/view/manish-shah-md-mph-telemedicine-reduces-emergency-department-use-by-patients-with-dementia>

### **PERIODICALS**

1. "Shah Leads Grant Aimed at Enhanced Emergency Care for People with Dementia." Quarterly Magazine at University of Wisconsin School of Medicine and Public Health. 2021; 22(4): 21 <https://www.med.wisc.edu/media/medwiscedu/documents/quarterly/quarterly-vol-22-no-4.pdf>

## **PROFESSIONAL DEVELOPMENT & COURSES TAKEN**

|           |  |
|-----------|--|
| 2023      | Neonatal Resuscitation Program   |
| 2021      | UW Health Way Lead Level Training, UW Health, Madison, WI  |
| 2016-2017 | Professional Mentoring Skills Enhancing Diversity, National Research Mentoring Network, University of Pittsburgh Institute for Clinical Research Education |
| 2015-2016 | Chair Development Program, Association for Academic Chairs of Emergency Medicine   |

2014-2015 Senior Leader Education and Development Program, University of Rochester Medical Center Training Program

2014 ICS 300: Intermediate Incident Command System for Expanding Incidents

2014 Executive Development Seminar for Interim and Aspiring Leaders, American Association of Medical Colleges

2011-2012 Leadership Seminar, University of Rochester Medical Center Training Program

2009 ICS 520: Introduction to Continuity of Operations Planning for Pandemic Influenzas

2007-2008 Leadership in Academic Medicine, University of Rochester Medical Center Training Program

2006-2010 Leadership Skills in Academic Medicine: Seminar Series and Mentorship Program

2006 ICS 100: Introduction to the Incident Command System  
ICS 200: Basic Incident Command System for Initial Response  
ICS 700: An Introduction to the National Incident Management System  
ICS 800: National Response Framework, An Introduction

2006 Patient Safety: Building a Safer Health System, University of Rochester Medical Center Training Program

2005 Geriatric Education for Emergency Medical Services, Instructor

2002 Advanced Hazardous Materials Life Support, Course Instructor and Medical Director

2001 EMS Medical Director, National Association of EMS Physicians

2001 Human Subject Protection Program Certified (#22160706)

1996-2016 Advanced Cardiac Life Support, Instructor

1996-2016 Pediatric Advanced Life Support Certified