

CURRICULUM VITAE

BIOGRAPHICAL

David John Wallace
3215 Burdeck Drive
Oakland, CA 94602
917-270-9483
davidjohnwallace@gmail.com
wallaced@pitt.edu

EDUCATION and TRAINING

UNDERGRADUATE

08/20/1993 – 05/14/1997
Bachelor of Arts, Neuroscience
Oberlin College, Oberlin, OH

GRADUATE

08/20/1997 – 05/07/1999
Master of Public Health, Epidemiology
Emory University, Atlanta, GA
08/25/2000 – 05/19/2004
Doctor of Medicine
SUNY Downstate, Brooklyn, NY

POSTGRADUATE

07/01/2004 – 06/30/2009
Combined Internal Medicine & Emergency Medicine Residency
Kings County Hospital/SUNY Downstate, Brooklyn, NY
07/01/2009 – 06/30/2011
Critical Care Fellowship
University of Pittsburgh School of Medicine, Pittsburgh, PA

APPOINTMENTS and POSITIONS

ACADEMIC

07/01/2020 – current
Adjunct Associate Professor of Critical Care Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2020 – current
Adjunct Associate Professor of Emergency Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2020 – current
Adjunct Associate Professor of Health Policy and Management

University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
03/01/2020 – 06/30/2020
Associate Professor of Critical Care Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
03/01/2020 – 06/30/2020
Associate Professor of Emergency Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
03/01/2020 – 06/30/2020
Associate Professor of Health Policy and Management
University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA
07/01/2012 – 02/01/2020
Assistant Professor of Critical Care Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2012 – 02/01/2020
Assistant Professor of Emergency Medicine
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2012 – 06/20/2014
K12 Research Scholar
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2011 – 06/30/2012
Clinical Instructor
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2010 – 06/30/2012
CRISMA Research Fellow
University of Pittsburgh School of Medicine, Pittsburgh, PA
07/01/2010 – 06/30/2012
Post-doctoral Scholar
University of Pittsburgh School of Medicine, Pittsburgh, PA

NON-ACADEMIC

10/01/2022 – current
Attending Physician, Intensive Care Medicine, Sound Physicians
Eden Medical Center, Castro Valley, CA
12/20/2021 – 12/31/2022
Attending Physician, Intensive Care Medicine
CHRISTUS Santa Rosa: Westover Hills, San Antonio, TX
07/20/2020 – 12/31/2022
Attending Physician, Intensive Care Medicine
CHRISTUS Spohn Hospital, Corpus Christi, TX
02/01/2021 – 05/01/2022
Attending Physician, Intensive Care Medicine
Northern Navajo Medical Center, Shiprock, NM
07/01/2021 – 10/4/2021
Attending Physician, Trauma Intensive Care Medicine & Medical Intensive Care Unit
McCleod Hospital, Florence, SC

10/23/2021 – 10/29/2021

Attending Physician, Intensive Care Medicine
Baylor Scott & White; Temple, TX

10/01/2020 – 12/15/2020

Attending Physician, Intensive Care Medicine
PRISMA Health North Greenville Hospital; Greenville, South Carolina

10/01/2020 – 2/20/2021

Attending Physician, Intensive Care Medicine
O'Connor Hospital; San Jose, California

08/01/2020 – 03/20/2021

Attending Physician, Intensive Care Medicine
El Centro Regional Medical Center, El Centro, CA

07/01/2011 – 06/30/2020

Attending Physician, Intensive Care Medicine
Montefiore Hospital, Pittsburgh, PA

07/01/2008 – 06/30/2009

Chief Resident
Kings County Hospital Center, Brooklyn, NY

03/01/1998 – 06/30/2001

Staff Epidemiologist
Centers for Disease Control & Prevention, Atlanta, GA

07/01/1997 – 03/01/1998

Clinical Microbiologist
Emory University, Atlanta, GA

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

American Board of Internal Medicine	2009-current
American Board of Emergency Medicine	2011-current

SUBSPECIALTY CERTIFICATION:

American Board of Internal Medicine – Critical Care Medicine	2011-current
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MEDICAL or OTHER PROFESSIONAL LICENSURE:

Registered Diagnostic Medical Sonographer	2009-current
Pennsylvania Unrestricted Medical License	2010-2020
Washington Unrestricted Medical License	2020-2021
California Unrestricted Medical License	2020-current
South Carolina Unrestricted Medical License	2020-current
Texas Unrestricted Medical License	2021-current
Drug Enforcement Administration License	2011-current

PROCEDURAL COMPETENCE

ACLS certified (2020)
Arterial line (femoral, radial, brachial, axillary)
Bronchoscopy (diagnostic and therapeutic)
Central venous access (internal jugular, subclavian, femoral)
Endotracheal intubation (direct laryngoscopy, video laryngoscopy, bronchoscopic, emergency surgical)
Intraosseous vascular access
Jugular bulb catheter placement
Minnesota/Blakemore tube placement
Paracentesis and pigtail placement
Point of care ultrasound (RDMS certified)
Pulmonary artery catheter placement
Temporary dialysis central line placement
Thoracentesis
Thoracostomy tube placement (pigtail and large bore)
Tracheostomy tube replacement
Transvenous pacemaker placement

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

Alpha Omega Alpha	2006-current
Society of Critical Care Medicine	2008-2017
American College of Chest Physicians	2009-2013
American College of Emergency Physicians	2009-2012
American Medical Association	2010-2020
American Thoracic Society	2011-2020

HONORS

Arnold P. Gold Teaching Award SUNY Downstate	2005
Clinical Pathological Case National Semi-Finals Winner Society of Academic Emergency Medicine	2008
Chief Resident Outstanding Service Award SUNY Downstate	2009
Ultrasound Division Outstanding Service Award SUNY Downstate	2009
Disaster Preparedness Division Outstanding Service Award SUNY Downstate	2009
National Outstanding Reviewer Academic Emergency Medicine	2009
Alumni Society Outstanding Achievement in Teaching Award	2009

SUNY Downstate Fellow of the Year University of Pittsburgh, Department of Critical Care Medicine	2010
McGrevin Post Doctoral Award University of Pittsburgh	2010
National Outstanding Reviewer Academic Emergency Medicine	2011
American Thoracic Society Travel Award American Thoracic Society	2012
National Outstanding Reviewer Academic Emergency Medicine	2012
National Outstanding Reviewer Academic Emergency Medicine	2014
Pitt Ventures Award University of Pittsburgh	2015
National Outstanding Reviewer Academic Emergency Medicine	2015

PUBLICATIONS

ORIGINAL RESEARCH

1. **Wallace DJ**, Van Gilder T, Shallow S, Fiorentino T, Segler SD, Smith KE, Shiferaw B, Etzel R, Garthright WE, Angulo FJ. Incidence of foodborne illnesses reported by the foodborne diseases active surveillance network (FoodNet)-1997. FoodNet Working Group. J Food Prot. 2000 Jun;63(6):807–9.
2. Steward CD, **Wallace DJ**, Hubert SK, Lawton R, Fridkin SK, Gaynes RP, McGowan JE, Tenover FC. Ability of laboratories to detect emerging antimicrobial resistance in nosocomial pathogens: a survey of project ICARE laboratories. Diagn Microbiol Infect Dis. 2000 Sep;38(1):59–67.
3. Zehtabchi S, Sinert R, **Wallace DJ**, Caton M, Chen J, Chang B, Lucchesi M. Is routine electrolyte testing necessary for diabetic patients who present to the emergency department with moderate hyperglycemia? European journal of emergency medicine : official journal of the European Society for Emergency Medicine. 2007 Apr 1;14(2):82–6.
4. Paladino L, Sinert R, **Wallace DJ**, Anderson T, Yadav K, Zehtabchi S. The utility of base deficit and arterial lactate in differentiating major from minor injury in trauma patients with normal vital signs. Resuscitation. 2008 Jun 1;77(3):363–8.
5. **Wallace DJ**, Arquilla B, Heffernan R, Kramer M, Anderson T, Bernstein D, Augenbraun M. A test of syndromic surveillance using a severe acute respiratory syndrome model. Am J Emerg Med. 2009 May 1;27(4):419–23.
6. **Wallace DJ**, Allison M, Stone MB. Inferior vena cava percentage collapse during respiration is affected by the sampling location: an ultrasound study in healthy volunteers. Acad Emerg Med. 2010;17(1):96–9.

7. **Wallace DJ**, Gillett B, Wright B, Stetz J, Arquilla B. Randomized controlled trial of high fidelity patient simulators compared to actor patients in a pandemic influenza drill scenario. *Resuscitation*. 2010 Jul;81(7):872–6.
8. Zein JG, **Wallace DJ**, Kinasewitz G, Toubia N, Kakoulas C. Early anion gap metabolic acidosis in acetaminophen overdose. *Am J Emerg Med*. 2010;28(7):798–802.
9. **Wallace DJ**, Angus DC, Barnato AE, Kramer AA, Kahn JM. Nighttime intensivist staffing and mortality among critically ill patients. *N Engl J Med*. 2012 May 31;366(22):2093–101.
10. Reineck LA, **Wallace DJ**, Barnato AE, Kahn JM. Nighttime intensivist staffing and the timing of death among ICU decedents: a retrospective cohort study. *Crit Care. Critical Care*; 2013 Oct 3;17(5):1–1.
11. **Wallace DJ**, Kahn JM, Angus DC, Martin-Gill C, Callaway CW, Rea TD, Chhatwal J, Kurland K, Seymour CW. Accuracy of Prehospital Transport Time Estimation. Meisel ZF, editor. *Academic Emergency Medicine*. 2014 Jan 6;21(1):9–16.
12. Kahn JM, Cicero BD, **Wallace DJ**, Iwashyna TJ. Adoption of ICU telemedicine in the United States. *Critical care medicine*. 2014 Feb;42(2):362–8.
13. **Wallace DJ**, Angus DC, Seymour CW, Yealy DM, Carr BG, Kurland K, Boujoukos A, Kahn JM. Geographic Access to High Capability Severe Acute Respiratory Failure Centers in the United States. Salluh JIF, editor. *PLoS ONE*. 2014 Apr 4;9(4):e94057.
14. Costa DK, **Wallace DJ**, Barnato AE, Kahn JM. Nurse Practitioner/Physician Assistant Staffing and Critical Care Mortality. *Chest. American College of Chest Physicians*; 2014 Dec 1;146(6):1566–8.
15. Mohan D, Barnato AE, Rosengart MR, Angus DC, **Wallace DJ**, Kahn JM. Triage patterns for medicare patients presenting to nontrauma hospitals with moderate or severe injuries. *Ann Surg*. 2015 Feb;261(2):383–9.
16. **Wallace DJ**, Angus DC, Seymour CW, Barnato AE, Kahn JM. Critical care bed growth in the United States. A comparison of regional and national trends. *American Journal of Respiratory and Critical Care Medicine*. 2015 Feb 15;191(4):410–6.
17. Nguyen Y-L, **Wallace DJ**, Yordanov Y, Trinquart L, Blomkvist J, Angus DC, Kahn JM, Ravaut P, Guidet B. The Volume-Outcome Relationship in Critical Care. *Chest*. 2015 Jul 1;148(1):79–14.
18. Seymour CW, Alotaik O, **Wallace DJ**, Elhabashy AE, Chhatwal J, Rea TD, Angus DC, Nichol G, Kahn JM. County-Level Effects of Prehospital Regionalization of Critically Ill Patients: A Simulation Study. *Critical care medicine*. 2015 Sep;43(9):1807–15.
19. Costa DK, **Wallace DJ**, Kahn JM. The Association Between Daytime Intensivist Physician Staffing and Mortality in the Context of Other ICU Organizational Practices: A Multicenter Cohort Study. *Critical care medicine*. 2015 Nov;43(11):2275–82.
20. Coppler PJ, Rittenberger JC, **Wallace DJ**, Callaway CW, Elmer J, Pittsburgh Post Cardiac Arrest Service. Billing diagnoses do not accurately identify out-of-hospital cardiac arrest patients: An analysis of a regional healthcare system. *Resuscitation*. 2016 Jan;98:9–14.
21. Chen L, Dubrawski A, Wang D, Fiterau M, Guillame-Bert M, Bose E, Kaynar AM, **Wallace DJ**, Guttendorf J, Clermont G, Pinsky MR, Hravnak M. Using Supervised Machine Learning to Classify Real Alerts and Artifact in Online Multisignal Vital Sign Monitoring Data. *Critical care medicine*. 2016 Mar 17;44(7):1–63.
22. **Wallace DJ**, Seymour CW, Kahn JM. Hospital-Level Changes in Adult ICU Bed Supply in the United States. *Critical care medicine*. 2016 Sep 22;45(1):e67–e76.

23. Mohan D, Rosengart MR, Fischhoff B, Angus DC, Farris C, Yealy DM, **Wallace DJ**, Barnato AE. Testing a videogame intervention to recalibrate physician heuristics in trauma triage: study protocol for a randomized controlled trial. *BMC Emerg Med*. BioMed Central; 2016 Nov 11;16(1):44.
24. Kerlin MP, Adhikari NKJ, Rose L, Wilcox ME, Bellamy CJ, Costa DK, Gershengorn HB, Halpern SD, Kahn JM, Lane-Fall MB, **Wallace DJ**, Weiss CH, Wunsch H, Cooke CR. An Official American Thoracic Society Systematic Review: The Effect of Nighttime Intensivist Staffing on Mortality and Length of Stay among Intensive Care Unit Patients. *American Journal of Respiratory and Critical Care Medicine*. American Thoracic Society; 2017 Feb 1.
25. Ray KN, Olson LM, Edgerton EA, Ely M, Gausche-Hill M, Schmuhl P, **Wallace DJ**, Kahn JM. Access to High Pediatric-Readiness Emergency Care in the United States. *The Journal of Pediatrics*. 2018 Mar;194:225–232.e1.
26. Okubo M, Gibo K, **Wallace DJ**, Komukai S, Izawa J, Kiyohara K, Callaway CW, Iwami T, Kitamura T. Regional variation in functional outcome after out-of-hospital cardiac arrest across 47 prefectures in Japan. *Resuscitation*. 2018 Mar;124:21–8.
27. **Wallace DJ**, Ray KN, Degan A, Kurland K, Angus DC, Malinow A. Transportation characteristics associated with non-arrivals to paediatric clinic appointments: a retrospective analysis of 51 580 scheduled visits. *BMJ Quality & Safety*. BMJ Publishing Group Ltd; 2018 Jun;27(6):437–44.
28. Coppler PJ, Elmer J, Rittenberger JC, Callaway CW, **Wallace DJ**. Demographic, social, economic and geographic factors associated with long-term outcomes in a cohort of cardiac arrest survivors. *Resuscitation*. 2018 Jul;128:31–6.
29. **Wallace DJ**, Mohan D, Angus DC, Driessen JR, Seymour CM, Yealy DM, Roberts MM, Kurland KS, Kahn JM. Referral Regions for Time-Sensitive Acute Care Conditions in the United States. *Ann Emerg Med*. 2018 Mar 24;72(2):147–55.
30. **Wallace DJ**, Coppler P, Callaway C, Rittenberger JC, Dezfulian C, Mohan D, Toma C, Elmer J. Selection bias, interventions and outcomes for survivors of cardiac arrest. *Heart*. BMJ Publishing Group Ltd and British Cardiovascular Society; 2018 Aug;104(16):1356–61.
31. Mohan D, Fischhoff B, Angus DC, Rosengart MR, **Wallace DJ**, Yealy DM, Farris C, Chang C-CH, Kerti S, Barnato AE. Serious games may improve physician heuristics in trauma triage. *Proc Natl Acad Sci U S A*. National Academy of Sciences; 2018 Sep 11;115(37):9204–9.
32. Okubo M, Schmicker RH, **Wallace DJ**, Idris AH, Nichol G, Austin MA, Grunau B, Wittwer LK, Richmond N, Morrison LJ, Kurz MC, Cheskes S, Kudenchuk PJ, Zive DM, Aufderheide TP, Wang HE, Herren H, Vaillancourt C, Davis DP, Vilke GM, Scheuermeyer FX, Weisfeldt ML, Elmer J, Colella R, Callaway CW, Resuscitation Outcomes Consortium Investigators. Variation in Survival After Out-of-Hospital Cardiac Arrest Between Emergency Medical Services Agencies. *JAMA Cardiol*. American Medical Association; 2018 Oct 1;3(10):989–99.
33. Elmer J, Callaway CW, Chang C-CH, Madaras J, Martin-Gill C, Nawrocki P, Seaman KAC, Sequeira D, Traynor OT, Venkat A, Walker H, **Wallace DJ**, Guyette FX. Long-Term Outcomes of Out-of-Hospital Cardiac Arrest Care at Regionalized Centers. *Ann Emerg Med*. 2018 Jul 4.
34. Barbash I, **Wallace DJ** and Kahn JM. Effects of Changes in ICU Bed Supply on ICU Utilization. 2019 Jul; (7):544-550.

35. Kulkarni S, Barnato AE, Fischhoff B, Angus DC, Yealy DM, **Wallace DJ** and Mohan D. Does Pre-Existing Practice Modify How Video Games Recalibrate Physician Heuristics in Trauma Triage? *Journal of Surgical Research*. 2019 Oct; 242:55-61.
36. Mohan D, **Wallace DJ**, Kerti SJ, Angus DC, Rosengart MR, Barnato AE, Yealy DM, Fischhoff B, Chang CC and Kahn JM. Association of Practitioner Interfacility Triage Performance With Outcomes for Severely Injured Patients With Fee-for-Service Medicare Insurance. *JAMA Surgery*; 2019 Dec 1;154(12):e193944.
37. Drake C, Donohue J, Nagy D, Mair C, Kraemer K, **Wallace DJ**. Geographic Access to Buprenorphine Prescribers for Patients Who Use Public Transit. *Journal of Substance Abuse Treatment*. 2020 Oct; 117.
38. **Wallace DJ**, Donohue JM, Angus DC, Sabik LM, Davis B, Yabes J, and Kahn JM. Association Between State Medicaid Expansion and Emergency Access to Acute Care Hospitals in the United States. *JAMA Network Open*; Nov 16 2020.
39. Harris GH, Rak KJ, Kahn JM, Angus DC, Mancing OR, Driessen J, and **Wallace DJ**. US Hospital Capacity Managers' Experiences and Concerns Regarding Preparedness for Seasonal Influenza and Influenza-like Illness. *JAMA Network Open*; Mar 19, 2021.
40. Drake CD, Nagy D, Nguyen T, Kraemer K, Mair CF, **Wallace DJ**, and Donohue JD. A Comparison of Methods for Measuring Spatial Access to Health Care. *HSR*; 2021 (in-press).
41. Steinberg A, Abelia BS, Gilmore EJ, Hwang DY, Kennedy N, Lau W, Mullen I, Ravishankar N, Tisch CF, Waddell A, **Wallace DJ**, Zhang Q, Elmer J. Frequency of Withdrawal of Life-Sustaining Therapy for Perceived Poor Neurologic Prognosis. *Crit Care Explo*; Jul 2021.
42. Krampe, N Case N, Rittenberger JC, Condle JP, Doshi AA, Flickinger KL, Callaway CW, **Wallace DJ**, Elmer J. Evaluating novel methods of outcome assessment following cardiac arrest. *Resuscitation*; Dec 2021.
43. Elmer J, Mikati N, Arnold RM, **Wallace DJ**, Callaway CW. Death and End-of-Life Care in Emergency Departments in the US. *JAMA Open Network*; Nov 2022.

OTHER PEER REVIEWED PUBLICATIONS

1. **Wallace DJ**, Gupta A, O'Neill P. Takotsubo syndrome in an elderly woman with blunt trauma. *The Journal of trauma*. 2007 Sep 1;63(3):696–9.
2. **Wallace DJ**, Esper S, Gunn SR, Stone MB. Ultrasonographic lung appearance of transfusion-related acute lung injury. *Resuscitation*. 2010 Jan 1;81(5):632–3.
3. **Wallace DJ**, Sappington P, Tisherman S, Stone M. Ultrasonographic Appearance of Lung Sliding in a Patient With a Bronchopleural Fistula on a High-Frequency Oscillator Ventilator. *Journal of Diagnostic Medical Sonography*. SAGE Publications; 2011;27(2):85–8.
4. Harika R, Bermas K, Hughes C, Al-Khafaji A, Iyer M, **Wallace DJ**. Cardiac arrest after liver transplantation in a patient with takotsubo cardiomyopathy. *British journal of anaesthesia*. 2014 Feb 17;112(3):594–5.
5. **Wallace DJ**. Strategies to Effect Change in the ICU. *Curr Opin Crit Care*. 2019 Oct;25(5):511-516.

ABSTRACTS

1. **Wallace DJ**, Steward C D, Hubert S K, Lawson R, Fridkin S K, Gaynes R P, McGowan J E and Tenover F C. Ability of Laboratories to Detect Emerging Antimicrobial Resistance in Nosocomial Pathogens. American Society of Microbiology General Meeting: Chicago;(1999).
2. Van Gilder TJ, Christainson D, **Wallace DJ**. Variations in Stool Handling and Culturing Practices Among Clinical Microbiology Laboratories within the Foodborne Diseases Active Surveillance Network (FoodNet): Do We Need Practice Guidelines? American Society of Microbiology General Meeting: Chicago. American Society of Microbiology, (1999).
3. Steward C D, **Wallace DJ**, Hubert S K, Lawson R, Fridkin S K, Gaynes R P, McGowan J E and Tenover F C. Ability of Laboratories to Detect Emerging Antimicrobial Resistance in Nosocomial Pathogens. American Society of Microbiology: Chicago; (1999).
4. **Wallace DJ**, Mead P, Shiferaw B, Bender J, Dembek Z, Davis M, Gilbert L, Zansky S, Griffin P and the EIP FoodNet Working Group. Active Surveillance for Hemolytic Uremic Syndrome in FoodNet Sites: 1997-1998. American Society of Microbiology: Atlanta; (2000).
5. **Wallace DJ**, Van Gilder T J, Christensen D, Shallow S, Fiorentino T, Desai S, Soderlund D, Cassidy M, and Angulo F. Variation in Campylobacter Incidence and Isolation: Ecology or Testing? American Society of Microbiology; Los Angeles; (2000).
6. Dunne E, **Wallace DJ**, Bender J, Dembek Z, Davis MA, Gilbert L, Zansky S, Shiferaw B, Carter M, Griffin P, Mead P, and the FoodNet Working Group. Results from 3 years of active surveillance for Hemolytic Uremic Syndrome (HUS) through FoodNet, United States, 1997-1999. Infectious Diseases Society of America Annual Meeting: New Orleans; (2000).
7. Samuel M, McNeas A, Koehler K, Marcus R, **Wallace DJ**, Hadler J, Deneen V, Demanske B, Shiferaw B, Vugia D and the EIP FoodNet Working Group. Consumption of Risky Foods among Persons at High Risk for Severe Foodborne Diseases in the FoodNet Sites: Room for Improved Targeted Prevention Messages. American Society of Microbiology: Atlanta; (2000).
8. Ray S, Desai S, **Wallace DJ**, Samuel M, Fiorentino T, Soderlund D, Cassidy M and the EIP FoodNet Working Group. High Rates of Yersinia enterocolitica Infection Among Black Infants in Metropolitan Atlanta Area Compared to Other FoodNet Sites 1996-1998. American Society of Microbiology: Atlanta; (2000).
9. **Wallace DJ**, Arquilla B, Heffernan R, Kramer M, Anderson T, Bernstein D and Augenbraun M. Multicenter Emergency Department Disaster Drill: A Test of New York City Syndromic Surveillance using a Severe Acute Respiratory Syndrome Model. Program and abstracts of the American College of Emergency Physicians Scientific Assembly: Seattle; (2007).
10. **Wallace DJ**, Gillett B, Wright B, Stetz J and Arquilla B. Randomized Controlled Trial Of High Fidelity Patient Simulators Compared to Actor Patients In a Drill Scenario. Society for Academic Emergency Medicine General Meeting: New Orleans; (2009).
11. **Wallace DJ**, Al-Khafaji A, Gomez H, Edwards J, Kasiewicz J, Muigai M and Stone M. Ultrasound Confirmation of Minnesota Tube Placement in Two Patients with Massive Variceal Bleeding. Chest. (2010); 138:4.
12. **Wallace DJ**, Angus DC, Rosengart M, Iwashyna T, Kahn JM. Effect of Annual Changes in Hospital Volume on Risk-Adjusted Mortality for Mechanically Ventilated Patients. Critical Care Medicine. (2010);38:520.

13. **Wallace DJ**, Barnato AE, Kramer AA, Angus DC, Kahn JM. Structures and Processes of Care in Intensivist-Staffed Critical Care Units. *American Journal of Respiratory and Critical Care Medicine*. (2011);183:A1021.
14. **Wallace DJ**, Angus DC, Rosengart M, Iwashyna T, Kahn JM. System-level concentration of services for mechanically ventilated patients can mask substantial regional heterogeneity and disorganization. *Critical Care*. (2011);15:P484.
15. **Wallace DJ**, Nguyen Y, Trinquart L, Angus DC, Kahn JM. Volume-Outcome Relationship in Critical Care: A Systematic Review. *Critical Care*. 2012;16:P521.
16. **Wallace DJ**, Angus DC, Barnato AE, Kramer AA, Kahn JM. Nighttime Intensivist Staffing And Mortality In Critically Ill Patients. *American Journal of Respiratory and Critical Care Medicine*. (2012); 185: A5075
17. **Wallace DJ**, Angus DC, Kurland K, Kahn JM. Travel Time Analysis for Patients with Acute Respiratory Failure. ESRI Health GIS Conference. August (2012).
18. Wendell L, Menke N, King A, **Wallace DJ**, Lynch M. Profound Metabolic Acidosis and Hyperammonemia Due to Acetaminophen Successfully Treated with Dialysis. Annual Meeting of the North American Congress of Clinical Toxicology; March (2013).
19. Reineck L, **Wallace DJ**, Barnato AE, Kahn JM. Nighttime intensivist staffing and the timing of death among ICU decedents. *American Thoracic Society*. May (2013).
20. Kelly D, **Wallace DJ**, Barnato AE, Kahn JM. ICU nurse practitioner and physician assistant utilization and in-hospital mortality. *American Thoracic Society*. May (2013).
21. **Wallace DJ**, Angus DC, Seymour CW, Carr B, Boujoukos A, Kurland K, Yealy D, Kahn JM. Geographic Access to Severe ARDS Referral Centers in the United States. *Critical Care Medicine*. January (2014).
22. **Wallace DJ**, Angus DC, Seymour CW, & Kahn JM. Temporal Changes in Critical Care Bed Supply in the United States. *American Thoracic Society*. May (2014).
23. Kelly D, **Wallace DJ**, Kahn JM. Interprofessional care and intensive care unit outcomes: a multicenter cohort study. *AcademyHealth*. June (2014).
24. **Wallace DJ**, Angus DC, Seymour CW, Yealy D, Carr B, Kurland K., et al. Geographic Access to High Capability Severe Acute Respiratory Failure Centers in the United States. ESRI Health GIS Conference. November (2014).
25. Hravnak M, Chen L, Dubrawski A, Wang D, Bose E, Clermont G, Kaynar M, **Wallace DJ**, Holder A, Pinsky MR. Semi-supervised Machine Learning Can Classify Vital Sign Events as Real or Artifact in Continuous Monitoring Data. *ESICM*. October (2015).
26. **Wallace DJ**, Angus DC, Donohue JD, Sabik L, Davis B, and Kahn JM. Medicaid Expansion & Emergency Access to Acute Care Hospitals. *AcademyHealth National Health Policy Conference*; February (2019).
27. Stratton LK, Kahn JM, Angus DC, Barbas IJ, Drake CD, Mohr NM, Seymour CW, and **Wallace DJ**. Access to high-performing hospitals for sepsis care in new york state. *ISICEM 2019*. March (2019).
28. **Wallace DJ**, Angus DC, Donohue JD, Sabik L, Davis B, and Kahn JM. Medicaid Expansion & Emergency Access to Acute Care Hospitals. *AcademyHealth Conference*; June (2019).

OTHER NON-PEER REVIEWED PUBLICATIONS

Editorials

1. **Wallace DJ**, Milbrandt EB, Boujoukos A. Ave, CESAR, morituri te salutant! (Hail, CESAR, those who are about to die salute you!). *Crit Care*. 2010;14(2):308.
2. **Wallace DJ**, Kahn JM. Severe sepsis in the UK and the case volume-outcome association. *BMJ. British Medical Journal Publishing Group*; 2012 May 29;344:e3494–4.
3. **Wallace DJ**, Kahn JM. Florence Nightingale and the Conundrum of Counting ICU Beds. *Critical care medicine*. 2015 Nov;43(11):2517–8.
4. **Wallace DJ**. Nighttime physician staffing improves patient outcomes: yes. *Intensive Care Med*. Springer Berlin Heidelberg; 2016 Sep;42(9):1467–8.
5. **Wallace DJ**. Is there a doctor in the house? *Critical Care Medicine*. (2020).
6. **Wallace DJ**, Drake C and Mohan D. Nudges in the Care of the Critically Ill. *Critical Care Medicine* (2019)
7. Layba C and **Wallace DJ**. Do Tracheostomy and Gastrostomy Confer Immortality in COVID-19?. *Critical Care Medicine* (2021)
8. Danboise B, Sherani K, and **Wallace DJ**. Ten Years is Too Long to Move From the Emergency Department to the Intensive Care Unit. *Critical Care Medicine* (2021)
9. **Wallace DJ**, Shutter L, Jonassaint. Intentional Inclusion, Diversity, and Transparent Reporting in Critical Care Research. *Critical Care Medicine* (2021).
10. **Wallace DJ**. Super Sticky Ventilator Bundles. *Critical Care Medicine* (2023)

Book Chapters

1. **Wallace DJ**, Reddy S, Van Gilder T J, Angulo F, Griffin P M and Tauxe R V. Foodborne Diseases Active Surveillance Network (FoodNet): Population Survey Atlas of Exposures: 1998-1999. Atlanta: Centers for Disease Control and Prevention (1999).
2. **Wallace DJ** & Baldisseri M. An Overview of Critical Illness in Pregnancy. *CCM Supplement* (2011).
3. **Wallace DJ** & Angus DC. Cost and Cost-Effectiveness. *The Oxford Textbook of Critical Care*: ed. Webb, Finfer, Singer, Angus & Gattinoni. Oxford University Press (2012).
4. **Wallace DJ**, Angus DC & Kahn JM. Nighttime Physician Intensivist Staffing in the ICU. *ISICEM* (2013) Update.
5. **Wallace DJ** & Angus DC. Cost Evaluation in the Intensive Care Unit. *Principles of Critical Care*: ed. Schmidt & Hall (2014).
6. **Wallace DJ**. Cost and Cost-Effectiveness. *Handbook of Intensive Care Organization and Management* (2015).

Letters to the Editor

1. **Wallace DJ** & Kahn JM. Nighttime Intensivist Staffing. *NEJM* (2012); 367:971-972.

PROFESSIONAL ACTIVITIES

TEACHING

Graduate Student Teaching:

2013 Lecturer, Engineering in Medicine, Carnegie Mellon University, Graduate Students, 40 learners, 1 session per year

2014 Lecturer, Engineering in Medicine, Carnegie Mellon University, Graduate Students, 42 learners, 1 session per year

2016 Lecturer, Physicians and Microeconomics, University of Pittsburgh Graduate School of Public Health, Graduate Students, 42 learners, 1 session per year

2018 Lecturer, Physicians and Healthcare Markets, University of Pittsburgh Graduate School of Public Health, Graduate Students, 32 learners, 1 session per year

Fellow Teaching:

2015 Instructor, Advanced Ultrasound Course, critical care fellows, 21 learners, 1 session per year

2016 Instructor, Advanced Ultrasound Course, critical care fellows, 20 learners, 1 session per year

2017 Instructor, Advanced Ultrasound Course, critical care fellows, 20 learners, 1 session per year

2019-2021 Journal Club Director, Department of Critical Care Medicine

Mentoring:

2018 – current Co-mentor Coleman Drake, PhD

Dr. Drake is a current Assistant Professor in the Department of Health Policy and Management in the University of Pittsburgh Graduate School of Public Health. I am a co-mentor on a funded K01 applications for Dr. Drake.

2016 – current Co-mentor Masashi Okubo, MD

Dr. Okubo is a current research fellow in the Department of Emergency Medicine in the University of Pittsburgh School of Medicine. Together we are collaborating in three research domains: (1) determine the contribution of EMS practice variation in the outcome after out-of-hospital cardiac arrest; (2) evaluate regional variation in cardiac arrest outcome by prefecture in Japan; and (3) evaluate variation in population access to acute care across Japan. Dr. Okubo received a RESS AHA Young Investigator Award in 2017, which I am a co-mentor on. We have three published manuscripts.

2018 – current Co-mentor Gavin Harris, MD

Dr. Harris was a combined critical care medicine and infectious diseases clinical fellow in the the University of Pittsburgh School of Medicine. I am mentoring Dr. Harris on two projects. In the first project, I am working with Dr. Harris on the analysis of influenza testing in ICU patients, within the UPMC system. In the second project, I am working with Dr. Harris to analyze influenza-related content obtained from my R03 project, evaluating throughput and capacity challenges in the United States. This work resulted in an abstract submission to IDWeek 2019 and a manuscript published in JAMA Network Open in 2021.

RESEARCH

Current Grant Support

Pitt Award	Understanding Mode of Transport Decisions in Out of Hospital Cardiac Arrest	CoPI (0% effort)	2019-2022	Direct: \$50,000 Indirect: \$0 Total: \$50,000
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Prior Grant Support

K08HL122478-5	Understanding Regional Critical Care Delivery in Acute Respiratory Failure	PI (75% effort)	2014-2019	Direct: \$561,328 Indirect: \$44,872 Total: \$606,220
Pitt SEED Award	ACCESS MAPS: Accessing Critical Care and Emergency Service Systems	PI (2.5% effort)	2018-2021	Direct: \$50,000 Indirect: \$0 Total: \$50,000
AHA	Variation in out-of-hospital cardiac arrest survival among emergency medical services agencies	Co-investigator (2.5% effort)	2018-2021	Direct: \$16,218 Indirect: \$1,622 Total: \$17,840
R03HL16020-2	Causes and Effects of Hospital-Level Changes in Intensive Care Bed Supply	PI (15% effort, subsumed under K award)	2017-2019	Direct: \$100,000 Indirect: \$53,271 Total: \$153,271
Robert Wood Johnson Foundation	The Effect of the Affordable Care Act Medicaid Expansion on Geographic Access to Safety Net and Acute Care Hospitals	PI (15% effort)	2018-2019	Direct: \$76,306 Indirect: \$9,157 Total: \$85,463
NHLBI-K12HL109068	Pittsburgh Career Development Program in Emergency Medicine Research	Trainee	2012-2014	Direct: \$351,852 Indirect: \$28,006 Total: \$379,858

NHLBI-T32HL07820	Experimental Therapeutics in Critical Illness	Trainee	2010-2012	Stipend: \$101,412
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Non-Funded Research:

Past Study Investigator

VTI-208 (Sub-Investigator)

2013 –2015

A Randomized, Open-Label, Multicenter, Controlled, Pivotal Study to Assess Safety and Efficacy of ELAD® in Subjects with Alcohol-Induced Liver Decompensation (AILD). The primary objective of the study is to evaluate safety and efficacy of ELAD® with respect to overall survival (OS) of subjects with a clinical diagnosis of alcohol-induced liver decompensation (AILD) through at least Study Day 91, with follow-up Protocol VTL-308E providing additional survival data up to a maximum of 5 years that will be included, as available, through VTL-308 study termination (after the last surviving enrolled subject completes Study Day 91).

ATHOS 3 (Sub-Investigator)

2016 – 2018

A Phase 3, Placebo-Controlled, Randomized, Double-Blind, Multi- Center Study of LJPC-501 in Patients with Catecholamine-Resistant Hypotension. The overall objective is to compare the effect of LJPC-501 infusion on mean arterial pressure (MAP) in patients with catecholamine-resistant hypotension (CRH).

VTL-308 (Sub-Investigator)

2016 – 2018

A Randomized, Open-Label, Multicenter, Controlled, Pivotal Study to Assess Safety and Efficacy of ELAD® in Subjects with Alcohol-Induced Liver Decompensation (AILD). The primary objective of the study is to evaluate safety and efficacy of ELAD® with respect to overall survival (OS) of subjects with a clinical diagnosis of alcohol-induced liver decompensation (AILD) through at least Study Day 91, with follow-up Protocol VTL-308E providing additional survival data up to a maximum of 5 years that will be included, as available, through VTL-308 study termination (after the last surviving enrolled subject completes Study Day 91).

Editorial Positions

Ad Hoc Reviewer, Critical Care Medicine	2009-current
Ad Hoc Reviewer, Academic Emergency Medicine	2009-current
Ad Hoc Reviewer, Annals of Emergency Medicine	2012-current
Ad Hoc Reviewer, Critical Care	2012-current
Ad Hoc Reviewer, Critical Care Nurse	2017-current
Ad Hoc Reviewer, Journal of Critical Care	2013-current
Ad Hoc Reviewer, Annals of the American Thoracic Society	2013-current
Ad Hoc Reviewer, American Journal of Respiratory and Critical Care Medicine	2013-current
Ad Hoc Reviewer, Hospital Practice	2016-current
Ad Hoc Reviewer, Journal of Intensive Care Medicine	2017-current
Ad Hoc Reviewer, PLoS ONE	2016-current
Ad Hoc Reviewer, Intensive Care Medicine	2016-current
Ad Hoc Reviewer, Pediatrics	2017-current
Ad Hoc Reviewer, Nature Scientific Reports	2016-current

Professional Society Participation

ATS Early Career Professional Working Group 2014-2017
ATS Systematic Review of ICU organization 2014-2016

NIH Reviewer

Loan Repayment Program 2015 - 2020
Early Career Reviewer Program at the Center
for Scientific Review (CSR) 2014 - 2019

AHRQ Study Section

Ad hoc study section member, Healthcare Safety and Quality
Improvement Research (HSQIR) June 2018
Ad hoc study section member, Healthcare Safety and Quality
Improvement Research (HSQIR) February 2019
Ad hoc study section member, Healthcare Safety and Quality
Improvement Research (HSQIR) June 2019
Standing study section member, Healthcare Safety and Quality
Improvement Research (HSQIR) October 2020 - current

INVITED SEMINARS AND LECTURESHIPS

Grand Rounds

2014, Mercy Hospital, Department of Medicine
2015, University of Pittsburgh School of Medicine,
Division of Pulmonary, Critical Care & Allergy
2015, University of Pittsburgh School of Medicine,
Department of Critical Care Medicine
2016, University of Toronto
Department of Critical Care Medicine
2020, University of Indiana
Department of Emergency Medicine

Domestic Presentations

2012, "Spatial Epidemiology: Beyond John Snow"; RAND & University of Pittsburgh;
Pittsburgh, Pennsylvania
2014, "Regionalized Critical Care in the United States"; NAMDRG; Sonoma, California
2015, "ICU Organizational Structure"; Texas Health Fort Worth Critical Care Conference;
Fort Worth, Texas
2015, "Nutrition Management in the ICU"; Texas Health Fort Worth Critical Care Conference;
Fort Worth, Texas
2016, "Data Driven Approaches to Acute Care Regions and Resources"
Pittsburgh, Pennsylvania
2017, "Association of Intensive Care Unit Admission with Mortality
among Older Patients with Pneumonia"; MTPI Journal Club
2018, "Safety Net Hospitals and Medicaid Expansion"; University of Pittsburgh, Graduate

School of Public Health; Pittsburgh, Pennsylvania
2018, "Pittsburgh Atlas: Mapping local and global"; University of Pittsburgh,
Department of Internal Medicine; Pittsburgh, Pennsylvania
2021, "Healthcare hazard mitigation and pandemic preparedness"; University of California San
Diego, School of Public Health; San Diego, California

International Presentations

2014, "Critical Care Medicine Year in Review"; DevelopingEM; Salvador, Brazil
2015, "ACCESS MAPS"; InFACT Annual Meeting; Lake Louis, Canada
2015
2015, "CCM Articles that will Change Your Practice"; DevelopingEM; Havana, Cuba
2015
2016, "ACCESS MAPS"; InFACT Annual Meeting; Whistler, Canada
2016, "CCM Articles that will Change Your Practice"; DevelopingEM; Colombo, Sri Lanka
2018, "ACCESS MAPS"; InFACT Annual Meeting; Whistler, Canada
2019, "High Value Intensive Care"; DevelopingEM; Nadi, Fiji
2019, "Intensive Care: Panel Discussion"; DevelopingEM; Nadi, Fiji
2019, "ACCESS MAPS"; InFACT Annual Meeting; Whistler, Canada
2020, Research Workshop Organizer, DevelopingEM; Cartagena, Colombia.

SERVICE

2019 - 2021 Journal Club Director, Department of Critical Care Medicine

- Developed curriculum of research topics to highlight through presentation of new and important original research.
- Matched clinical fellows to faculty members based on shared interests and content expertise.

2019 – 2020 CRISMA Conference Director, Department of Critical Care Medicine

- Coordinate the weekly multidisciplinary research conference that is attended by medical students, house staff, and faculty across the University.

2015 - 2020 Faculty, Internal Medicine Clinical Competency Committee

- Participate in 3-hour sessions, twice per year.
- Critically evaluated clinical fellows in the intensive care training program, to identify successful completion of educational objectives and evidence of clinical competency.

2015 - 2020 Faculty, Internal Medicine Fellowship Interview Committee

- Interview internal medicine fellowship applicants.

2017 - 2020 Faculty, Anesthesia Critical Care Fellowship Interview Committee

- Interview anesthesia fellowship applicants.