

CURRICULUM VITAE  
The Johns Hopkins University School of Medicine



07/28/2023

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Theodore J. Iwashyna, MD, PhD

## DEMOGRAPHIC AND PERSONAL INFORMATION

### Current Appointments

#### University

- 2022-present Bloomberg Distinguished Professor of Social Science and Justice in Medicine, Professor Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine, Baltimore, MD
- 2022-present Professor, Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- 2023-present Professor (by Courtesy), Johns Hopkins Carey Business School, Baltimore, MD

#### Hospital

- 2022-present Staff Physician, Johns Hopkins Medical Institutions, Baltimore, MD

#### Other

- 2022-present Director of Health Services Research Training, Pulmonary and Critical Care Medicine, Johns Hopkins School of Medicine, Baltimore, MD
- 2022-present Member, Data Trust Research Data Sub council, Johns Hopkins School of Medicine, Baltimore, MD
- 2022-present Member, Health Services Research Hiring Committee, Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

### Personal Data

The Johns Hopkins University  
1830 E Monument St, Room 519  
Baltimore, MD 21205  
Phone: 734-709-1865  
E-mail: iwashyna@jhu.edu

### Education and Training

#### Undergraduate

- 1994 AB, Molecular Biology, Princeton University, Princeton, NJ, graduated with honors

#### Doctoral/graduate

- 2001 PhD, University of Chicago, Harris Graduate School of Public Health
- 2002 MD, University of Chicago, Pritzker School of Medicine, Chicago, IL

#### Postdoctoral

- 2002-2003 Internship, Internal Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
- 2003-2005 Residency, Internal Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA
- 2005-2008 Fellowship, Pulmonary & Critical Care Medicine, Hospital of the University of Pennsylvania, Philadelphia, PA

### Professional Experience

- 2004-2005 Medical Officer, Princess Mariana Hospital/Gaborone, Botswana
- 2005-2006 Adjunct Faculty, School of Medicine, University of Tasmania/Hobart, Australia

2008-2013	Assistant Professor, Internal Medicine–Pulmonary/Critical Care, University of Michigan School of Medicine/Ann Arbor, MI
2009-2011	Core Faculty, Robert Wood Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
2010-2022	Staff Physician, Ann Arbor VA Healthcare System/Ann Arbor, MI
2010-2022	Research Scientist, Center for Clinical Management Research, Ann Arbor VA Healthcare System/Ann Arbor, MI
2011-2013	Associate Director, Robert Wood Johnson Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
2011-2022	Faculty Associate, Survey Research Center, Institute for Social Research, University of Michigan/Ann Arbor, MI
2013-2016	Co-Director, Robert Wood Johnson Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
2013-2018	Associate Professor, Internal Medicine-Pulmonary/Critical Care, University of Michigan School of Medicine/Ann Arbor, MI
2015-2015	Visiting Academic, Monash University/Melbourne, Victoria, Australia
2016-2022	Co-Director, Research Core, Center for Clinical Management Research, VA Ann Arbor Healthcare System, HSR&D Center of Innovation/Ann Arbor, MI
2016-2022	Co-Director, National Clinician Scholars, University of Michigan/Ann Arbor, MI
2018-2022	Director of Health Services Research, Division of Pulmonary & Critical Care Medicine, University of Michigan/Ann Arbor, MI
2018-2022	Professor, Internal Medicine–Pulmonary/Critical Care, University of Michigan School of Medicine/Ann Arbor, MI

## PUBLICATIONS

### Original Research [OR]

1. Christakis NA, **Iwashyna TJ**: Spousal illness burden is associated with delayed use of hospice care in terminally ill patients. *J Palliat Med.* 1(1): 3-10, 1998. PM15859867
2. **Iwashyna TJ**, Christakis NA.: Attitude and self-reported practice regarding hospice referral in a national sample of internists. *J Palliat Med.* 1(3): 241-248, 1998. PM15859834
3. **Iwashyna TJ**, Zhang JX, Lauderdale DS, Christakis NA: A methodology for identifying married couples in Medicare data: mortality, morbidity, and health care use among the married elderly. *Demography.* 35(4): 413-419, 1998. PM9850466
4. Christakis NA, **Iwashyna TJ**. : Attitude and self-reported practice regarding prognostication in a national sample of internists. *Arch Intern Med.* 158(21): 2389-2395, 1998. PM9827791
5. Zhang JX, **Iwashyna TJ**, Christakis NA: The performance of different lookback periods and sources of information for Charlson comorbidity adjustment in Medicare claims. *Med Care.* 37(11): 1128-1139, 1999. PM10549615
6. **Iwashyna TJ**, Christakis NA, Becker LB: Neighborhoods matter: a population-based study of provision of cardiopulmonary resuscitation. *Ann Emerg Med.* 34(4 Pt 1): 459-468, 1999. PM10499946
7. Christakis NA, **Iwashyna TJ**: Impact of individual and market factors on the timing of initiation of hospice terminal care. *Med Care.* 38(5): 528-541, 2000. PM10800979
8. **Iwashyna TJ**, Zhang JX, Lauderdale DS, Christakis NA: Refinements of a methodology for detecting married couples in the Medicare data. *Demography.* 37(2): 251-252, 2000. PM10836183
9. **Iwashyna TJ**, Zhang JX, Christakis NA: Disease-specific patterns of hospice and related healthcare use in an incidence cohort of seriously ill elderly patients. *J Palliat Med.* 5(4): 531-538, 2002. PM12243677
10. Christakis NA, **Iwashyna TJ**, Zhang JX: Care after the onset of serious illness: a novel claims-based dataset exploiting substantial cross-set linkages to study end-of-life care. *J Palliat Med.* 5(4): 515-529, 2002. PM12243676
11. **Iwashyna TJ**, Chang VW: Racial and ethnic differences in place of death: United States, 1993. *J Am Geriatr Soc.* 50(6): 1113-1117, 2002. PM12110074
12. **Iwashyna TJ**, Lamont EB: Effectiveness of adjuvant fluorouracil in clinical practice: a population-based cohort study of elderly patients with stage III colon cancer. *J Clin Oncol.* 20(19): 3992-3998, 2002. PM12351596
13. **Iwashyna TJ**, Brennan G, Zhang JX, Christakis NA.: Finding Married Couples in the Medicare Claims Data. *Health Serv Outcomes Res Methodol.* 3(1): 75-86, 2002.
14. **Iwashyna TJ**, Curlin FA, Christakis NA: Racial, ethnic, and affluence differences in elderly patients' use of

- teaching hospitals. *J Gen Intern Med.* 17(9): 696-703, 2002. PM12220366/PMC1495104
15. **Iwashyna TJ**, Chang VW, Zhang JX, Christakis NA: The lack of effect of market structure on hospice use. *Health Serv Res.* 37(6): 1531-1551, 2002. PM12546285/PMC1464044
  16. Christakis NA, **Iwashyna TJ**: The health impact of health care on families: a matched cohort study of hospice use by decedents and mortality outcomes in surviving, widowed spouses. *Soc Sci Med.* 57(3): 465-475, 2003. PM12791489
  17. **Iwashyna TJ**, Christakis NA: Marriage, widowhood, and health-care use. *Soc Sci Med.* 57(11): 2137- 2147, 2003. PM14512244
  18. **Iwashyna TJ**: On the detection of nursing home use in medicare claims. *Health Serv Outcomes Res Methodol.* 4(3): 187-196, 2003.
  19. **Iwashyna TJ**: Critical care use during the course of serious illness. *Am J Respir Crit Care Med.* 170(9): 981-986, 2004. PM15271691
  20. Han B, Remsburg RE, **Iwashyna TJ**: Differences in hospice use between black and white patients during the period 1992 through 2000. *Med Care.* 44(8): 731-737, 2006. PM16862034
  21. **Iwashyna TJ**, Christie JD.: Low use of durable medical equipment by chronically disabled elderly. *J Pain Symptom Manage.* 33(3): 324-330, 2007. PM17349502
  22. Rhodes KV, **Iwashyna TJ**.: Child injury risks are close to home: parent psychosocial factors associated with child safety. *Matern Child Health J.* 11(3): 269-275, 2007. PM17216351
  23. Netzer G, Shah CV, **Iwashyna TJ**, Lanken PN, Finkel B, Fuchs B, Guo W, Christie JD.: Association of RBC transfusion with mortality in patients with acute lung injury. *Chest.* 132(4): 1116-1123, 2007. PM17505028
  24. Kahn JM, Linde-Zwirble WT, Wunsch H, Barnato AE, **Iwashyna TJ**, Roberts MS, Lave JR, Angus DC: Potential value of regionalized intensive care for mechanically ventilated medical patients. *Am J Respir Crit Care Med.* 177(3): 285-291, 2008. PM18006884/PMC2218846
  25. Kahn JM, Asch RJ, **Iwashyna TJ**, Rubenfeld GD, Angus DC, Asch DA: Perceived barriers to the regionalization of adult critical care in the United States: a qualitative preliminary study. *BMC Health Serv Res.* 8: 239, 2008. PM19014704/PMC2603017
  26. Lott JP, **Iwashyna TJ**, Christie JD, Asch DA, Kramer AA, Kahn JM: Critical illness outcomes in specialty versus general intensive care units. *Am J Respir Crit Care Med.* Apr; 179(8): 676-683, 2009. PM19201923
  27. **Iwashyna TJ**, Kramer AA, Kahn JM: Intensive care unit occupancy and patient outcomes. *Crit Care Med.*37(5): 1545-1557, 2009. PM19325466/PMC2782597
  28. Kahn JM, Ten Have TR, **Iwashyna TJ**: The relationship between hospital volume and mortality in mechanical ventilation: an instrumental variable analysis. *Health Serv Res.* 44(3): 862-879, 2009. PM19674428/PMC2699912
  29. Kahn JM, Carson SS, Angus DC, Linde-Zwirble WT, **Iwashyna TJ**: Development and validation of an algorithm for identifying prolonged mechanical ventilation in administrative data. *Health Serv Outcomes Res Methodol.* 9(2): 117-132, 2009.
  30. Kahn JM, Asch RJ, **Iwashyna TJ**, Haynes K, Rubenfeld GD, Angus DC, Asch DA: Physician attitudes toward regionalization of adult critical care: a national survey. *Crit Care Med.* 37(7): 2149-2154, 2009. PM19455025
  31. **Iwashyna TJ**, Christie JD, Moody J, Kahn JM, Asch DA: The structure of critical care transfer networks. *Med Care.* 47(7): 787-93, 2009. PM19536030/PMC2760433
  32. Prasad M, **Iwashyna TJ**, Christie JD, Kramer AA, Silber JH, Volpp KG, Kahn JM: Effect of work-hours regulations on intensive care unit mortality in United States teaching hospitals. *Crit Care Med.* 37(9): 2564- 2569, 2009. PM19623042/PMC2849632
  33. Rhodes KV, **Iwashyna TJ**: Male perpetrators of intimate partner violence: support for health care interventions targeted at level of risk. *Behav Change.* 26(3): 174-189, 2009.
  34. Dine CJ, Bellini LM, **Iwashyna TJ**: Team effect on variation in laboratory utilization on subspecialty services. *Acad Med.* 84(SUPPL. 10): S63-S66, 2009. PM19907389
  35. **Iwashyna TJ**, Christie JD, Kahn JM, Asch DA: Uncharted paths: hospital networks in critical care. *Chest.*135(3): 827-833, 2009. PM19265091/PMC2692049
  36. Seymour CW, **Iwashyna TJ**, **Cooke CR**, Hough CL, Martin GS: Marital status and the epidemiology and outcomes of sepsis. *Chest.* 137(6): 1289-1296, 2010. PM20173054/PMC2881630
  37. Dine JC, Miller J, Fuld A, Bellini LM, **Iwashyna TJ**: Educating physicians-in-training about resource utilization and their own outcomes of care in the inpatient setting. *J Grad Med Educ.* 2(2): 175-180, 2010. PM21975616/PMC2941376
  38. Kahn JM, Benson NM, Appleby D, Carson SS, **Iwashyna TJ**: Long-term acute care hospital utilization after critical illness. *JAMA.* 303(22): 2253-2259, 2010. PM20530778/PMC3094575

39. Sasson C, Keirns CC, Smith D, Sayre M, Macy M, Meurer W, McNally BF, Kellermann AL, **Iwashyna TJ**, CARES (Cardiac Arrest Registry to Enhance Survival) Study Group: Small area variations in out-of-hospital cardiac arrest: does the neighborhood matter? *Ann Intern Med.* 153(1): 19-22, 2010. PM20516307/PMC3632370
40. Kahn JM, **Iwashyna TJ**: Accuracy of the discharge destination field in administrative data for identifying transfer to a long-term acute care hospital. *BMC Res Notes.* 3: 205, 2010. PM20663175/PMC2917437
41. **Iwashyna TJ**, Kahn JM, Hayward RA, Nallamotheu BK: Interhospital transfers among Medicare beneficiaries admitted for acute myocardial infarction at nonrevascularization hospitals. *Circ Cardiovasc Qual Outcomes.* 3(5): 468-475, 2010. PM20682917/PMC3103265
- Iwashyna TJ**, Ely EW, Smith DM, Langa KM: Long-term cognitive impairment and functional disability among survivors of severe sepsis. *JAMA.* 304(16): 1787-1794, 2010. PM20978258/PMC3345288
42. **Iwashyna TJ**, Fuld A, Asch DA, Bellini LM: The impact of residents, interns, and attendings on inpatient laboratory ordering patterns: a report from one university's hospitalist service. *Acad Med.* 86(1): 139-145, 2011. PM20938318
43. **Iwashyna TJ**, Fuld A, Asch DA, Bellini LM: The impact of residents, interns, and attendings on inpatient laboratory ordering patterns: a report from one university's hospitalist service. *Acad Med.* 86(1): 139-145, 2011. PM20938318
44. Nicholas LH, Langa KM, **Iwashyna TJ**, Weir DR: Regional variation in the association between advance directives and end-of-life Medicare expenditures. *JAMA.* 306(13): 1447-1453, 2011. PM21972306/PMC3332047
45. Kim C, Gebremariam A, **Iwashyna TJ**, Dalton VK, Lee JM: Longitudinal influences of friends and parents upon unprotected vaginal intercourse in adolescents. *Contraception.* 83(2): 138-144, 2011. PM21237339/PMC3052928
46. Nicholas LH, Dimick JB, **Iwashyna TJ**: Do hospitals alter patient care effort allocations under pay-for-performance? *Health Serv Res.* 46(1 PART 1): 61-81, 2011. PM21029088/PMC3034262
47. Netzer G, Liu X, Shanholtz C, Harris A, Verceles A, **Iwashyna TJ**: Decreased mortality resulting from a multicomponent intervention in a tertiary care medical intensive care unit. *Crit Care Med.* 39(2): 284-293, 2011. PM21076286/PMC3383659
48. Unnikrishnan KP, Patnaik D, **Iwashyna TJ**: Spatio-temporal Structure of US Critical Care Transfer Network. *AMIA Jt Summits Transl Sci Proc.* Mar; 2011: 74-78, 2011. PM22211183/PMC3248748
49. Miller MA, Arndt JL, Konkle MA, Chenoweth CE, **Iwashyna TJ**, Flaherty KR, Hyzy RC: A polyurethane cuffed endotracheal tube is associated with decreased rates of ventilator-associated pneumonia. *J Crit Care.* 26(3): 280-286, 2011. PM20655698/PMC4009728
50. Sasson C, Keirns CC, Smith DM, Sayre MR, Macy ML, Meurer WJ, McNally BF, Kellermann AL, **Iwashyna TJ**: Examining the contextual effects of neighborhood on out-of-hospital cardiac arrest and the provision of bystander cardiopulmonary resuscitation. *Resuscitation.* 82(6): 674-679, 2011. PM21458136/PMC3655549
51. Bosk EA, Veinot T, **Iwashyna TJ**: Which patients and where: a qualitative study of patient transfers from community hospitals. *Med Care.* 49(6): 592-598, 2011. PM21430581/PMC3103266
52. Cooke CR, Nallamotheu B, Kahn JM, Birkmeyer JD, **Iwashyna TJ**: Race and timeliness of transfer for revascularization in patients with acute myocardial infarction. *Med Care.* 49(7): 662-667, 2011. PM21677592/PMC3905793
53. Karkada UH, Adamic LA, Kahn JM, **Iwashyna TJ**: Limiting the spread of highly resistant hospital-acquired microorganisms via critical care transfers: a simulation study. *Intensive Care Med.* 37(10): 1633-1640, 2011. PM21850532/PMC3362134
54. Lyon SM, Benson NM, Cooke CR, **Iwashyna TJ**, Ratcliffe SJ, Kahn JM: The effect of insurance status on mortality and procedural use in critically ill patients. *Am J Respir Crit Care Med.* Oct; 184(7): 809-815, 2011. PM21700910/PMC3208649
55. Rakoski MO, McCammon RJ, Piette JD, **Iwashyna TJ**, Marrero JA, Lok AS, Langa KM, Volk ML: Burden of cirrhosis on older Americans and their families: analysis of the Health and Retirement Study. *Hepatology.* 55(1): 184-191, 2012. PM21858847/PMC3462487
56. Miller MA, Krein SL, Saint S, Kahn JM, **Iwashyna TJ**: Organisational characteristics associated with the use of daily interruption of sedation in US hospitals: a national study. *BMJ Qual Saf.* 21(2): 145-151, 2012. PM21949434/PMC4005254
57. Burke JE, Kerber KA, **Iwashyna TJ**, Morgenstern LB: Wide variation and rising utilization of stroke magnetic resonance imaging: data from 11 states. *Ann Neurol.* 71(2): 179-185, 2012. PM22367989/PMC3297973
58. Lane-Fall MB, **Iwashyna TJ**, Cooke CR, Benson NM, Kahn JM: Insurance and racial differences in long-term acute care utilization after critical illness. *Crit Care Med.* 40(4): 1143-1149, 2012. PM22020247
59. Miller MA, Bosk EA, **Iwashyna TJ**, Krein SL: Implementation challenges in the intensive care unit: The why,

- who, and how of daily interruption of sedation. *J Crit Care.* 27(2): 218.e1-218.e7, 2012. PM22227084/PMC3311754
60. **Iwashyna TJ**, Netzer G, Langa KM, Cigolle C: Spurious inferences about long-term outcomes: the case of severe sepsis and geriatric conditions. *Am J Respir Crit Care Med.* 185(8): 835-841, 2012. PM22323301/PMC3360570
  61. **Iwashyna TJ**, **Cooke CR**, Wunsch H, Kahn JM: Population burden of long-term survivorship after severe sepsis in older Americans. *J Am Geriatr Soc.* 60(6): 1070-1077, 2012. PM22642542/PMC3374893
  62. Kahn JM, Werner RM, Carson SS, **Iwashyna TJ**: Variation in long-term acute care hospital use after intensive care. *Med Care Res Rev.* 69(3): 339-350, 2012. PM22311957/PMC5503694
  63. Gershengorn HB, **Iwashyna TJ**, **Cooke CR**, Scales DC, Kahn JM, Wunsch H: Variation in use of intensive care for adults with diabetic ketoacidosis. *Crit Care Med.* 40(7): 2009-2015, 2012. PM22564962 /PMC3561634
  64. Davydow DS, Hough CL, Langa KM, **Iwashyna TJ**: Depressive symptoms in spouses of older patients with severe sepsis. *Crit Care Med.* 40(8): 2335-2341, 2012. PM22635049/PMC3670798
  65. **Cooke CR**, Kennedy EH, Wiitala WL, Almenoff PL, Sales AE, **Iwashyna TJ**: Despite variation in volume, Veterans Affairs hospitals show consistent outcomes among patients with non-postoperative mechanical ventilation. *Crit Care Med.* 40(9): 2569-2575, 2012. PM22732289
  66. Shaffer VA, Merkle EC, Fagerlin A, Griggs JJ, Langa KM, **Iwashyna TJ**: Chemotherapy was not associated with cognitive decline in older adults with breast and colorectal cancer: findings from a prospective cohort study. *Med Care.* 50(10): 849-855, 2012. PM22683591/PMC3444668
  67. Seymour CW, **Iwashyna TJ**, Ehlenbach WJ, Wunsch H, **Cooke CR**: Hospital-level variation in the use of intensive care. *Health Serv Res.* 47(5): 2060-2080, 2012. PM22985033/PMC3513618
  68. Veinot TC, **Bosk EA**, Unnikrishnan KP, **Iwashyna TJ**: Revenue, relationships, and routines: The social organization of acute myocardial infarction patient transfers in the United States. *Soc Sci Med.* 75(10): 1800-1810, 2012. PM22884942/PMC3626995
  69. Davydow DS, Hough CL, Langa KM, **Iwashyna TJ**: Presepsis depressive symptoms are associated with incident cognitive impairment in survivors of severe sepsis: a prospective cohort study of older Americans. *J Am Geriatr Soc.* 60(12): 2290-2296, 2012. PM23176643/PMC3521098
  70. Wagner J, **Iwashyna TJ**, Kahn JM: Reasons underlying interhospital transfers to an academic medical intensive care unit. *J Crit Care.* 28(2): 202-208, 2013. PM23084130/PMC3554843
  71. Davydow DS, Hough CL, Levine DA, Langa KM, **Iwashyna TJ**: Functional disability, cognitive impairment, and depression after hospitalization for pneumonia. *Am J of Med.* 126(7): 615-624, 2013. PM23499326/PMC3690157
  72. Rubinson L, Mutter R, Viboud C, Hupert N, Uyeki T, Creanga A, Finelli L, **Iwashyna TJ**, Carr B, Merchant R, Katikineni D, Vaughn F, Clancy C, Lurie N: Impact of the fall 2009 influenza A(H1N1)pdm09 pandemic on US hospitals. *Med Care.* Mar 51(3): 259-265, 2013. PM23295577/PMC6669026
  73. Rohde JM, Odden AJ, Bonham C, Kuhn L, Malani PN, Chen LM, Flanders SA, **Iwashyna TJ**: The epidemiology of acute organ system dysfunction from severe sepsis outside of the intensive care unit. *J Hosp Med.* 8(5): 243-247, 2013. PM23401431/PMC3650104
  74. Davydow DS, Hough CL, Langa KM, **Iwashyna TJ**: Symptoms of depression in survivors of severe sepsis: a prospective cohort study of older americans. *Am J of Geriatr Psychiatry.* 21(9): 887-897, 2013. PM23567391/PMC3462893
  75. Horwitz JR, Nichols A, Nallamotheu BK, **Sasson C**, **Iwashyna TJ**: Expansion of invasive cardiac services in the United States. *Circulation.* 128(8): 803-810, 2013. PM23877256/PMC3938331
  76. **Miller MA**, Krein SL, George CT, Watson SR, Hyzy RC, **Iwashyna TJ**: Diverse attitudes to and understandings of spontaneous awakening trials: results from a statewide quality improvement collaborative. *Crit Care Med.* 41(8): 1976-1982, 2013. PM23782968/PMC3716863
  77. Odden AJ, Rohde JM, Bonham C, Kuhn L, Malani PN, Chen LM, Flanders SA, **Iwashyna TJ**: Functional outcomes of general medical patients with severe sepsis. *BMC Infect Dis.* 13: 588, 2013. PM24330544/PMC3924161
  78. **Skolarus LE**, Morgenstern LB, Zahuranec DB, **Burke JE**, Langa KM, **Iwashyna TJ**: Acute care and long-term mortality among elderly patients with intracerebral hemorrhage who undergo chronic life-sustaining procedures. *J Stroke Cerebrovasc Dis.* 22(1): 15-21, 2013. PM21719309/PMC3202018
  79. Rosenberg AA, Haft JW, Bartlett R, **Iwashyna TJ**, Huang SK, Lynch WR, Napolitano LM: Prolonged duration ECMO for ARDS: Futility, native lung recovery, or transplantation? *ASAIO J.* 59(6): 642-650, 2013. PM24172270
  80. **Iwashyna TJ**, Odden A, Rohde J, Bonham C, Kuhn L, Malani P, Chen L, Flanders S: Identifying patients with severe sepsis using administrative claims: patient-level validation of the angus implementation of the international

- consensus conference definition of severe sepsis. *Med Care*. 52(6): e39-e43, 2014. PM23001437/PMC3568444
81. Lomi A, Mascia D, Vu DQ, Pallotti F, Conaldi G, **Iwashyna TJ**: Quality of care and interhospital collaboration: a study of patient transfers in Italy. *Med Care*. 52(5): 407-414, 2014. PM24714579/PMC4036796
  82. **Govindan S, Iwashyna TJ**, Watson SR, Hyzy RC, **Miller MA**: Issues of survivorship are rarely addressed during intensive care unit stays: baseline results from a statewide quality improvement collaborative. *Ann Am Thorac Soc*. 11(4): 587-591, 2014. PM24605936/PMC4225798
  83. Nicholas LH, Bynum JP, **Iwashyna TJ**, Weir DR, Langa KM: Advance directives and nursing home stays associated with less aggressive end-of-life care for patients with severe dementia. *Health Aff*. 33(4): 667- 674, 2014. PM24711329/PMC4159465
  84. **Prescott HC**, Chang VW, O'Brein JM, Langa KM, **Iwashyna TJ**: Obesity and 1-year outcomes in older Americans with severe sepsis. *Crit Care Med*. 42(8): 1766-1774, 2014. PMC4205159
  85. Kahn JM, Cicero BD, Wallace DJ, **Iwashyna TJ**: Adoption of ICU telemedicine in the United States. *Crit Care Med*. 42(2): 362-368, 2014. PM24145839/PMC3947050
  86. Reineck LA, Pike F, Le TQ, Cicero BD, **Iwashyna TJ**, Kahn JM: Hospital factors associated with discharge bias in ICU performance measurement. *Crit Care Med*. 42(5): 1055-1064, 2014. PM24394628
  87. **Govindan S**, Shapiro L, Langa KM, **Iwashyna TJ**: Death certificates underestimate infections as proximal causes of death in the U.S. *PLoS One*. 9(5): e97714, 2014. PM24878897/PMC4039437
  88. **Prescott HC**, Langa KM, **Liu V**, Escobar GJ, **Iwashyna TJ**: Increased 1-year healthcare use in survivors of severe sepsis. *Am J Respir Crit Care Med*. 190(1): 62-69, 2014. PM24872085/PMC4226030
  89. **Liu V**, Escobar GJ, Greene JD, Soule J, Whippy A, Angus DC, **Iwashyna TJ**: Hospital deaths in patients with sepsis from 2 independent cohorts. *JAMA*. 312(1): 90-92, 2014. PM24838355
  90. **Liu V**, Lei X, **Prescott HC**, Kipnis P, **Iwashyna TJ**, Escobar GJ: Hospital readmission and healthcare utilization following sepsis in community settings. *J Hosp Med*. 9(8): 502-507, 2014. PM24700730/PMC4241549
  91. **Schoenfeld AJ**, Tipirneni R, Nelson JH, Carpenter JE, **Iwashyna TJ**: The influence of race and ethnicity on complications and mortality after orthopedic surgery: A systematic review of the literature. *Med Care*. 52(9): 842-851, 2014. PM25100230
  92. **Prescott HC**, **Sjoding MW**, **Iwashyna TJ**: Diagnoses of early and late readmissions after hospitalization for pneumonia: A systematic review. *Ann Am Thorac Soc*. 11(7): 1091-1100, 2014. PM25079245/PMC4214054
  93. Davydow DS, Zivin K, Katon WJ, Pontone GM, Chwastiak L, Langa KM, **Iwashyna TJ**: Neuropsychiatric disorders and potentially preventable hospitalizations in a prospective cohort study of older americans. *J Gen Intern Med*. 29(10): 1362-1371, 2014. PM24939712/PMC4175651
  94. Levine DA, Davydow DS, Hough CL, Langa KM, Rogers MA, **Iwashyna TJ**: Functional disability and cognitive impairment after hospitalization for myocardial infarction and stroke. *Circ Cardiovasc Qual Outcomes*. 7(6): 863-871, 2014. PM25387772/PMC4241126
  95. **Sjoding MW**, Luo K, **Miller MA**, **Iwashyna TJ**: When do confounding-by-indication and inadequate risk adjustments bias critical care studies? A simulation study. *Crit Care*. 19(1): 195, 2015. PMC4432515
  96. **Iwashyna TJ**, **Burke JF**, Sussman JB, **Prescott HC**, Hayward RA, Angus DC: Implications of heterogeneity of treatment for reporting and analysis of randomized trials in critical care. *Am J Resp Crit Care Med*. 192(9): 1045-1051, 2015. PMC4642199
  97. **Kramer RD**, **Cooke CR**, **Liu V**, Miller III RR, **Iwashyna TJ**: Variation in the contents of sepsis bundles and quality measures: a systematic review. *Ann Am Thorac Soc*. 12(11): 1676-1684, 2015. PMC4724896
  98. **Govindan S, Iwashyna TJ**, Odden A, Flanders S, Chopra V: Mobilization in severe sepsis: an integrative review. *J Hosp Med*. 10(1): 55-59, 2015. PMC4355156
  99. Patterson OV, Jones M, Yao Y, Viernes B, Alba PR, **Iwashyna TJ**, DuVall SL: Extraction of Vital Signs from Clinical Notes. *Stud Health Technol Inform*. 216: 1035, 2015. PM26262334
  100. **Prescott HC**, Langa KM, **Iwashyna TJ**: Readmission diagnoses after hospitalization for severe sepsis and other acute medical conditions. *JAMA*. 313(10): 1055-1057, 2015. PM25756444/PMC4760618
  101. **Sjoding MW, Iwashyna TJ**, Dimick JB, **Cooke CR**: Gaming hospital-level pneumonia 30-day mortality and readmission measures by legitimate changes to diagnostic coding. *Crit Care Med*. Sep 43(5): 989-995, 2015. PM25746747/PMC4617210
  102. Casalino LP, Pesko MF, Ryan AM, Nyweide DJ, **Iwashyna TJ**, Sun X, Mendelsohn J, Moody J: Physician networks and ambulatory care-sensitive admissions. *Med Care*. 53(6): 534-541, 2015. PM25906013
  103. **Sjoding MW, Prescott HC**, Wunsch H, **Iwashyna TJ**, **Cooke CR**: Hospitals with the highest intensive care utilization provide lower quality pneumonia to the elderly. *Crit Care Med*. 43(6): 1178-1186, 2015. PMC4769869
  104. Odden AJ, **Govindan S**, Sheth J, **Iwashyna TJ**: A systematic assessment of the surviving sepsis campaign's

- evidence supporting the care of patients with severe sepsis on the wards. *Ann Am Thorac Soc.* 12(6): 956-958, 2015. PM26075559/PMC5802690
105. Sjoding MW, Prescott HC, Wunsch H, **Iwashyna TJ**, Cooke CR: Hospitals with the Highest Intensive Care Utilization Provide Lower Quality Pneumonia Care to the Elderly. *Crit Care Med.* 43(6): 1178-1186, 2015. PM25760660/PMC4769869
  106. Miller MA, Govindan S, Watson SR, Hyzy RC, **Iwashyna TJ**: ABCDE, but in that order? A cross-sectional survey of Michigan intensive care unit sedation, delirium, and early mobility practices. *Ann Am Thorac Soc.* 12(7): 1066-1071, 2015. PM25970737/PMC4566406
  107. Prescott HC, Kepreos KM, Wiitala WL, **Iwashyna TJ**: Temporal changes in the influence of hospitals and regional healthcare networks on severe sepsis mortality. *Crit Care Med.* 43(7): 1368-1374, 2015. PM25803652/PMC4470811
  108. **Iwashyna TJ**, Hodgson CL, Pilcher D, Bailey M, Bellomo R: Persistent critical illness characterised by Australian and New Zealand ICU clinicians. *Crit Care Resusc.* 17(3): 153-158, 2015. PM26282252
  109. Prescott HC, Dickson RP, Rogers MA, Langa KM, **Iwashyna TJ**: Hospitalization type and subsequent severe sepsis. *Am J Respir Crit Care Med.* 192(5): 581-588, 2015. PM26016947/PMC4595694
  110. Angus DC, Barnato AE, Bell D, Bellomo R, Chong CR, Coats TJ, Davies A, Delaney A, Harrison DA, Holdgate A, Howe B, Huang DT, **Iwashyna T**, Kellum JA, Peake SL, Pike F, Reade MC, Rowan KM, Singer M, Webb SA, Weissfeld LA, Yealy DM, Young JD: A systematic review and meta-analysis of early goal-directed therapy for septic shock: the ARISE, ProCESS and ProMISe Investigators. *Intensive Care Med.* 41(9): 1549-1560, 2015. PM25952825
  111. Valley TS, Sjoding MW, Ryan AM, **Iwashyna TJ**, Cooke CR: Association of intensive care unit admission with mortality among older patients with pneumonia. *JAMA.* 314(12): 1272-1279, 2015. PM26393850/PMC4758179
  112. Kramer RD, Cooke CR, Liu V, Miller 3rd RR, **Iwashyna TJ**: Variation in the contents of sepsis bundles and quality measures: A systematic review. *Ann Am Thorac Soc.* 12(11): 1676-1684, 2015. PM26397842/PMC4724896
  113. Admon AJ, Wunsch H, **Iwashyna TJ**, Cooke CR: Hospital contributions to variability in the use of intensive care units among elderly Medicare recipients. *Crit Care Med.* 45(1): 75-84, 2016. PMC5669057
  114. **Iwashyna TJ**, Speelman EC.: Advancing a Third Revolution in Critical Care. *Am J Respir Crit Care Med.* 194(7): 782-783, 2016. PM27689702
  115. Sjoding MW, Valley TS, Prescott HC, Wunsch H, **Iwashyna TJ**, Cooke CR: Rising billing for intermediate intensive care among hospitalized Medicare beneficiaries between 1996 and 2010. *Am J Respir Crit Care Med.* 193(2): 163-170, 2016. PM26372779/PMC4731714
  116. Govindan S, **Iwashyna TJ**: Web Exclusives. Annals for Hospitalists Inpatient Notes - Sepsis-3 for Hospitalists- Sepsis Without SIRS. *Ann Intern Med* 165(4): HO2-3, 2016. PM27538174
  117. Singer BH, Newstead MW, Zeng X, Cooke CL, Thompson RC, Singer K, Ghantasala R, Parent JM, Murphy GG, **Iwashyna TJ**, Standiford TJ: Cecal ligation and puncture results in long-term central nervous system myeloid inflammation. *PLoS One.* 11(2): e0149136, 2016. PM26862765/PMC4749127/PM26862765
  118. Seymour CW, Liu VX, **Iwashyna TJ**, Brunkhorst FM, Rea TD, Scherag A, Rubenfeld G, Kahn JM, Shankar-Hari M, Singer M, Deutschman CS, Escobar GJ, Angus DC: Assessment of clinical criteria for sepsis for the third international consensus definitions for sepsis and septic shock (sepsis-3). *JAMA.* 315 (8): 762-774, 2016. PM26903335/PMC5433435
  119. Chan PS, Krein SL, Tang F, **Iwashyna TJ**, Harrod M, Kennedy M, Leirich J, Kronick S, Nallamothu BK: Resuscitation practices associated with survival after in-hospital cardiac arrest: a nationwide survey. *JAMA Cardiol.* 1(2): 189-197, 2016. PMC5745254
  120. Prescott HC, Osterholzer JJ, Langa KM, Angus DC, **Iwashyna TJ**: Late mortality after sepsis: propensity matched cohort study. *BMJ.* 353: i2375, 2016. PM27189000/PMC4869794
  121. Tipping CJ, Bailey M, Bellomo R, Berney S, Buhr H, Denehy L, Harold M, Holland A, Higgins A, **Iwashyna TJ**, Needham D, Presnelli J, Saxena M, Skinner E, Webb S, Young P, Zanni J, Hodgson CL: The ICU mobility scale has construct and predictive validity and is responsive: a multi-centre observational study. *Ann Am Thoracic Soc.* 13(6): 887-893, 2016. PM27015233
  122. Hodgson CL, Bailey M, Bellomo R, Berney S, Buhr H, Denehy L, Gabbe B, Harrold M, Higgins A, **Iwashyna TJ**, Papworth R, Parke R, Patman S, Presneill J, Saxena M, Skinner E, Tipping C, Young P, Webb S: A binational multicenter pilot feasibility randomized controlled trial of early goal-directed mobilization in the ICU. *Crit Care Med.* 44(6): 1145-1152, 2016. PM26968024
  123. **Iwashyna TJ**, Hodgson CL, Pilcher D, Bailey M, van Lint A, Chavan S, Bellomo R: Timing of onset and burden of persistent critical illness in Australia and New Zealand: a retrospective, population-based, observational study.

- Lancet Respir Med.* 4(7): 586-573, 2016. PM27155770
124. Sjoding MW, Cooke CR, **Iwashyna TJ**, Hofer TP: Acute respiratory distress syndrome measurement error. Potential effect on clinical study results. *Ann Am Thorac Soc.* 13(7): 1123-1128, 2016. PMC5015753
  125. Sjoding MW, Prescott HC, Wunsch H, **Iwashyna TJ**, Cooke CR: Longitudinal changes in ICU admissions among elderly patients in the United States. *Crit Care Med.* 44(7): 1353-1360, 2016. PM26968023/PMC4911310
  126. **Iwashyna TJ**, Deane A: Individualizing endpoints in randomized clinical trials to better inform individual patient care: the TARGET proposal. *Crit Care.* 20(1): 218, 2016. PMC4971746
  127. Byhoff E, Harris JA, Langa KM, **Iwashyna TJ**: Racial and Ethnic Differences in End-of-Life Medicare Expenditures. *J Am Geriatr Soc.* 64(9): 1789-1797, 2016. PM27588580/PMC5237584
  128. Gomez D, Haas B, Larsen K, Alali AS, MacDonald RD, Singh JM, Tien H, **Iwashyna TJ**, Rubenfeld G, Nathens AB: A novel methodology to characterize inter-facility transfer strategies in a trauma transfer network. *J Trauma Acute Care Surg.* 81(4): 658-665, 2016. PM27488492
  129. Sausser Zachrisson K, **Iwashyna TJ**, Gebremariam A, Hutchins M, Lee JM: Can longitudinal generalized estimating equation models distinguish network influence and homophily? An agent-based modeling approach to measurement characteristics. *BMC Med Res Meth.* 16(1): 174, 2016. PMC5192582
  130. Meddings J, Recihert H, Smith SN, **Iwashyna TJ**, Langa KM, Hofer TP, McMahon Jr LF: The impact of disability and social determinants of health on condition-specific readmissions beyond Medicare risk adjustments: a cohort study. *J Gen Intern Med.* 32(1): 71-80, 2017. PMC5215164
  131. Sjoding MW, Schoenfeld DA, Brown SM, Hough CL, Yealy DM, Moss M, Angus DC, **Iwashyna TJ**, for the NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) Network: Power calculations to select instruments for clinical trial secondary endpoints: a case study of instrument selection for post- traumatic stress symptoms in subjects with acute respiratory distress syndrome. *Ann Am Thorac Soc.* 14 (1): 110-117, 2017. PMC5291478
  132. Huang DT, Angus DC, Moss M, Thompson BT, Ferguson ND, Ginde A, Gong MN, Gundel S, Hayden DL, Hite RD, Hou PC, Hough CL, **Iwashyna TJ**, Liu KD, Talmor DS, Yealy DM; Reevaluation of Systemic Early Neuromuscular Blockade Protocol Committee and the National Institutes of Health National Heart, Lung, and Blood Institute Prevention and Early Treatment of Acute Lung Injury Network Investigators.: Design and rationale of the Reevaluation Of Systemic Early neuromuscular blockade (ROSE) trial for acute respiratory distress syndrome. *Ann Am Thorac Soc.* 14(1): 124-133, 2017. PMC5291480
  133. Brilleman SL, Wolfe R, Morena-Betancur M, Sales AE, Langa KM, Li Y, Daugherty Biddison EL, Rubinson L, **Iwashyna TJ**: Associations between community-level disaster exposure and individual-level changes in disability and risk of death for older Americans. *Soc Sci Med.* 173: 118-125, 2017. PMID27960126/PMC5222547
  134. Govindan S, Chopra V, **Iwashyna TJ**: Do clinicians understand quality metric data? An evaluation in a twitter-derived sample. *J Hosp Med.* 12: 18-22, 2017. PM28125827/PMC5831191
  135. DeMerle KM, Vincent BM, **Iwashyna TJ**, Prescott HC: Increased healthcare facility use in veterans surviving sepsis hospitalization. *J Crit Care* 42: 59-64, 2017. PM28688238/PMC5733730
  136. Prescott HC, Sjoding MW, Langa KM, **Iwashyna TJ**, McAuley DF: Late mortality after acute hypoxic respiratory failure. *Thorax*: 2017. PM28780503/PMC5799038
  137. Azoulay E, Vincent JL, Angus DC, Arabi YM, Brochard L, Brett SJ, Citerio G, Cook DJ, Curtis JR, Dos Santos CC, Ely EW, Hall J, Halpern SD, Hart N, Hopkins RO, **Iwashyna TJ**, Jaber S, Latronico N, Mehta S, Needham DM, Nelson J, Puntillo K, Quintel M, Rowan K, Rubenfeld G, Van den Berghe G, Van der Hoeven J, Wunsch H, Herridge M: Recovery after critical illness: putting the puzzle together-a consensus of 29. *Crit Care* 21(1): 296, 2017. PM29208005/PMC5718148
  138. Seymour CW, Gesten F, Prescott HC, Friedrich ME, **Iwashyna TJ**, Phillips GS, Lemeshow S, Osborn T, Terry KM, Levy MM: Time to Treatment and Mortality during Mandated Emergency Care for Sepsis. *N Engl J Med.* 376(23): 2235-2244, 2017. PM28528569/PMC5538258
  139. Hodgson CL, Turnbull AE, **Iwashyna TJ**, Parker A, Davis W, Bingham III CO, Watts N, Finfer S, Needham DM: Core domains in evaluating patient outcomes after acute respiratory failure: international multidisciplinary clinician consultation. *Phys Ther.* 97(2): 168-174, 2017. PM28204767/PMC5804020
  140. Arigo M, Kaya E, Parenica J, Ishihara J, Choi D-J, Park JJ, Sato N, Miro O, Maggioni A, Zhang Y, Spinar J, Cohen-Solal A, **Iwashyna TJ**, Mebazaa A: Precipitating factors and 90-day outcome of acute heart failure: a report from the intercontinental GREAT registry. *Eur J Heart Fail.* 19(2): 201-208, 2017. PM27790819
  141. Bucy RA, Hanisko KA, Kamphius LA, Nallamotheu BK, **Iwashyna TJ**, Pfeiffer PN: Suicide risk management protocol in post-cardiac arrest survivors: development, feasibility, and outcomes. *Ann Am Thorac Soc.* Mar 14(3): 363-367, 2017. PM27983865



142. Sukul D, Kamphuis LA, **Iwashyna TJ**, Bradley SM, Chan PS, Sinha SS, Nallamothu BK: Clinical documentation of in-hospital cardiac arrest in a large national health system. *Resuscitation*. 112: e9-e10, 2017. PMID28087287/PMC5699898
143. Spencer-Segal JL, Hyzy RC, **Iwashyna TJ**, Standiford TJ: Psychiatric symptoms in survivors of the acute respiratory distress syndrome: effects of age, sex, and immune modulation. *Ann Am Thorac Soc*. 14(6): 960-967, 2017. PMID28358594/PMC5566303
144. Valley TS, Sjoding MW, Ryan AM, **Iwashyna TJ**, Cooke CR: Intensive Care Unit Admission and Survival among Older Patients with Chronic Obstructive Pulmonary Disease, Heart Failure, or Myocardial Infarction. *Ann Am Thorac Soc*. Jun 14(6): 943-951, 2017. PMC5566309
145. Seymour CW, Gersten F, Prescott HC, Friedrich ME, **Iwashyna TJ**, Phillips GS, Lemeshow S, Osborn T, Terry KM, Levy MM: Time to treatment and mortality during mandated emergency care for sepsis. *New Engl J Med*. 376(23): 2235-2244, 2017. PMC5538258
146. Deane AM, Hodgson CL, Young P, Little L, Singh V, Poole A, Young M, Mackle D, Lange K, Williams P, Chapman MJ, **Iwashyna TJ**: The rapid and accurate categorisation of critically ill patients (RACE) to identify outcomes of interest for longitudinal studies: a feasibility study. *Anaesth Intensive Care*. 45(4): 476-484, 2017. PM28673218
147. Hodgson CL, Udy AA, Bailey M, Barrett J, Bellomo R, Bucknall T, Gabbe BJ, Higgins AM, **Iwashyna TJ**, Hunt-Smith J, Murray LJ, Myles PS, Ponsford J, Pilcher D, Walker C, Young M, Cooper DJ: The impact of disability in survivors of critical illness. *Intensive Care Med*. 43(7): 992-1001, 2017. PM28534110
148. Costa DK, White M, Ginier E, Manojlovich M, Govindan S, **Iwashyna TJ**, Sales AE: Identifying barriers to delivering the ABCDE bundle to minimize adverse outcomes for mechanically ventilated patients: a systematic review. *Chest*. 152(2): 304-311, 2017. PMC5554074
149. Sinha SS, Sjoding MW, Sukul D, Prescott HC, **Iwashyna TJ**, Gurm HS, Cooke CR, Nallamothu BK: Changes in primary non-cardiac diagnoses over time among elderly cardiac intensive care unit patients in the United States. *Circ Cardiovasc Qual Outcomes*. 10(8): e003616, 2017. PMC5657300
150. Viglianti EM, Prescott HC, Liu V, Escobar GJ, **Iwashyna TJ**: Individual and health system variation in re-hospitalizations in the year after pneumonia. *Medicine (Baltimore)*. 96(31): e7695, 2017. PMC5626157
151. Prescott HC, Sjoding MW, Langa KM, **Iwashyna TJ**, McAuley D: Late mortality after acute hypoxic respiratory failure. *Thorax*. 0: 0, 2017. PM28780503/PMC5799038
152. Bell SA, Abir M, Choi HJ, Cooke CR, **Iwashyna TJ**: All-cause hospital admissions among older adults after a natural disaster. *Annals Emerg Med*: 2017. (In Press) PM28789804
153. Gluck S, Chapple L-A S, Chapman MJ, **Iwashyna TJ**, Deane AM: A scoping review to determine the use of wearable devices to evaluate outcomes in survivors of critical illness. *Crit Care Resusc*. 19(3): 197-204, 2017. PM28866969
154. Liu V, Fielding-Singh V, Greene JD, Baker JM, **Iwashyna TJ**, Bhattacharya J, Escobar G: The Timing of Early Antibiotics and Hospital Mortality in Sepsis. *Am J Resp Crit Care Med*. 196(7): 856-863, 2017. PMC5649973
155. Gluck S, Summers MJ, Goddard TP, Andrawos A, Smith NC, Lange K, **Iwashyna TJ**, Deane AM: Wide disagreement between alternative assessments of pre-morbid physical activity: subjective patient and surrogate reports and objective smartphone data. *Crit Care Med*. 45(10): e1036-e1042, 2017. PM28915184
156. Rhee C, Dantes R, Epstein L, Murphy DJ, Seymour CW, **Iwashyna TJ**, Kadri SS, Angus DC, Danner RL, Fiore A, Jernigan JA, Martin GS, Septimus E, Warren DK, Karcz A, Chan C, Menchaca JT, Wang R, Gruber S, Klompas M, & 1 others: Incidence and Trends of Sepsis in US Hospitals Using Clinical vs Claims Data, 2009-2014. *JAMA*. 318(13): 1241-1249, 2017. PMC5710396
157. Bradley SM, Kaboli P, Kamphuis LA, Chan PS, **Iwashyna TJ**, Nallamothu BK: Temporal trends and hospital-level variation of in-hospital cardiac arrest incidence and outcomes in the veterans health administration. *Am Heart J*. 193: 117-123, 2017. PM29129250
158. Villapiano N, **Iwashyna TJ**, Davis MM: Worsening Rural-Urban Gap in Hospital Mortality. *J Am Board Fam Med*. 30(6): 816-823, 2017. PM29180557
159. McPeake J, Shaw M, **Iwashyna TJ**, Daniel M, Jarvie L, Kinsella J, MacTavish P, Quasim T: Intensive Care Syndrome: Promoting Independence and Return to Employment (InS:PIRE). Early evaluation of a complex intervention. *PLoS One*. 12(11): e0188028, 2017. PMC5706708
160. DeMerle K, Vincent B, **Iwashyna TJ**, Prescott HC: Increased healthcare facility use in veterans surviving sepsis hospitalization. *J Crit Care*. 42: 59-64, 2017. PMC5733730
161. Hodgson CL, Udy AA, Bailey M, Barrett J, Bellomo R, Bucknall T, Gabbe BJ, Higgins AM, **Iwashyna TJ**, Hunt-Smith J, Murray LJ, Myles PS, Ponsford J, Pilcher D, Walker C, Young M, Cooper DJ.: Erratum to: The impact

- of disability in survivors of critical illness. *Intensive Care Med.* 43(12): 1938, 2017. PM28916987
162. Chang VW, Langa KM, Weir D, **Iwashyna TJ**: The obesity paradox and incident cardiovascular disease: A population-based study. *PLoS One.* 12(12): e0188636, 2017. PMC5720539
  163. Levy MM, Gesten FC, Phillips GS, Terry KM, Seymour CW, **Prescott HC**, Friedrich M, **Iwashyna TJ**, Osborn T, Lemeshow S: Mortality Changes Associated with Mandated Public Reporting for Sepsis. The Results of the New York State Initiative. *Am J Respir Crit Care Med* 198(11): 1406-1412, 2018. PM30189749/PMC6290949
  164. Bagshaw SM, Stelfox HT, **Iwashyna TJ**, Bellomo R, Zuege D, Wang X: Timing of onset of persistent critical illness: a multi-centre retrospective cohort study. *Intensive Care Med.* 44(12): 2134-2144, 2018. PM30421256
  165. Darvall JN, Pilcher D, Bellomo R, Zampieri FG, **Iwashyna TJ**, **Viglianti EM**, Soares M: Discussion about "Association of frailty with short-term outcomes, organ support and resource use in critically ill patients". *Intensive Care Med.* 44(11): 2014-2016, 2018. PM30324286
  166. **Prescott HC**, Cope TM, Gesten FC, Ledneva TA, Friedrich ME, **Iwashyna TJ**, Osborn TM, Seymour CW, Levy MM: Reporting of Sepsis Cases for Performance Measurement Versus for Reimbursement in New York State. *Crit Care Med.* 46(5): 666-673, 2018. PM29406420/PMC5899037
  167. **Viglianti EM**, **Kramer R**, Admon AJ, **Sjoding MW**, Hodgson CL, Bellomo R, **Iwashyna TJ**: Late organ failures in patients with prolonged intensive care unit stays. *J Crit Care* 46: 55-57, 2018. PM29684773/PMC6014899
  168. **Sjoding MW**, Iwashyna TJ: Response. *Chest* 154(1): 227-228, 2018. PM30044740
  169. **Sjoding MW**, Hofer TP, Co I, Courey A, **Cooke CR**, **Iwashyna TJ**: Interobserver Reliability of the Berlin ARDS Definition and Strategies to Improve the Reliability of ARDS Diagnosis. *Chest* 153(2): 361-367, 2018. PM29248620/PMC5815873
  170. **Govindan S**, Wallace B, **Iwashyna TJ**, Chopra V: Do Experts Understand Performance Measures? A Mixed-Methods Study of Infection Preventionists. *Infect Control Hosp Epidemiol* 39(1): 71-76, 2018. PM29202884
  171. **Costa DK**, **Valley TS**, **Miller MA**, Manojlovich M, Watson SR, McLellan P, Pope C, Hyzy RC, **Iwashyna TJ**: ICU team composition and its association with ABCDE implementation in a quality collaborative. *J Crit Care* 44: 1-6, 2018. PM28978488/PMC5831474
  172. **Viglianti EM**, **Iwashyna TJ**, Winkelman TNA: Mass Incarceration and Pulmonary Health: Guidance for Clinicians. *Ann Am Thorac Soc* 15(4): 409-412, 2018. PM29406769/PMC5879143
  173. **Iwashyna TJ**, **Viglianti EM**: Patient and Population-Level Approaches to Persistent Critical Illness and Prolonged Intensive Care Unit Stays. *Crit Care Clin* 34(4): 493-500, 2018. PM30223989/PMC6146412
  174. **Haines KJ**, Beesley SJ, Hopkins RO, **McPeake J**, Quasim T, Ritchie K, **Iwashyna TJ**: Peer Support in Critical Care: A Systematic Review. *Crit Care Med.* 46(9): 1522-1531, 2018. PM29957717
  175. Kerlin MP, Epstein A, Kahn JM, **Iwashyna TJ**, Asch DA, Harhay MO, Ratcliffe SJ, Halpern SD: Physician-Level Variation in Outcomes of Mechanically Ventilated Patients. *Ann Am Thorac Soc* 15(3): 371-379, 2018. PM29283699/PMC5880524
  176. Schuler A, Wulf DA, Lu Y, **Iwashyna TJ**, Escobar GJ, Shah NH, **Liu VX**: The Impact of Acute Organ Dysfunction on Long-Term Survival in Sepsis. *Crit Care Med.* 46(6): 843-849, 2018. PM29432349/PMC5953770
  177. Nallamotheu BK, Guetterman TC, Harrod M, Kellenberg JE, Lechrich JL, Kronick SL, Krein SL, **Iwashyna TJ**, Saint S, Chan PS: How Do Resuscitation Teams at Top-Performing Hospitals for In-Hospital Cardiac Arrest Succeed? A Qualitative Study. *Circulation* 138(2): 154-163, 2018. PM29986959/PMC6245659
  178. **Govindan S**, Prenovost K, Chopra V, **Iwashyna TJ**: A comprehension scale for central-line associated bloodstream infection: Results of a preliminary survey and factor analysis. *PLoS One* 13(9): e0203431, 2018. PM30212486/PMC6136729
  179. Quasim T, Shaw M, **McPeake J**, Hughes M, **Iwashyna TJ**: Safety of Extubating Mechanically Ventilated Patients Receiving Vasoactive Infusions: A Retrospective Cohort Study. *Am J Respir Crit Care Med.* 198 (8): 1093-1096, 2018. PM29953248
  180. **Govindan S**, **Prescott HC**, Chopra V, **Iwashyna TJ**: Sample size implications of mortality definitions in sepsis: a retrospective cohort study. *Trials.* 19(1): 198, 2018. PM29587803/PMC5870299
  181. **Valley TS**, Nallamotheu BK, Hueng M, **Iwashyna TJ**, **Cooke CR**: Hospital variation in renal replacement therapy for sepsis in the United States *Crit Care Med.* 46(2): e158-e165, 2018. PMID29206766/PMC5771975
  182. Vincent BM, Wiitala WL, Burns JA, **Iwashyna TJ**, **Prescott HC**: Using Veterans Affairs Corporate Data Warehouse to identify 30-day hospital readmissions. *HSORM*: in press, 2018. (In Press)
  183. Sanmartin C, Reicker A, Dasylva A, Rotermann M, Jeon SH, Fransoo R, Wunsch H, Scales DC, **Iwashyna TJ**, Stegner M, Garland A: Data Resource Profile: Canadian Hospitalization and Taxation Database (C-HAT). *Int. J. Epidemiol.*: 2018. (In Press) PMID29590346/
  184. Nallamotheu BK, Guetterman TC, Harrod M, Kellenberg JE, Lechrich JL, Kronick SL, Krein SL, **Iwashyna TJ**,

- Saint S, Chan PS.: How do Resuscitation Teams at Top-Performing Hospitals for In-Hospital Cardiac Arrest Succeed? A Qualitative Study. *Circulation*. 138(2): 154-163, 2018. PMID29986959/PMC6245659
185. Zampieri FG, **Iwashyna TJ**, Viglianti EM, Taniguchi LU, Viana WN, Costa R, Corrêa TD, Moreira CEN, Maia MO, Morales GM, Lisboa T, Ferez MA, Freitas CEF, de Carvalho CB, Mazza BF, Lima MFA, Ramos GV, Silva AR, Bozza FA, Salluh JIF, Soares M, ORCHESTRA Study Investigators: Association of frailty with short-term outcomes, organ support and resource use in critically ill patients. *Intensive Care Med*. 44 (9): 1512-1520, 2018. PM30105600
  186. **Iwashyna TJ**, McPeake J: Choosing outcomes for clinical trials: a pragmatic perspective. *Curr Opin Crit Care*. 24(5): 428-433, 2018. PM30074502
  187. Sales A, Gong M, **Iwashyna TJ**.: Digital Implementation Intervention Trials in Acute Lung Care (DIGITAL-C) Network Planning. *AnnalsATS*.: 2018. (In Press)
  188. Boltey EM, **Iwashyna TJ**, Hyzy RC, Watson SR, Ross C, Costa DK: Ability to predict team members' behaviors in ICU teams is associated with routine ABCDE implementation. *J Crit Care*. Jun; 51: 192-197, 2019. PM30856524/PMCID: PMC6625516
  189. Sjoding MW, Hofer TP, Co I, McSparron JI, **Iwashyna TJ**: Differences between Patients in Whom Physicians Agree and Disagree about the Diagnosis of Acute Respiratory Distress Syndrome. *Ann Am Thorac Soc* 16(2): 258-264, 2019. PM30321489/PMC6376946
  190. Sjoding MW, Gong MN, Haas CF, **Iwashyna TJ**: Evaluating Delivery of Low Tidal Volume Ventilation in Six ICUs Using Electronic Health Record Data. *Crit Care Med* 47(1): 56-61, 2019. PM30308549/PMC6298798
  191. Valley TS, Admon AJ, Zahuranec DB, Garland A, Fagerlin A, **Iwashyna TJ**: Estimating ICU Benefit: A Randomized Study of Physicians. *Crit Care Med* 47(1): 62-68, 2019. PM30303839/PMC6298833
  192. McPeake J, Hirshberg EL, Christie LM, Drumright K, Haines K, Hough CL, Meyer J, Wade D, Andrews A, Bakhru R, Bates S, Barwise JA, Bastarache J, Beesley SJ, Boehm LM, Brown S, Clay AS, Firshman P, Greenberg S, Harris W, Hill C, Hodgson C, Holdsworth C, Hope AA, Hopkins RO, Howell DCJ, Janssen A, Jackson JC, Johnson A, Kross EK, Lamas D, MacLeod-Smith B, Mandel R, Marshall J, Mikkelsen ME, Nackino M, Quasim T, Sevin CM, Slack A, Spurr R, Still M, Thompson C, Weinhouse G, Wilcox ME, **Iwashyna TJ**: Models of Peer Support to Remediate Post-Intensive Care Syndrome: A Report Developed by the Society of Critical Care Medicine Thrive International Peer Support Collaborative. *Crit Care Med* 47 (1): e21-e27, 2019. PM30422863
  193. Wüitala WL, Vincent BM, Burns JA, Prescott HC, Waljee AK, Cohen GR, **Iwashyna TJ**: Variation in Laboratory Test Naming Conventions in EHRs Within and Between Hospitals: A Nationwide Longitudinal Study. *Med Care* 57(4): e22-e27, 2019. PM30394981/PMID:30394981/PMC6417968
  194. Lederer DJ, Bell SC, Branson RD, Chalmers JD, Marshall R, Maslove DM, Ost DE, Punjabi NM, Schatz M, Smyth AR, Stewart PW, Suissa S, Adjei AA, Akdis CA, Azoulay É, Bakker J, Ballas ZK, Bardin PG, Barreiro E, Bellomo R, Bernstein JA, Brusasco V, Buchman TG, Chokroverty S, Collop NA, Crapo JD, Fitzgerald DA, Hale L, Hart N, Herth FJ, **Iwashyna TJ**, Jenkins G, Kolb M, Marks GB, Mazzone P, Moorman JR, Murphy TM, Noah TL, Reynolds P, Riemann D, Russell RE, Sheikh A, Sotgiu G, Swenson ER, Szczesniak R, Szymusiak R, Teboul JL, Vincent JL: Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. *Ann Am Thorac Soc*. Jan 16(1): 22-28, 2019. PM30230362
  195. Lanspa MJ, Gong MN, Schoenfeld DA, Lee KT, Grissom CK, Hou PC, Serpa-Neto A, Brown SM, **Iwashyna TJ**, Yealy DM, Hough CL, Brower RG, Calfee CS, Hyzy RC, Matthay MA, Miller RR 3rd, Steingrub JS, Thompson BT, Miller CD, Clemmer TP, Hendey GW, Huang DT, Mathews KS, Qadir N, Tidswell M, The National Heart, Lung, and Blood Institute Prevention and Early Treatment of Acute Lung Injury (PETAL) Clinical Trials Network.: Prospective Assessment of the Feasibility of a Trial of Low-Tidal Volume Ventilation for Patients with Acute Respiratory Failure. *Ann Am Thorac Soc* 16(3): 356-362, 2019. PM30407869/PMC6394119
  196. Prescott HC, Carmichael AG, Langa KM, Gonzalez R, **Iwashyna TJ**: Paths into Sepsis: Trajectories of Presepsis Healthcare Use. *Ann Am Thorac Soc* 16(1): 116-123, 2019. PM30212640/PMC6344453
  197. Reamaroon N, Sjoding MW, Lin K, **Iwashyna TJ**, Najarian K: Accounting for Label Uncertainty in Machine Learning for Detection of Acute Respiratory Distress Syndrome. *IEEE J Biomed Health Inform*. 23(1): 407-415, 2019. PM29994592/PMC6351314
  198. Lagisetty PA, Lin LA, Ganoczy D, Haffajee RL, **Iwashyna TJ**, Bohnert ASB: Opioid Prescribing After Opioid-related Inpatient Hospitalizations by Diagnosis: A Cohort Study. *Med Care* 57(10): 815-821, 2019. PM31415341/PMC6742521
  199. Jeffcote T, Foong M, Gold G, Glassford N, Robbins R, **Iwashyna TJ**, Darvall J, Bagshaw SM, Bellomo R:

- Patient characteristics, ICU-specific supports, complications, and outcomes of persistent critical illness. *J Crit Care* 54: 250-255, 2019. PM31630075
201. Guetterman TC, Kellenberg JE, Krein SL, Harrod M, Lehigh JL, **Iwashyna TJ**, Kronick SL, Girotra S, Chan PS, Nallamotheu BK: Nursing roles for in-hospital cardiac arrest response: higher versus lower performing hospitals. *BMJ Qual Saf* 28(11): 916-924, 2019. PM31420410
  202. McPeake JM, Harhay MO, Devine H, **Iwashyna TJ**, MacTavish P, Mikkelsen M, Shaw M, Quasim T: Exploring Patients' Goals Within the Intensive Care Unit Rehabilitation Setting. *Am J Crit Care*. Sep, 28 (5): 393-400, 2019. PM31474610/PMID31474610
  203. Admon AJ, Donnelly JP, Casey JD, Janz DR, Russell DW, Joffe AM, Vonderhaar DJ, Dischert KM, Stempek SB, Dargin JM, Rice TW, **Iwashyna TJ**, Semler MW: Emulating a Novel Clinical Trial Using Existing Observational Data. Predicting Results of the PreVent Study. *Ann Am Thorac Soc*. Aug, 16(8): 998-1007, 2019. PM31038996/PMC6774748
  204. Haines KJ, Sevin CM, Hibbert E, Boehm LM, Aparanji K, Bakhru RN, Bastin AJ, Beesley SJ, Butcher BW, Drumright K, Eaton TL, Farley T, Firshman P, Fritschle A, Holdsworth C, Hope AA, Johnson A, Kenes MT, Khan BA, Kloos JA, Kross EK, MacLeod-Smith BJ, Mactavish P, Meyer J, Montgomery-Yates A, Quasim T, Saft HL, Slack A, Stollings J, Weinhouse G, Whitten J, Netzer G, Hopkins RO, Mikkelsen ME, **Iwashyna TJ**, McPeake J: Key mechanisms by which post-ICU activities can improve in-ICU care: results of the international THRIVE collaboratives. *Intensive Care Med*. Jul, 45(7): 939-947, 2019. PM31165227/PMC6611738
  205. Darvall JN, Boonstra T, Norman J, Murphy D, Bailey M, **Iwashyna TJ**, Bagshaw SM, Bellomo R: Retrospective frailty determination in critical illness from a review of the intensive care unit clinical record. *Anaesth Intensive Care*. Jul, 47(4): 343-348, 2019. PM31342763/PMID31342763
  206. Viglianti EM, Admon AJ, Carlton EF, Hensley MK, Prescott HC, **Iwashyna TJ**, McSparron JI: Publishing a Clinical Research Manuscript: Guidance for Early-Career Researchers With a Focus on Pulmonary and Critical Care Medicine. *Chest*. Dec. 156(6): 1054-1061, 2019. PM31265833/PMC6904852
  207. Zampieri FG, Costa EL, **Iwashyna TJ**, Carvalho CRR, Damiani LP, Taniguchi LU, Amato MBP, Cavalcanti AB, Alveolar Recruitment for Acute Respiratory Distress Syndrome Trial Investigators.: Heterogeneous effects of alveolar recruitment in acute respiratory distress syndrome: a machine learning reanalysis of the Alveolar Recruitment for Acute Respiratory Distress Syndrome Trial. *Br J Anaesth*. Jul. 123(1): 88-95, 2019. PM30961913/PMID30916913
  208. Haines KJ, McPeake J, Hibbert E, Boehm LM, Aparanji K, Bakhru RN, Bastin AJ, Beesley SJ, Beveridge L, Butcher BW, Drumright K, Eaton TL, Farley T, Firshman P, Fritschle A, Holdsworth C, Hope AA, Johnson A, Kenes MT, Khan BA, Kloos JA, Kross EK, Mactavish P, Meyer J, Montgomery-Yates A, Quasim T, Saft HL, Slack A, Stollings J, Weinhouse G, Whitten J, Netzer G, Hopkins RO, Mikkelsen ME, **Iwashyna TJ**, Sevin CM: Enablers and Barriers to Implementing ICU Follow-Up Clinics and Peer Support Groups Following Critical Illness: The Thrive Collaboratives. *Crit Care Med*. Sep. 47(9): 1194-1200, 2019. PM31241499/PMC6699486
  209. Darvall JN, Boonstra T, Norman J, Murphy D, Bailey M, **Iwashyna TJ**, Bagshaw SM, Bellomo R: Persistent critical illness: baseline characteristics, intensive care course, and cause of death. *Crit Care Resusc*. Jun, 21(2): 110-118, 2019. PM31142241/PMID31142241
  210. McPeake J, Mikkelsen ME, Quasim T, Hibbert E, Cannon P, Shaw M, Ankori J, **Iwashyna TJ**, Haines KJ: Return to Employment after Critical Illness and Its Association with Psychosocial Outcomes. A Systematic Review and Meta-Analysis. *Ann Am Thorac Soc*. Oct, 16(10): 1304-1311, 2019. PM31184500/PMID31184500
  211. Viglianti EM, Kruser JM, **Iwashyna T**: The heterogeneity of prolonged ICU hospitalisations. *Thorax* 74(11): 1015-1017, 2019. PM31534030/PMC7001884
  212. McPeake JM, Henderson P, Darroch G, **Iwashyna TJ**, MacTavish P, Robinson C, Quasim T: Social and economic problems of ICU survivors identified by a structured social welfare consultation. *Crit Care*. May. 23(1): 153, 2019. PM31046813/PMC6498562
  213. Valley TS, **Iwashyna TJ**, Cooke CR, Sinha SS, Ryan AM, Yeh RW, Nallamotheu BK: Intensive care use and mortality among patients with ST elevation myocardial infarction: retrospective cohort study. *BMJ*. Jun. 365: 11927, 2019. PM31164326/PMC6547840
  214. Garland A, Jeon SH, Stepner M, Rotermann M, Fransoo R, Wunsch H, Scales DC, **Iwashyna TJ**, Sanmartin C: Effects of cardiovascular and cerebrovascular health events on work and earnings: a population-based retrospective cohort study. *CMAJ*. Jan. 191(1): E3-E10, 2019. PM30617227/PMC6312519
  215. Wang XQ, Vincent BM, Wiitala WL, Luginbill KA, Viglianti EM, Prescott HC, **Iwashyna TJ**: Veterans Affairs patient database (VAPD 2014-2017): building nationwide granular data for clinical discovery. *BMC Med Res Methodol*. May; 19(1): 94, 2019. PM31068135/PMC6505066

216. [Bell SA](#), Choi H, Langa KM, **Iwashyna TJ**: Health Risk Behaviors after Disaster Exposure Among Older Adults. *Prehosp Disaster Med. Jan*; 15: 1-3, 2019. PM30642407/PMCID: PMC6629521
217. [Haines KJ](#), Holdsworth C, Cranwell K, Skinner EH, Holton S, MacLeod-Smith B, Bates S, **Iwashyna TJ**, French C, Booth S, Carmody J, Henningham L, Searle G, Shackell M, Maher L: Development of a Peer Support Model Using Experience-Based Co-Design to Improve Critical Care Recovery. *Crit Care Explor* 1 (3): e0006, 2019. PM32166251/PMC7063862
218. National Heart, Lung, and Blood Institute PETAL Clinical Trials Network., Moss M, Huang DT, Brower RG, Ferguson ND, Ginde AA, Gong MN, Grissom CK, Gundel S, Hayden D, Hite RD, Hou PC, Hough CL, **Iwashyna TJ**, Khan A, Liu KD, Talmor D, Thompson BT, Ulysse CA, Yealy DM, Angus DC: Early Neuromuscular Blockade in the Acute Respiratory Distress Syndrome. *N Engl J Med. May*; 380(21): 1997- 2008, 2019. PM31112383/PMC6741345
219. Admon AJ, [Sjoding MW](#), Lyon SM, Ayanian JZ, **Iwashyna TJ**, [Cooke CR](#): Medicaid Expansion and Mechanical Ventilation in Asthma, Chronic Obstructive Pulmonary Disease, and Heart Failure. *Ann Am Thorac Soc. Jul*; 16(7): 886-893, 2019. PM30811951/PMCID: PMC6600831
220. Zeiberg D, Prahlad T, Nallamotheu BK, **Iwashyna TJ**, Wiens J, [Sjoding MW](#): Machine learning for patient risk stratification for acute respiratory distress syndrome. *PLoS One. Mar*; 14(3): e0214465, 2019. PM30921400/PMC6438573
221. Dukes K, Bunch JL, Chan PS, Guetterman TC, Lehrich JL, Trumpower B, Harrod M, Krein SL, Kellenberg JE, Reisinger HS, Kronick SL, **Iwashyna TJ**, Nallamotheu BK, Girotra S: Assessment of Rapid Response Teams at Top-Performing Hospitals for In-Hospital Cardiac Arrest. *JAMA Intern Med. Jul*; [Available on 2020-07-29: doi: 10.1001/jamainternmed., 2019. PM31355875/PMC6664378
222. Harbaugh CM, Lee JS, Chua KP, Kenney B, **Iwashyna TJ**, Englesbe MJ, Brummett CM, Bohnert AS, Waljee JF.: Association Between Long-term Opioid Use in Family Members and Persistent Opioid Use After Surgery Among Adolescents and Young Adults. *JAMA Surg. Apr* 154(4): e185838, 2019. PM30810738/PMCID PMC6484797
223. [Viglianti EM](#), Zajic P, **Iwashyna TJ**, Amrein K: Neither vitamin D levels nor supplementation are associated with the development of persistent critical illness: a retrospective cohort analysis. *Crit Care Resusc. Mar*; 21(1): 39-44, 2019. (In Press) PM30857511/PMCID: PMC6696918
224. Zampieri FG, Costa EL, **Iwashyna TJ**, Carvalho CRR, Damiani LP, Taniguchi LU, Amato MBP, Cavalcanti AB.: Heterogeneity in Treatment Effect in the Alveolar Recruitment for Acute Respiratory Distress Syndrome Trial. *Br J Anaesth. Jul*; 123(1): 88-95, 2019. PMID:309061913
225. Admon AJ, [Valley TS](#), Ayanian JZ, **Iwashyna TJ**, [Cooke CR](#), Tipirneni R: Trends in Hospital Utilization After Medicaid Expansion. *Med Care. Apr* 57(4): 312-317, 2019. PM30762722/PMCID: PMC6417939
226. [Prescott HC](#), **Iwashyna TJ**.: Reply: End-of-life Treatment Preferences in the Health and Retirement Study. *Ann Am Thorac Soc. Apr*; 16(4): 523, 2019. PM30495969/PMCID: PMC6441699
227. [Prescott HC](#), **Iwashyna TJ**: Improving Sepsis Treatment by Embracing Diagnostic Uncertainty. *Ann Am Thorac Soc. Apr*; 16(4): 426-429, 2019. PM30883190/PMCID: PMC6441693
228. Carlton EF, Barbaro RP, **Iwashyna TJ**, [Prescott HC](#): Cost of Pediatric Severe Sepsis Hospitalizations. *JAMA Pediatr. Aug*. Available on 2020-08-12: doi: 10.1001/jamapediatrics, 2019. PM31403673/PMC6692673
229. MacTavish P, Quasim T, Shaw M, Devine H, Daniel M, Kinsella J, Fenelon C, Kishore R, **Iwashyna TJ**, [McPeake J](#): Impact of a pharmacist intervention at an intensive care rehabilitation clinic. *BMJ Open Qual. Sep*; 8(3): e000580, 2019. PM31637320/PMC6768365
230. [Prescott HC](#), **Iwashyna TJ**, Blackwood B, Calandra T, Chlan LL, Choong K, Connolly B, Dark P, Ferrucci L, Finfer S, Girard TD, Hodgson C, Hopkins RO, Hough CL, Jackson JC, Machado FR, Marshall JC, Misak C, Needham DM, Panigrahi P, Reinhart K, Yende S, Zafonte R, Rowan KM, Angus DC: Understanding and Enhancing Sepsis Survivorship. Priorities for Research and Practice. *Am J Respir Crit Care Med. Oct* 200(8): 972-981, 2019. PM31161771/PMC6794113
231. Jeon SH, Stepner M, Rotermann M, Fransoo R, Sanmartin C, Scales DC, Wunsch H, **Iwashyna TJ**, Garland A: Effects of Cardiovascular Health Shocks on Spouses' Work and Earnings: A National Study. *Med Care. Feb*. 58(2): 128-136, 2020. PM31935200
232. [Bell SA](#), Banerjee M, Griggs JJ, **Iwashyna TJ**, Davis MA: The Effect of Exposure to Disaster on Cancer Survival. *J Gen Intern Med. Jan*. 35(1): 380-382, 2020. PM31659658/PMC6957642
233. [Bell SA](#), Horowitz J, **Iwashyna T**: Home Health Service Provision After Hurricane Harvey. *Disaster Med Public Health Prep* 14(1): 56-62, 2020. PM31218986/PMC7075394
234. Ervin JN, Rentes VC, Dibble ER, [Sjoding MW](#), **Iwashyna TJ**, Hough CL, Ng Gong M, Sales AE: Evidence-Based Practices for Acute Respiratory Failure and Acute Respiratory Distress Syndrome: A Systematic Review of

- Reviews. *Chest* 158(6): 2381-2393, 2020. PM32682771/PMC7768938
236. [Hauschildt KE](#), Seigworth C, Kamphuis LA, Hough CL, Moss M, [McPeake JM](#), [Iwashyna TJ](#), National Heart, Lung, and Blood Institute (NHLBI) Prevention and Early Treatment of Acute Lung Injury (PETAL) Network.: Financial Toxicity After Acute Respiratory Distress Syndrome: A National Qualitative Cohort Study. *Crit Care Med* 48(8): 1103-1110, 2020. PM32697479/PMC7387748
  237. [Viglianti EM](#), Bagshaw SM, Bellomo R, [McPeake J](#), Wang XQ, Seelye S, [Iwashyna TJ](#): Hospital-level variation in the development of persistent critical illness. *Intensive Care Med* 46(8): 1567-1575, 2020. PM32500182/PMC7444658
  238. Billig JI, Sears ED, Gunaseelan V, Santosa KB, [Iwashyna TJ](#), Englesbe MJ, Brummett CM, Waljee JF: Inappropriate Preoperative Gabapentinoid Use Among Patients With Carpal Tunnel Syndrome. *J Hand Surg Am* 45(8): 677-689.e5, 2020. PM32487365/PMC7453721
  239. MacTavish P, Quasim T, Purdie C, Ball M, Barker L, Connelly S, Devine H, Henderson P, Hogg LA, Kishore R, Lucie P, Murphy J, O'Brien P, Shaw M, Strachan L, Timmins A, [Iwashyna TJ](#), [McPeake J](#): Medication-related Problems in Intensive Care Unit Survivors: Learning from a Multicenter Program. *Ann Am Thorac Soc* 17(10): 1326-1329, 2020. PM32716636/PMC7640628
  240. Carey MR, [Prescott HC](#), [Iwashyna TJ](#), Wilson ME, Fagerlin A, [Valley TS](#): Changes in Self-Rated Health After Sepsis in Older Adults: A Retrospective Cohort Study. *Chest* 158(5): 1958-1966, 2020. PM32593804/PMC7674979
  241. Harlan EA, Miller J, [Costa DK](#), Fagerlin A, [Iwashyna TJ](#), Chen EP, Lipman K, [Valley TS](#): Emotional Experiences and Coping Strategies of Family Members of Critically Ill Patients. *Chest* 158(4): 1464-1472, 2020. PM32454044/PMC7545490
  242. [Iwashyna TJ](#): Recognizing a Patient Is Acutely Dying. *Ann Am Thorac Soc* 17(10): 1195-1198, 2020. PM32603598/PMC7640621
  243. Mikkelsen ME, Still M, Anderson BJ, Bienvenu OJ, Brodsky MB, Brummel N, Butcher B, Clay AS, Felt H, Ferrante LE, [Haines KJ](#), Harhay MO, Hope AA, Hopkins RO, Hosey M, Hough CTL, Jackson JC, Johnson A, Khan B, Lone NI, MacTavish P, [McPeake J](#), Montgomery-Yates A, Needham DM, Netzer G, Schorr C, Skidmore B, Stollings JL, Umberger R, Andrews A, [Iwashyna TJ](#), Sevin CM: Society of Critical Care Medicine's International Consensus Conference on Prediction and Identification of Long-Term Impairments After Critical Illness. *Crit Care Med* 48(11): 1670-1679, 2020. PM32947467
  244. [Iwashyna TJ](#), Ma C, Wang XQ, Seelye S, Zhu J, Waljee AK: Variation in model performance by data cleanliness and classification methods in the prediction of 30-day ICU mortality, a US nationwide retrospective cohort and simulation study. *BMJ Open* 10(12): e041421, 2020. PM33268427/PMC7713192
  245. Thurston LM, Milnes SL, Hodgson CL, Berkovic DE, Ayton DR, [Iwashyna TJ](#), Orford NR: Defining patient-centered recovery after critical illness - A qualitative study. *J Crit Care* 57: 84-90, 2020. PM32062290
  246. Deane AM, Little L, Bellomo R, Chapman MJ, Davies AR, Ferrie S, Horowitz M, Hurford S, Lange K, Litton E, Mackle D, O'Connor S, Parker J, Peake SL, Presneill JJ, Ridley EJ, Singh V, van Haren F, Williams P, Young P, [Iwashyna TJ](#), TARGET Investigators and the Australian and New Zealand Intensive Care Society Clinical Trials Group.: Outcomes Six-Months After 100% or 70% of Enteral Calorie Requirements During Critical Illness (TARGET): A Randomized Controlled Trial. *Am J Respir Crit Care Med*: 2020. PM31904995
  247. [Coe AB](#), Vincent BM, [Iwashyna TJ](#): Statin discontinuation and new antipsychotic use after an acute hospital stay vary by hospital. *PLoS One* 15(5): e0232707, 2020. PM32384108/PMC7209203
  248. Semler MW, Bernard GR, Aaron SD, Angus DC, Biros MH, Brower RG, Calfee CS, Colantuoni EA, Ferguson ND, Gong MN, Hopkins RO, Hough CL, [Iwashyna TJ](#), Levy BD, Martin TR, Matthay MA, Mizgerd JP, Moss M, Needham DM, Self WH, Seymour CW, Stapleton RD, Thompson BT, Wunderink RG, Aggarwal NR, Reineck LA: Identifying Clinical Research Priorities in Adult Pulmonary and Critical Care: NHLBI Working Group Report. *Am J Respir Crit Care Med*: 2020. PM32150460
  249. Barbaro RP, MacLaren G, Boonstra PS, [Iwashyna TJ](#), Slutsky AS, Fan E, Bartlett RH, Tonna JE, Hyslop R, Fanning JJ, Rycus PT, Hyer SJ, Anders MM, Agerstrand CL, Hryniewicz K, Diaz R, Lorusso R, Combes A, Brodie D, Extracorporeal Life Support Organization.: Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry. *Lancet* 396(10257): 1071-1078, 2020. PM32987008/PMC7518880
  250. Kosinski S, Mohammad RA, Pitcher M, Haezebrouck E, [Coe AB](#), [Costa DK](#), [Prescott HC](#), [Iwashyna TJ](#), McSparron JI: What Is Post-Intensive Care Syndrome (PICS)? *Am J Respir Crit Care Med*. Feb. 201(8): P15-P16, 2020. PM32293204
  251. [Bell SA](#), Horowitz J, [Iwashyna TJ](#): Health Outcomes After Disaster for Older Adults With Chronic Disease: A

- Systematic Review. *Gerontologist* 60(7): e535-e547, 2020. PM32930774/PMC7491433
252. Sjoding MW, Dickson RP, **Iwashyna TJ**, Gay SE, Valley TS: Racial Bias in Pulse Oximetry Measurement. *N Engl J Med* 383(25): 2477-2478, 2020. PM33326721/PMC7808260
  253. Cagino LM, Kercheval JB, Kenes MT, McSparron JI, Blank R, Chinn SB, Claar DD, **Iwashyna TJ**, De Cardenas J: Association of Tracheostomy with Changes in Sedation During COVID-19: A Quality Improvement Evaluation at the University of Michigan. *Ann Am Thorac Soc*: 2020. PM33233918
  254. Bell SA, Klasa K, **Iwashyna TJ**, Norton EC, Davis MA: Long-term healthcare provider availability following large-scale hurricanes: A difference-in-differences study. *PLoS One* 15(11): e0242823, 2020. PM33232383/PMC7685502
  255. McPeake J, Boehm LM, Hibbert E, Bakhru RN, Bastin AJ, Butcher BW, Eaton TL, Harris W, Hope AA, Jackson J, Johnson A, Kloos JA, Korzick KA, MacTavish P, Meyer J, Montgomery-Yates A, Quasim T, Slack A, Wade D, Still M, Netzer G, Hopkins RO, Mikkelsen ME, **Iwashyna TJ**, Haines KJ, Sevin CM: Key Components of ICU Recovery Programs: What Did Patients Report Provided Benefit? *Crit Care Explor* 2 (4): e0088, 2020. PM32426730/PMC7188426
  256. Shaw M, Viglianti EM, McPeake J, Bagshaw SM, Pilcher D, Bellomo R, **Iwashyna TJ**, Quasim T: Timing of Onset, Burden, and Postdischarge Mortality of Persistent Critical Illness in Scotland, 2005-2014: A Retrospective, Population-Based, Observational Study. *Crit Care Explor* 2(4): e0102, 2020. PM32426744/PMC7188420
  257. Gluck S, Summers MJ, Finnis ME, Andrawos A, Goddard TP, Hodgson CL, **Iwashyna TJ**, Deane AM: An observational study investigating the use of patient-owned technology to quantify physical activity in survivors of critical illness. *Aust Crit Care*. Mar 33(2): 137-143, 2020. PM30879879/PMID 30879879
  258. Viglianti EM, Bagshaw SM, Bellomo R, McPeake J, Molling DJ, Wang XQ, Seelye S, **Iwashyna TJ**: Late vasopressor administration in ICU patients: A retrospective cohort study. *Chest*. Apr Epub ahead of print(n /a): n/a, 2020. PM32278780
  259. Billig JI, Sears, ED, Gunaseelan V, Santosa KB, **Iwashyna TJ**, Englesbe MJ, Brummett CM, Waljee JF: Inappropriate Preoperative Gabapentinoid Use Among Patients with Carpal Tunnel Syndrome Unknown: 2020. (In Press)
  260. Coe AB, Vincent BM, **Iwashyna TJ**: Statin discontinuation and new antipsychotic use after an acute hospital stay vary by hospital *PLOS ONE*: 2020. (In Press)
  261. Hester TB, Cartwright JD, DiGiovine DG, Karlic KJ, Kercheval JB, DiGiovine B, Gay SE, Haas C, Hawkins D, Weirauch A, **Iwashyna TJ**: Training and Deployment of Medical Students as Respiratory Therapist Extenders During COVID-19 *Journal of American Thoracic Society (ATS)*: 2020. (In Press)
  262. Viglianti EV, Bagshaw SM, Bellomo R, McPeake J, Wang XQ, Seelye S, **Iwashyna TJ**: Hospital-level variation in the development of persistent critical illness *Intensive Care Med*: 2020. (In Press)
  263. Bell SA, **Iwashyna TJ**, Zhang X, Chen B, Davis MA: All-Cause Hospitalizations after Large-Scale Hurricanes among Older Adults: A Self-Controlled Case Series Study. *Prehosp Disaster Med* 36(1): 25- 31, 2021. PM33198843/PMC7853425
  264. Haas B, Jeon SH, Rotermann M, Stepner M, Fransoo R, Sanmartin C, Wunsch H, Scales DC, **Iwashyna TJ**, Garland A: Association of Severe Trauma With Work and Earnings in a National Cohort in Canada. *JAMA Surg* 156(1): 51-59, 2021. PM33112383/PMC7593875
  265. McPeake J, **Iwashyna TJ**, Boehm LM, Hibbert E, Bakhru RN, Bastin AJ, Butcher BW, Eaton TL, Harris W, Hope AA, Jackson J, Johnson A, Kloos JA, Korzick KA, Meyer J, Montgomery-Yates A, Mikkelsen ME, Slack A, Wade D, Still M, Netzer G, Hopkins RO, Quasim T, Sevin CM, Haines KJ: Benefits of Peer Support for Intensive Care Unit Survivors: Sharing Experiences, Care Debriefing, and Altruism. *Am J Crit Care* 30(2): 145-149, 2021. PM33566086
  266. Hope AA, Johnson AA, McPeake J, Felt H, Sevin CM, Mikkelsen ME, **Iwashyna TJ**, Lassen-Greene C, Haines KJ, Agarwal S, Bakhru RN, Boehm LM, Butcher BW, Drumright K, Eaton TL, Hibbert E, Hoehn KS, Hornstein D, Imperato-Shedden H, Jackson JC, Kloos JA, Lewis A, Meyer J, Montgomery-Yates A, Rojas V, Schorr C, Wade D, Williams C: Establishing a Peer Support Program for Survivors of COVID-19: A Report From the Critical and Acute Illness Recovery Organization. *Am J Crit Care*: e1-e5, 2021. PM33566061
  267. Donnelly JP, Wang XQ, **Iwashyna TJ**, Prescott HC: Readmission and Death After Initial Hospital Discharge Among Patients With COVID-19 in a Large Multihospital System. *JAMA* 325(3): 304-306, 2021. PM33315057/PMC7737131
  268. Vance AJ, Duy J, Laventhal N, **Iwashyna TJ**, \*Costa DK. Visitor Guidelines in US Children's Hospitals During COVID-19. *Hosp Pediatr*. 2021 Jun;11(6):e83-e89. doi: 10.1542/hpeds.2020-005772. Epub 2021 Mar 18. PMID: 33737331

269. Sjoding M, **Iwashyna TJ**, Valley TS. More on Racial Bias in Pulse Oximetry Measurement. Reply. *N Engl J Med*. 2021 Apr 1;384(13):1278. doi: 10.1056/NEJMc2101321. PMID: 33789021
270. Han JH, Ginde AA, Brown SM, Baughman A, Collar EM, Ely EW, Gong MN, Hope AA, Hou PC, Hough CL, **Iwashyna TJ**, Jackson JC, Khan A, Orun OM, Patel MB, Raman R, Rice TW, Ringwood N, Semler MW, Shapiro NI, Talmor DS, Self WH; Vitamin D to Improve Outcomes by Leveraging Early Treatment Network Investigators. Effect of Early High-Dose Vitamin D3 Repletion on Cognitive Outcomes in Critically Ill Adults. *Chest*. 2021 Sep;160(3):909-918. doi: 10.1016/j.chest.2021.03.046. Epub 2021 Apr 2. PMID: 33819472; PMCID: PMC8449000.
271. Henderson P, Quasim T, Asher A, Campbell L, Daniel M, Davey L, Devine H, Gall M, Mactavish P, MCGroarty K, Nolan F, Purdie C, Quasim I, Sharp J, Shaw M, **Iwashyna TJ**, McPeake J. Post-intensive care syndrome following cardiothoracic critical care: Feasibility of a complex intervention. *J Rehabil Med*. 2021 Jun 3;53(6):jrm00206. doi: 10.2340/16501977-2825. PMID: 33856038; PMCID: PMC8814889
272. Hester TB, Cartwright JD, DiGiovine DG, Karlic KJ, Kercheval JB, DiGiovine B, Gay SE, Haas C, Hawkins D, Weirauch A, **Iwashyna TJ**. Training and Deployment of Medical Students as Respiratory Therapist Extenders during COVID-19. *ATS Sch*. 2020 May 29;1(2):145-151. doi: 10.34197/ats-scholar.2020-0049PS. PMID: 33870278; PMCID: PMC8043304
273. Sjoding MW, Taylor D, Motyka J, Lee E, Co I, Claar D, McSparron JI, Ansari S, Kerlin MP, Reilly JP, Shashaty MGS, Anderson BJ, Jones TK, Drebin HM, Ittner CAG, Meyer NJ, **Iwashyna TJ**, Ward KR, Gillies CE. Deep learning to detect acute respiratory distress syndrome on chest radiographs: a retrospective study with external validation. *Lancet Digit Health*. 2021 Jun;3(6):e340-e348. doi: 10.1016/S2589-7500(21)00056-X. Epub 2021 Apr 20. PMID: 33893070; PMCID: PMC8182690.
274. Carlton EF, Ice E, Barbaro RP, Kampuis L, Moss M, Angus DC, Banner-Goodspeed VM, Ginde AA, Gong MN, Grissom CK, Hou PC, Huang DT, Hough CTL, Talmor DS, Thompson BT, Yealy DM, Couper MP, **Iwashyna TJ**; NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) Network. Recall of clinical trial participation and attrition rates in survivors of acute respiratory distress syndrome. *J Crit Care*. 2021 Aug;64:160-164. doi: 10.1016/j.jcrc.2021.04.006. Epub 2021 Apr 17. PMID: 33906105; PMCID: PMC8222163
275. Boltey EM, Wright N, Mosley EA, White MR, **Iwashyna TJ**, Manojlovich M, Costa DK. Exploring the process of information sharing in an adult intensive care unit: an ethnographic study. *J Interprof Care*. 2022 Mar-Apr;36(2):168-176. doi: 10.1080/13561820.2021.1899147. Epub 2021 Apr 27. PMID: 33906566; PMCID: PMC8548388
276. Sevin CM, Boehm LM, Hibbert E, Bastin AJ, Jackson JC, Meyer J, Quasim T, Bakhru RN, Montgomery-Yates A, Slack A, Still M, Netzer G, Mikkelsen ME, **Iwashyna TJ**, Haines KJ, McPeake J. Optimizing Critical Illness Recovery: Perspectives and Solutions From the Caregivers of ICU Survivors. *Crit Care Explor*. 2021 May 12;3(5):e0420. doi: 10.1097/CCE.0000000000000420. PMID: 34079948; PMCID: PMC8162533
277. Carenzo L, Protti A, Dalla Corte F, Aceto R, Iapichino G, Milani A, Santini A, Chiurazzi C, Ferrari M, Heffler E, Angelini C, Aghemo A, Ciccarelli M, Chiti A, **Iwashyna TJ**, Herridge MS, Cecconi M; Humanitas COVID-19 Task Force. Short-term health-related quality of life, physical function and psychological consequences of severe COVID-19. *Ann Intensive Care*. 2021 Jun 4;11(1):91. doi: 10.1186/s13613-021-00881-x. PMID: 34089104; PMCID: PMC8177269
278. Haines KJ, Hibbert E, Leggett N, Boehm LM, Hall T, Bakhru RN, Bastin AJ, Butcher BW, Eaton TL, Harris W, Hope AA, Jackson J, Johnson A, Kloos JA, Korzick KA, Mactavish P, Meyer J, Montgomery-Yates A, Quasim T, Slack A, Wade D, Still M, Netzer G, Hopkins RO, **Iwashyna TJ**, Mikkelsen ME, McPeake J, Sevin CM; Society of Critical Care Medicine's Thrive Initiative. Transitions of Care After Critical Illness-Challenges to Recovery and Adaptive Problem Solving. *Crit Care Med*. 2021 Nov 1;49(11):1923-1931. doi: 10.1097/CCM.00000000000005095. PMID: 34091486; PMCID: PMC8516700
279. Robinson C, Hibbert E, Bastin AJ, Meyer J, Montgomery-Yates A, Quasim T, Slack A, Mikkelsen ME, **Iwashyna TJ**, Haines KJ, Sevin CM, McPeake J, Boehm LM. An International Study Exploring the Experience of Survivors of Critical Illness as Volunteers Within ICU Recovery Services. *Crit Care Explor*. 2020 Nov 19;2(11):e0273. doi: 10.1097/CCE.0000000000000273. PMID: 34124686; PMCID: PMC8191690
280. Lynch JF, Perera IM, **Iwashyna TJ**. Scarce Resource Allocation in a Pandemic: A Protocol to Promote Equity, Timeliness, and Transparency. *Crit Care Explor*. 2021 Jun 8;3(6):e0466. doi: 10.1097/CCE.0000000000000466. PMID: 34124688; PMCID: PMC8189617
281. Matta S, Hsu JW, **Iwashyna TJ**, Baum MY, Langa KM, Nicholas LH. Identifying Cohabiting Couples in Administrative Data: Evidence from Medicare Address Data. *Health Serv Outcomes Res Methodol*. 2021 Jun;21(2):238-247. doi: 10.1007/s10742-020-00229-1. Epub 2020 Nov 12. PMID: 34149307; PMCID:



PMC8210751

282. McPeake J, Quasim T, Henderson P, Leyland AH, Lone NI, Walters M, **Iwashyna TJ**, Shaw M. Multimorbidity and Its Relationship With Long-Term Outcomes After Critical Care Discharge: A Prospective Cohort Study. *Chest*. 2021 Nov;160(5):1681-1692. doi: 10.1016/j.chest.2021.05.069. Epub 2021 Jun 18. PMID: 34153342; PMCID: PMC9199363
283. Hauschildt KE, Seigworth C, Kamphuis LA, Hough CL, Moss M, McPeake JM, Harrod M, **Iwashyna TJ**. Patients' Adaptations After Acute Respiratory Distress Syndrome: A Qualitative Study. *Am J Crit Care*. 2021 May 1;30(3):221-229. doi: 10.4037/ajcc2021825. PMID: 34161982; PMCID: PMC9214834
284. McPeake J, **Iwashyna TJ**, Henderson P, Leyland AH, Mackay D, Quasim T, Walters M, Harhay M, Shaw M. Long term outcomes following critical care hospital admission: A prospective cohort study of UK biobank participants<sup>☆</sup>. *Lancet Reg Health Eur*. 2021 Jul;6:100121. doi: 10.1016/j.lanep.2021.100121. PMID: 34291229; PMCID: PMC8278491.
285. D'Arcy J, Haines K, Paul E, Doherty Z, Goodwin A, Bailey M, Barrett J, Bellomo R, Bucknall T, Gabbe BJ, Higgins AM, **Iwashyna TJ**, Murray LJ, Myles PS, Ponsford J, Pilcher D, Udy AA, Walker C, Young M, Cooper DJJ, Hodgson CL; ICU-Recovery Investigators. The impact of distance on post-ICU disability. *Aust Crit Care*. 2022 Jul;35(4):355-361. doi: 10.1016/j.aucc.2021.05.013. Epub 2021 Jul 25. PMID: 34321180.
286. **Iwashyna TJ**, Kamphuis LA, Gundel SJ, Hope AA, Jolley S, Admon AJ, Caldwell E, Monahan ML, Hauschildt K, Thompson BT, Hough CL; NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) Network. Continuing Cardiopulmonary Symptoms, Disability, and Financial Toxicity 1 Month After Hospitalization for Third-Wave COVID-19: Early Results From a US Nationwide Cohort. *J Hosp Med*. 2021 Aug 18. doi: 10.12788/jhm.3660. Epub ahead of print. PMID: 34424190
287. Wayne MT, Seelye S, Molling D, Wang XQ, Donnelly JP, Hogan CK, Jones MM, **Iwashyna TJ**, Liu VX, Prescott HC. Temporal Trends and Hospital Variation in Time-to-Antibiotics Among Veterans Hospitalized With Sepsis. *JAMA Netw Open*. 2021 Sep 1;4(9):e2123950. doi: 10.1001/jamanetworkopen.2021.23950. PMID: 34491351; PMCID: PMC8424480
288. Valbuena VSM, Barbaro RP, Claar D, Valley TS, Dickson RP, Gay SE, Sjoding MW, **Iwashyna TJ**. Racial Bias in Pulse Oximetry Measurement Among Patients About to Undergo Extracorporeal Membrane Oxygenation in 2019-2020: A Retrospective Cohort Study. *Chest*. 2022 Apr;161(4):971-978. doi: 10.1016/j.chest.2021.09.025. Epub 2021 Sep 27. PMID: 34592317; PMCID: PMC9005857
289. Barbaro RP, MacLaren G, Boonstra PS, Combes A, Agerstrand C, Annich G, Diaz R, Fan E, Hryniewicz K, Lorusso R, Paden ML, Stead CM, Swol J, **Iwashyna TJ**, Slutsky AS, Brodie D; Extracorporeal Life Support Organization. Extracorporeal membrane oxygenation for COVID-19: evolving outcomes from the international Extracorporeal Life Support Organization Registry. *Lancet*. 2021 Oct 2;398(10307):1230-1238. doi: 10.1016/S0140-6736(21)01960-7. Epub 2021 Sep 29. PMID: 34599878; PMCID: PMC8480964.
290. Vincent BM, Molling D, Escobar GJ, Hofer TP, **Iwashyna TJ**, Liu VX, Rosen AK, Ryan AM, Seelye S, Wiitala WL, Prescott HC. Hospital-specific Template Matching for Benchmarking Performance in a Diverse Multihospital System. *Med Care*. 2021 Dec 1;59(12):1090-1098. doi: 10.1097/MLR.0000000000001645. PMID: 34629424; PMCID: PMC8802232
291. Ioannou GN, Ferguson JM, O'Hare AM, Bohnert ASB, Backus LI, Boyko EJ, Osborne TF, Maciejewski ML, Bowling CB, Hynes DM, **Iwashyna TJ**, SAYSANA M, Green P, Berry K. Changes in the associations of race and rurality with SARS-CoV-2 infection, mortality, and case fatality in the United States from February 2020 to March 2021: A population-based cohort study. *PLoS Med*. 2021 Oct 21;18(10):e1003807. doi: 10.1371/journal.pmed.1003807. PMID: 34673772; PMCID: PMC8530298
292. Peltan ID, Caldwell E, Admon AJ, Attia EF, Gundel SJ, Mathews KS, Nagrebetsky A, Sahetya SK, Ulysse C, Brown SM, Chang SY, Goodwin AJ, Hope AA, **Iwashyna TJ**, Johnson NJ, Lanspa MJ, Richardson LD, Vranas KC, Angus DC, Baron RM, Haaland BA, Hayden DL, Thompson BT, Rice TW, Hough CL. Characteristics and Outcomes of US Patients Hospitalized With COVID-19. *Am J Crit Care*. 2022 Mar 1;31(2):146-157. doi: 10.4037/ajcc2022549. PMID: 34709373; PMCID: PMC8891038
293. Hejjaji V, Chakrabarti AK, Nallamotheu BK, **Iwashyna TJ**, Krein SL, Trumpower B, Kennedy M, Chinnakondepalli K, Malik AO, Chan PS. Association Between Hospital Resuscitation Team Leader Credentials and Survival Outcomes for In-hospital Cardiac Arrest. *Mayo Clin Proc Innov Qual Outcomes*. 2021 Oct 28;5(6):1021-1028. doi: 10.1016/j.mayocpiqo.2021.06.002. Erratum in: *Mayo Clin Proc Innov Qual Outcomes*. 2022 Nov 18;6(6):636. PMID: 34761165; PMCID: PMC8567300
294. McPeake J, Bateson M, Christie F, Robinson C, Cannon P, Mikkelsen M, **Iwashyna TJ**, Leyland AH, Shaw M, Quasim T. Hospital re-admission after critical care survival: a systematic review and meta-analysis. *Anaesthesia*.

- 2022 Apr;77(4):475-485. doi: 10.1111/anae.15644. Epub 2021 Dec 29. PMID: 34967011
295. Zarrabian B, Wunsch H, Stelfox HT, **Iwashyna TJ**, Gershengorn HB. Liberation from Invasive Mechanical Ventilation with Continued Receipt of Vasopressor Infusions. *Am J Respir Crit Care Med*. 2022 May 1;205(9):1053-1063. doi: 10.1164/rccm.202108-2004OC. PMID: 35107416
  296. **Billig JL**, Gunaseelan V, Yazdanfar M, Sears ED, **Iwashyna TJ**, Chang T, Waljee JF. Gabapentinoid Prescribing for Carpal Tunnel Syndrome. *Hand (N Y)*. 2023 Jan;18(1\_suppl):106S-113S. doi: 10.1177/15589447211063544. Epub 2022 Feb 27. PMID: 35225033; PMCID: PMC9896291
  297. Henderson P, Quasim T, Shaw M, MacTavish P, Devine H, Daniel M, Nicolson F, O'Brien P, Weir A, Strachan L, Senior L, Lucie P, Bollan L, Duffty J, Hogg L, Ross C, Sim M, Sundaram R, **Iwashyna TJ**, \*McPeake J. Evaluation of a health and social care programme to improve outcomes following critical illness: a multicentre study. *Thorax*. 2023 Feb;78(2):160-168. doi: 10.1136/thoraxjnl-2021-218428. Epub 2022 Mar 21. PMID: 35314485; PMCID: PMC9872253
  298. **Viglianti EM**, Ervin JN, Newton CA, Kruser JM, **Iwashyna TJ**, **Valley TS**. Time-limited trials in the ICU: a mixed-methods sequential explanatory study of intensivists at two academic centres. *BMJ Open*. 2022 Apr 4;12(4):e059325. doi: 10.1136/bmjopen-2021-059325. PMID: 35379644; PMCID: PMC8981404
  299. **Eaton TL**, Scheunemann LP, Butcher BW, Donovan HS, Alexander S, **Iwashyna TJ**. The Prevalence of Spiritual and Social Support Needs and Their Association With Postintensive Care Syndrome Symptoms Among Critical Illness Survivors Seen in a Post-ICU Follow-Up Clinic. *Crit Care Explor*. 2022 Apr 8;4(4):e0676. doi: 10.1097/CCE.0000000000000676. PMID: 35425905; PMCID: PMC9000047
  300. **Viglianti EM**, **Iwashyna TJ**. Mentoring First-Generation and Underrepresented in Medicine Physician-Scientists by Expanding Conversations. *J Grad Med Educ*. 2022 Apr;14(2):162-165. doi: 10.4300/JGME-D-21-00920.1. Epub 2022 Apr 14. PMID: 35463157; PMCID: PMC9017268
  301. **McPeake J**, Henderson P, MacTavish P, Devine H, Daniel M, Lucie P, Bollan L, Hogg L, MacMahon M, Mulhern S, Murray P, O'Neill L, Strachan L, **Iwashyna TJ**, Shaw M, Quasim T. A multicentre evaluation exploring the impact of an integrated health and social care intervention for the caregivers of ICU survivors. *Crit Care*. 2022 May 24;26(1):152. doi: 10.1186/s13054-022-04014-z. PMID: 35610616; PMCID: PMC9128318
  302. **Hauschildt KE**, Hechtman RK, **Prescott HC**, **Iwashyna TJ**. Hospital Discharge Summaries Are Insufficient Following ICU Stays: A Qualitative Study. *Crit Care Explor*. 2022 Jun 9;4(6):e0715. doi: 10.1097/CCE.0000000000000715. PMID: 35702352; PMCID: PMC9187199
  303. **Eaton TL**, Sevin CM, Hope AA, Alexander S, **Iwashyna TJ**, Boehm LM, **McPeake J**. Evolution in Care Delivery within Critical Illness Recovery Programs during the COVID-19 Pandemic: A Qualitative Study. *Ann Am Thorac Soc*. 2022 Nov;19(11):1900-1906. doi: 10.1513/AnnalsATS.202203-255OC. PMID: 35731631; PMCID: PMC9667813
  304. **Prescott HC**, Seelye S, Wang XQ, Hogan CK, Smith JT, Kipnis P, Barrera F, Donnelly JP, Pogue JM, **Iwashyna TJ**, Jones MM, Liu VX. Temporal Trends in Antimicrobial Prescribing During Hospitalization for Potential Infection and Sepsis. *JAMA Intern Med*. 2022 Aug 1;182(8):805-813. doi: 10.1001/jamainternmed.2022.2291. PMID: 35759274; PMCID: PMC9237797
  305. Gustavson AM, **Eaton TL**, Schapira RM, **Iwashyna TJ**, Adly M, Purnell A. Approaches to long COVID care: the Veterans Health Administration experience in 2021. *BMJ Mil Health*. 2022 Jul 1:e002185. doi: 10.1136/military-2022-002185. Epub ahead of print. PMID: 35777859
  306. **Valbuena VSM**, Seelye S, **Sjoding MW**, **Valley TS**, Dickson RP, Gay SE, Claar D, **Prescott HC**, **Iwashyna TJ**. Racial bias and reproducibility in pulse oximetry among medical and surgical inpatients in general care in the Veterans Health Administration 2013-19: multicenter, retrospective cohort study. *BMJ*. 2022 Jul 6;378:e069775. doi: 10.1136/bmj-2021-069775. PMID: 35793817; PMCID: PMC9254870
  307. **Viglianti EM**, **Carlton EF**, **McPeake J**, Wang XQ, Seelye S, **Iwashyna TJ**. Acquisition of new medical devices among the persistently critically ill: A retrospective cohort study in the Veterans Affairs. *Medicine (Baltimore)*. 2022 Jul 8;101(27):e29821. doi: 10.1097/MD.00000000000029821. PMID: 35801748; PMCID: PMC9259166
  308. **McPeake J**, **Iwashyna TJ**, Salluh JIF. Learning Systems as a Path to Improve ICU Staff Wellbeing. *Chest*. 2022 Jul;162(1):30-32. doi: 10.1016/j.chest.2022.03.017. PMID: 35809933; PMCID: PMC9257198.
  309. Ioannou GN, Baraff A, Fox A, Shahoumian T, Hickok A, O'Hare AM, Bohnert ASB, Boyko EJ, Maciejewski ML, Bowling CB, **Viglianti E**, **Iwashyna TJ**, Hynes DM. Rates and Factors Associated With Documentation of Diagnostic Codes for Long COVID in the National Veterans Affairs Health Care System. *JAMA Netw Open*. 2022 Jul 1;5(7):e2224359. doi: 10.1001/jamanetworkopen.2022.24359. PMID: 35904783; PMCID: PMC9338411
  310. **Valbuena VSM**, **Barbaro RP**, Claar D, \***Valley TS**, Dickson RP, Gay SE, **Sjoding MW**, **Iwashyna TJ**. Response. *Chest*. 2022 Aug;162(2):e103-e104. doi: 10.1016/j.chest.2022.04.154. PMID: 35940658

311. Hauschildt KE, Hechtman RK, Prescott HC, Cagino LM, **Iwashyna TJ**. Interviews with primary care physicians identify unmet transition needs after ICU. *Crit Care*. 2022 Aug 15;26(1):248. doi: 10.1186/s13054-022-04125-7. PMID: 35971153; PMCID: PMC9376575
312. Harrod M, Kamphuis LA, Hauschildt K, Seigworth C, Korpela PR, Rouse M, Vincent BM, Nallamotheu BK, **Iwashyna TJ**. Getting better or getting by?: A qualitative study of in-hospital cardiac arrest survivors long-term recovery experiences. *SSM Qual Res Health*. 2021 Dec;1:100002. doi: 10.1016/j.ssmqr.2021.100002. Epub 2021 Aug 23. PMID: 36089989; PMCID: PMC9453782
313. Rose L, Istanboulian L, Amaral ACK, Burry L, Cox CE, Cuthbertson BH, **Iwashyna TJ**, Dale CM, Fraser I. Co-designed and consensus based development of a quality improvement checklist of patient and family-centered actionable processes of care for adults with persistent critical illness. *J Crit Care*. 2022 Dec;72:154153. doi: 10.1016/j.jcrc.2022.154153. Epub 2022 Sep 26. PMID: 36174432
314. Haines KJ, Leggett N, Hibbert E, Hall T, Boehm LM, Bakhru RN, Bastin AJ, Butcher BW, Eaton TL, Harris W, Hope AA, Jackson J, Johnson A, Kloos JA, Korzick KA, Mactavish P, Meyer J, Montgomery-Yates A, Quasim T, Slack A, Wade D, Still M, Netzer G, Hopkins RO, Mikkelsen ME, **Iwashyna TJ**, \*McPeake J, Sevin CM; Society of Critical Care Medicine's Thrive Initiative. Patient and Caregiver-Derived Health Service Improvements for Better Critical Care Recovery. *Crit Care Med*. 2022 Dec 1;50(12):1778-1787. doi: 10.1097/CCM.0000000000005681. Epub 2022 Oct 7. PMID: 36205494; PMCID: PMC9671858
315. Carlton EF, Gebremariam A, Maddux AB, McNamara N, Barbaro RP, Cornell TT, **Iwashyna TJ**, Prosser LA, Zimmerman J, Weiss S, Prescott HC. New and Progressive Medical Conditions After Pediatric Sepsis Hospitalization Requiring Critical Care. *JAMA Pediatr*. 2022 Nov 1;176(11):e223554. doi: 10.1001/jamapediatrics.2022.3554. Epub 2022 Nov 7. PMID: 36215045; PMCID: PMC9552050
316. Ioannou GN, Bohnert ASB, O'Hare AM, Boyko EJ, Maciejewski ML, Smith VA, Bowling CB, Viglianti E, **Iwashyna TJ**, Hynes DM, Berry K; COVID-19 Observational Research Collaboratory (CORC). Effectiveness of mRNA COVID-19 Vaccine Boosters Against Infection, Hospitalization, and Death: A Target Trial Emulation in the Omicron (B.1.1.529) Variant Era. *Ann Intern Med*. 2022 Dec;175(12):1693-1706. doi: 10.7326/M22-1856. Epub 2022 Oct 11. PMID: 36215715; PMCID: PMC9575390
317. Sjoding MW, **Iwashyna TJ**, Valley TS. Change the Framework for Pulse Oximeter Regulation to Ensure Clinicians Can Give Patients the Oxygen They Need. *Am J Respir Crit Care Med*. 2022 Oct 19. doi: 10.1164/rccm.202209-1773ED. Epub ahead of print. PMID: 36260769
318. Robinson-Lane SG, Leggett AN, Johnson FU, Leonard N, Carmichael AG, Oxford G, Miah T, Wright JJ, Blok AC, **Iwashyna TJ**, Gonzalez R. Caregiving in the COVID-19 pandemic: Family adaptations following an intensive care unit hospitalisation. *J Clin Nurs*. 2022 Oct 19;10.1111/jocn.16560. doi: 10.1111/jocn.16560. Epub ahead of print. PMID: 36262026; PMCID: PMC9874809
319. TEAM Study Investigators and the ANZICS Clinical Trials Group; Hodgson CL, Bailey M, Bellomo R, Brickell K, Broadley T, Buhr H, Gabbe BJ, Gould DW, Harrold M, Higgins AM, Hurford S, **Iwashyna TJ**, Serpa Neto A, Nichol AD, Presneill JJ, Schaller SJ, Sivasuthan J, Tipping CJ, Webb S, Young PJ. Early Active Mobilization during Mechanical Ventilation in the ICU. *N Engl J Med*. 2022 Nov 10;387(19):1747-1758. doi: 10.1056/NEJMoa2209083. Epub 2022 Oct 26. PMID: 36286256
320. O'Hare AM, Vig EK, **Iwashyna TJ**, Fox A, Taylor JS, Viglianti EM, Butler CR, Vranas KC, Helfand M, Tuepker A, Nugent SM, Winchell KA, Laundry RJ, Bowling CB, Hynes DM, Maciejewski ML, Bohnert ASB, Locke ER, Boyko EJ, Ioannou GN; VA COVID Observational Research Collaboratory (CORC). Complexity and Challenges of the Clinical Diagnosis and Management of Long COVID. *JAMA Netw Open*. 2022 Nov 1;5(11):e2240332. doi: 10.1001/jamanetworkopen.2022.40332. PMID: 36326761; PMCID: PMC9634500
321. Bajema KL, Wang XQ, Hynes DM, Rowneki M, Hickok A, Cunningham F, Bohnert A, Boyko EJ, **Iwashyna TJ**, Maciejewski ML, \*Viglianti EM, Streja E, Yan L, Aslan M, Huang GD, Ioannou GN. Early Adoption of Anti-SARS-CoV-2 Pharmacotherapies Among US Veterans With Mild to Moderate COVID-19, January and February 2022. *JAMA Netw Open*. 2022 Nov 1;5(11):e2241434. doi: 10.1001/jamanetworkopen.2022.41434. PMID: 36367727; PMCID: PMC9652752
322. Admon AJ, Wander PL, **Iwashyna TJ**, Ioannou GN, Boyko EJ, Hynes DM, Bowling CB, Bohnert ASB, O'Hare AM, Smith VA, Pura J, Hebert PL, Wong ES, Niederhausen M, Maciejewski ML. Consensus elements for observational research on COVID-19-related long-term outcomes. *Medicine (Baltimore)*. 2022 Nov 18;101(46):e31248. doi: 10.1097/MD.00000000000031248. PMID: 36401423; PMCID: PMC9678399
323. Hejjaji V, Chakrabarti AK, Nallamotheu BK, **Iwashyna TJ**, Krein SL, Trumpower B, Kennedy M, Chinnakondepalli K, Malik AO, Chan PS. Corrigendum to 'Association Between Hospital Resuscitation Team Leader Credentials and Survival Outcomes for In-Hospital Cardiac Arrest' [Mayo Clinic Proceedings Innovation

Quality Outcomes, 2021, Vol 5, Issue 6, Pages 1021-1028, Article Number: doi:

10.1016/j.mayocpiqo.2021.06.002]. Mayo Clin Proc Innov Qual Outcomes. 2022 Nov 18;6(6):636. doi:

10.1016/j.mayocpiqo.2021.12.001. Erratum for: Mayo Clin Proc Innov Qual Outcomes. 2021 Oct 28;5(6):1021-1028. PMID: 36419873; PMCID: PMC9676428

324. Fawzy A, Valbuena VSM, Chesley CF, Wu TD, **Iwashyna TJ**. Dynamic Errors in Pulse Oximetry Preclude Use of Correction Factor. *Ann Am Thorac Soc*. 2023 Feb;20(2):338-339. doi: 10.1513/AnnalsATS.202210-872LE. PMID: 36442148
325. Ervin JN, Dibble MR, Rentes VC, Sjoding MW, Gong MN, Hough CL, **Iwashyna TJ**, Sales AE. Prioritizing evidence-based practices for acute respiratory distress syndrome using digital data: an iterative multi-stakeholder process. *Implement Sci*. 2022 Dec 16;17(1):82. doi: 10.1186/s13012-022-01255-y. PMID: 36527136; PMCID: PMC9756680
326. Eaton TL, Lewis A, Donovan HS, Davis BC, Butcher BW, Alexander SA, **Iwashyna TJ**, Scheunemann LP, Seaman J. Examining the needs of survivors of critical illness through the lens of palliative care: A qualitative study of survivor experiences. *Intensive Crit Care Nurs*. 2022 Dec 15:103362. doi: 10.1016/j.iccn.2022.103362. Epub ahead of print. PMID: 36528461
327. Bajema KL, Berry K, Streja E, Rajeevan N, Li Y, Yan L, Cunningham F, Hynes DM, Rowneki M, Bohnert A, Boyko EJ, **Iwashyna TJ**, Maciejewski ML, Osborne TF, Viglianti EM, Aslan M, Huang GD, Ioannou GN. Effectiveness of COVID-19 treatment with nirmatrelvir-ritonavir or molnupiravir among U.S. Veterans: target trial emulation studies with one-month and six-month outcomes. *medRxiv [Preprint]*. 2022 Dec 16:2022.12.05.22283134
328. National Heart, Lung, and Blood Institute Prevention and Early Treatment of Acute Lung Injury Clinical Trials Network; Shapiro NI, Douglas IS, Brower RG, Brown SM, Exline MC, Ginde AA, Gong MN, Grissom CK, Hayden D, Hough CL, Huang W, **Iwashyna TJ**, Jones AE, Khan A, Lai P, Liu KD, Miller CD, Oldmixon K, Park PK, Rice TW, Ringwood N, Semler MW, Steingrub JS, Talmor D, Thompson BT, Yealy DM, Self WH. Early Restrictive or Liberal Fluid Management for Sepsis-Induced Hypotension. *N Engl J Med*. 2023 Feb 9;388(6):499-510. doi: 10.1056/NEJMoa2212663. Epub 2023 Jan 21. PMID: 36688507
329. Viglianti EM, Admon AJ, Carlton EE, Denstaedt SJ, Valley TS, Costa DK, Cooke CR, Dickson R, **Iwashyna TJ**, Prescott HC. Development and Retention of Early-Career Clinician-Scientists through a Novel Peer Mentorship Program: Multidisciplinary Intensive Care Research Workgroup. *ATS Sch*. 2022 Oct 4;3(4):588-597. doi: 10.34197/ats-scholar.2022-0039IN. PMID: 36726705; PMCID: PMC9886001
330. Bajema KL, Rowneki M, Berry K, Bohnert A, Bowling CB, Boyko EJ, **Iwashyna TJ**, Maciejewski ML, O'Hare AM, Osborne TF, Viglianti EM, Hynes DM, Ioannou GN. Rates of and Factors Associated With Primary and Booster COVID-19 Vaccine Receipt by US Veterans, December 2020 to June 2022. *JAMA Netw Open*. 2023 Feb 1;6(2):e2254387. doi: 10.1001/jamanetworkopen.2022.54387. PMID: 36729454; PMCID: PMC9896301
331. Admon AJ, **Iwashyna TJ**, Kamphuis LA, Gundel SJ, Sahetya SK, Peltan ID, Chang SY, Han JH, Vranas KC, Mayer KP, Hope AA, Jolley SE, Caldwell E, Monahan ML, Hauschildt K, Brown SM, Aggarwal NR, Thompson BT, Hough CL; National Heart, Lung, and Blood Institute PETAL Network. Assessment of Symptom, Disability, and Financial Trajectories in Patients Hospitalized for COVID-19 at 6 Months. *JAMA Netw Open*. 2023 Feb 1;6(2):e2255795. doi: 10.1001/jamanetworkopen.2022.55795. PMID: 36787143; PMCID: PMC9929698
332. Viglianti EM, Meeks LM, Oliverio AL, Lee KT, **Iwashyna TJ**, Hingle ST. Self-reported Sexual Harassment and Subsequent Reporting Among Internal Medicine Residency Trainees in the US. *JAMA Intern Med*. 2023 Mar 1;183(3):269-271. doi: 10.1001/jamainternmed.2022.6108. PMID: 36648861; PMCID: PMC9857703.
333. Costa DK, Ratliff HC, Kelly M, Prescott HC, Munroe E, Hyzy RC, Watson S, Nowak C, **Iwashyna TJ**. Extubation of Patients Receiving Vasopressor Infusions: Results of a Survey on Statewide Practices. *Am J Crit Care*. 2023 Mar 1;32(2):127-130. doi: 10.4037/ajcc2023489. PMID: 36854911.
334. Sjoding MW, **Iwashyna TJ**, Valley TS. Change the Framework for Pulse Oximeter Regulation to Ensure Clinicians Can Give Patients the Oxygen They Need. *Am J Respir Crit Care Med*. 2023 Mar 15;207(6):661-664. doi: 10.1164/rccm.202209-1773ED. PMID: 36260769; PMCID: PMC10037469.
335. Eaton TL, Lewis A, Donovan HS, Davis BC, Butcher BW, Alexander SA, **Iwashyna TJ**, Scheunemann LP, Seaman J. Examining the needs of survivors of critical illness through the lens of palliative care: A qualitative study of survivor experiences. *Intensive Crit Care Nurs*. 2023 Apr;75:103362. doi: 10.1016/j.iccn.2022.103362. Epub 2022 Dec 15. PMID: 36528461.
336. Smith VA, Berkowitz TSZ, Hebert P, Wong ES, Niederhausen M, Pura JA, Berry K, Green P, Korpak A, Fox A, Baraff A, Hickok A, Shahoumian TA, Bohnert ASB, Hynes DM, Boyko EJ, Ioannou GN, **Iwashyna TJ**, Bowling CB, O'Hare AM, Maciejewski ML. Design and analysis of outcomes following SARS-CoV-2 infection in

- veterans. *BMC Med Res Methodol.* 2023 Apr 4;23(1):81. doi: 10.1186/s12874-023-01882-z. PMID: 37016340; PMCID: PMC10071454
337. Kohne JG, **Iwashyna TJ**, Flori HR, **Barbaro RP**. Big Kids or Little Adults? Acute Lung Injury Research in Adolescents and Young Adults. *Ann Am Thorac Soc.* 2023 Aug;20(8):1096-1098. doi:10.1513/AnnalsATS.202302-097IP PMID: 37075304.
338. Karlic KJ, **Valley TS**, Cagino LM, **Prescott HC**, **Iwashyna TJ**, Mohammad RA, Pitcher M, Haezebrouck E, McSparron JI. Identification of Patient Safety Threats in a Post-Intensive Care Clinic. *Am J Med Qual.* 2023 May-Jun 01;38(3):117-121. doi: 10.1097/JMQ.000000000000118. Epub 2023 Mar 24. PMID: 36951467; PMCID: PMC10159998.
339. **Valley TS**, Schutz A, Miller J, Miles L, Lipman K, **Eaton TL**, Kinni H, Cooke CR, **Iwashyna TJ**. Hospital factors that influence ICU admission decision-making: a qualitative study of eight hospitals. *Intensive Care Med.* 2023 May;49(5):505-516. doi: 10.1007/s00134-023-07031-w. Epub 2023 Mar 23. PMID: 36952016; PMCID: PMC10035493.
340. Boltey E, **Iwashyna T**, Cohn A, Costa D. Identifying the unique behaviors embedded in the process of interprofessional collaboration in the ICU [published online ahead of print, 2023 Apr 22]. *J Interprof Care.* 2023;1-9. doi:10.1080/13561820.2023.2202218
341. Becker NV, **Carlton EF**, **Iwashyna TJ**, Scott JW, Moniz MH, Ayanian JZ. Patient adverse financial outcomes before and after COVID-19 infection. *J Hosp Med.* 2023 May;18(5):424-428. doi: 10.1002/jhm.13105. Epub 2023 Apr 17. PMID: 37069741.
342. Bohnert AS, Kumbier K, Rowneki M, Gupta A, Bajema K, Hynes DM, **Viglianti E**, O'Hare AM, Osborne T, Boyko EJ, Young-Xu Y, **Iwashyna TJ**, Maciejewski M, Schildhouse R, Dimcheff D, Ioannou GN. Adverse outcomes of SARS-CoV-2 infection with delta and omicron variants in vaccinated versus unvaccinated US veterans: retrospective cohort study. *BMJ.* 2023 May 23;381:e074521. doi: 10.1136/bmj-2022-074521. PMID: 37220941.
343. Bajema KL, Berry K, Streja E, Rajeevan N, Li Y, Mutalik P, Yan L, Cunningham F, Hynes DM, Rowneki M, Bohnert A, Boyko EJ, **Iwashyna TJ**, Maciejewski ML, Osborne TF, **Viglianti EM**, Aslan M, Huang GD, Ioannou GN. Effectiveness of COVID-19 Treatment With Nirmatrelvir-Ritonavir or Molnupiravir Among U.S. Veterans: Target Trial Emulation Studies With One-Month and Six-Month Outcomes. *Ann Intern Med.* 2023 Jun;176(6):807-816. doi: 10.7326/M22-3565. Epub 2023 Jun 6. PMID: 37276589; PMCID: PMC10243488.
344. Cagino LM, Moskowitz A, Nallamotheu BK, McSparron J, **Iwashyna TJ**; American Heart Association's Get With The Guidelines-Resuscitation Investigators. Trends in Return of Spontaneous Circulation and Survival to Hospital Discharge for In-Intensive Care Unit Cardiac Arrests. *Ann Am Thorac Soc.* 2023 Jul;20(7):1012-1019. doi: 10.1513/AnnalsATS.202205-393OC. PMID: 36939838.
345. Short A, McPeake J, Andonovic M, McFee S, Quasim T, Leyland A, Shaw M, **Iwashyna TJ**, MacTavish P. Medication-related problems in critical care survivors: a systematic review. *Eur J Hosp Pharm.* 2023;30(5):250-256. doi:10.1136/ejhpharm-2023-003715
346. **Iwashyna TJ**, Seelye S, Berkowitz TS, Pura J, Bohnert ASB, Bowling CB, Boyko EJ, Hynes DM, Ioannou GN, Maciejewski ML, O'Hare AM, **Viglianti EM**, Womer J, Prescott HC, Smith VA; VA HSR&D COVID-19 Observational Research Collaboratory. Late Mortality After COVID-19 Infection Among US Veterans vs Risk-Matched Comparators: A 2-Year Cohort Analysis [published online ahead of print, 2023 Aug 21]. *JAMA Intern Med.* 2023;e233587. doi:10.1001/jamainternmed.2023.3587
347. Fawzy A, Wu TD, Wang K, Sands KE, Fisher AM, Arnold Egloff SA, DellaVolpe JD, **Iwashyna TJ**, Xu Y, Garibaldi BT. Clinical Outcomes Associated With Overestimation of Oxygen Saturation by Pulse Oximetry in Patients Hospitalized With COVID-19. *JAMA Netw Open.* 2023;6(8):e2330856. Published 2023 Aug 1. doi:10.1001/jamanetworkopen.2023.30856
348. Smith VA, Berkowitz TSZ, Hebert P, Wong ES, Niederhausen M, Pura JA, Berry K, Green P, Korpak A, Fox A, Baraff A, Hickok A, Shahoumian TA, Bohnert ASB, Hynes D, Boyko EJ, Ioannou GN, **Iwashyna TJ**, Bowling CB, O'Hare AM, Maciejewski ML. Correction: Design and analysis of outcomes following SARS-CoV-2 infection in veterans. *BMC Med Res Methodol.* 2023;23(1):194. Published 2023 Aug 25. doi:10.1186/s12874-023-02021-4
349. Harrod M, Hauschildt K, Kamphuis LA, Korpela PR, Rouse M, Nallamotheu BK, **Iwashyna TJ**. Disrupted Lives: Caregivers' Experiences of In-Hospital Cardiac Arrest Survivors' Recovery 5 Years Later. *J Am Heart Assoc.* 2023 Sep 19;12(18):e028746. doi: 10.1161/JAHA.122.028746. Epub 2023 Sep 6. PMID: 37671627; PMCID: PMC10547269.
350. Han JH, Jackson JC, Orun OM, Brown SM, Casey JD, Clark L, Collins SP, Cordero K, Ginde AA, Gong MN, Hough CL, **Iwashyna TJ**, Kiehl AL, Lauck A, Leither LM, Lindsell CJ, Patel MB, Raman R, Rice TW, Ringwood

- NJ, Sheppard KL, Semler MW, Thompson BT, Ely EW, Self WH; National Heart, Lung, and Blood Institute PETAL Clinical Trials Network. Modifiable in-hospital factors for 12-month global cognition, post-traumatic stress disorder symptoms, and depression symptoms in adults hospitalized with COVID-19. *Influenza Other Respir Viruses*. 2023;17(9):e13197. doi:10.1111/irv.13197
351. **Iwashyna TJ**, Seelye S, Berkowitz TS, Pura J, Bohnert ASB, Bowling CB, Boyko EJ, Hynes DM, Ioannou GN, Maciejewski ML, O'Hare AM, Vigiante EM, Womer J, Prescott HC, Smith VA; VA HSR&D COVID-19 Observational Research Collaboratory. Late Mortality After COVID-19 Infection Among US Veterans vs Risk-Matched Comparators: A 2-Year Cohort Analysis. *JAMA Intern Med*. 2023 Oct 1;183(10):1111-1119. doi: 10.1001/jamainternmed.2023.3587.
  352. Eaton TL, Lincoln TE, Lewis A, Davis BC, Sevin CM, Valley TS, Donovan HS, Seaman J, **Iwashyna TJ**, Alexander S, Scheunemann LP. Palliative Care in Survivors of Critical Illness: A Qualitative Study of Post-Intensive Care Unit Program Clinicians. *J Palliat Med*. 2023 Oct 13. doi: 10.1089/jpm.2023.0034. Epub ahead of print.
  353. Presneill JJ, Bellomo R, Brickell K, Buhr H, Gabbe BJ, Gould DW, Harrold M, Higgins AM, Hurford S, **Iwashyna TJ**, Neto AS, Nichol A, Schaller SJ, Sivasuthan J, Tipping C, Webb S, Young P, Hodgson CL; TEAM Study Investigators and the Australian and New Zealand Intensive Care Society Clinical Trials Group. Protocol and statistical analysis plan for the phase 3 randomised controlled Treatment of Invasively Ventilated Adults with Early Activity and Mobilisation (TEAM III) trial. *Crit Care Resusc*. 2023 Oct 18;23(3):262-272. doi: 10.51893/2021.3.OA3.
  354. Tseitkin B, Mårtensson J, Eastwood GM, Brown A, Ancona P, Lucchetta L, **Iwashyna TJ**, Robbins R, Bellomo R. Nature and impact of in-hospital complications associated with persistent critical illness. *Crit Care Resusc*. 2023 Oct 18;22(4):378-387. doi: 10.51893/2020.4.OA11. PMID: 38046870; PMCID: PMC10692497.
  355. Hynes DM, Niederhausen M, Chen JI, Shahoumian TA, Rowneki M, Hickok A, Shepherd-Banigan M, Hawkins EJ, Naylor J, Teo A, Govier DJ, Berry K, McCready H, Osborne TF, Wong E, Hebert PL, Smith VA, Bowling CB, Boyko EJ, Ioannou GN, **Iwashyna TJ**, Maciejewski ML, O'Hare AM, Vigiante EM, Bohnert AS. Risk of Suicide-Related Outcomes After SARS-COV-2 Infection: Results from a Nationwide Observational Matched Cohort of US Veterans. *J Gen Intern Med*. 2023 Oct 26. doi: 10.1007/s11606-023-08440-9. Epub ahead of print. PMID: 37884839.
  356. Ioannou GN, Berry K, Rajeevan N, Li Y, Mutalik P, Yan L, Bui D, Cunningham F, Hynes DM, Rowneki M, Bohnert A, Boyko EJ, **Iwashyna TJ**, Maciejewski ML, Osborne TF, Vigiante EM, Aslan M, Huang GD, Bajema KL. Effectiveness of Nirmatrelvir-Ritonavir Against the Development of Post-COVID-19 Conditions Among U.S. Veterans : A Target Trial Emulation. *Ann Intern Med*. 2023 Nov;176(11):1486-1497. doi: 10.7326/M23-1394. Epub 2023 Oct 31. PMID: 37903369; PMCID: PMC10620954.
  357. Leggett AN, Robinson-Lane SG, Oxford G, Leonard N, Carmichael AG, Baker E, Paratore J, Blok AC, Prescott HC, **Iwashyna TJ**, Gonzalez R. Barriers to and Facilitators of Family Caregiving of Patients With COVID-19 Early in the Pandemic. *Am J Crit Care*. 2023 Nov 1;32(6):431-439. doi: 10.4037/ajcc2023364. PMID: 37907378.
  358. Boltey E, **Iwashyna TJ**, Cohn A, Costa D. Identifying the unique behaviors embedded in the process of interprofessional collaboration in the ICU. *J Interprof Care*. 2023 Nov 2;37(6):857-865. doi: 10.1080/13561820.2023.2202218. Epub 2023 Apr 22. PMID: 37086195.
  359. Donnelly JP, Seelye SM, Kipnis P, McGrath BM, **Iwashyna TJ**, Pogue J, Jones M, Liu VX, Prescott HC. Impact of Reducing Time-to-Antibiotics on Sepsis Mortality, Antibiotic Use, and Adverse Events. *Ann Am Thorac Soc*. 2023 Nov 7. doi: 10.1513/AnnalsATS.202306-505OC. Epub ahead of print. PMID: 37934602.
  360. Fawzy A, Ali H, Dziedzic PH, Potu N, Calvillo E, Golden SH, **Iwashyna TJ**, Suarez JI, Hager DN, Garibaldi BT. Skin Pigmentation and Pulse Oximeter Accuracy in the Intensive Care Unit: a Pilot Prospective Study. medRxiv [Preprint]. 2023 Nov 17:2023.11.16.23298645. doi: 10.1101/2023.11.16.23298645. PMID: 38014046; PMCID: PMC10680877.
  361. Eaton TL, Gersten RA, **Iwashyna TJ**. It Is Feasible to Relieve Distressing Symptoms after the ICU. *Am J Respir Crit Care Med*. 2023 Dec 1;208(11):1151-1153. doi: 10.1164/rccm.202310-1768ED. PMID: 37878817.

#### Review Articles [RA]

1. **Iwashyna TJ**, Courey AJ: Guided transfer of critically ill patients: where patients are transferred can be an informed choice. *Curr Opin Crit Care*. Dec 17(6): 641-647, 2011. PM21897217
2. Christianson MK, Sutcliffe KM, Miller MA, **Iwashyna TJ**: Becoming a high reliability organization. *Crit Care*. Dec 15(6): 314, 2011. PM22188677/PMC3388695
3. **Iwashyna TJ**: The incomplete infrastructure for interhospital patient transfer. *Crit Care Med*. Aug 40(8):

- 2470-2478, 2012. PM22809914
4. **Iwashyna TJ**, Netzer G: The burdens of survivorship: an approach to thinking about long-term outcomes after critical illness. *Semin Respir Crit Care Med*. Aug 33(4): 327-338, 2012. PM22875378
  5. **Cooke CR, Iwashyna TJ**: Using existing data to address important clinical questions in critical care. *Crit Care Med*. Mar 41(3): 886-896, 2013. PM23328262/PMC3684417
  6. Dammeyer JA, Baldwin N, Packard D, Harrington S, Christofferson B, Christopher J, Strachan CL, **Iwashyna TJ**: REVIEW: Mobilizing outcomes: implementation of nurse-led multidisciplinary mobility program. *Crit Care Nurs Q*. Jan-Mar 36(1): 109-119, 2013. PM23221447
  7. **Iwashyna TJ**, Kennedy EH: Instrumental variable analyses: Exploiting natural randomness to understand causal mechanisms *Ann Am Thorac Soc*. Jun 10(3): 255-260, 2013. PM23802827/PMC3960904
  8. **Iwashyna TJ**, Liu V: What's so different about big data?: A primer for clinicians trained to think epidemiologically *Ann Am Thorac Soc*. Sep 11(7): 1130-1135, 2014. PM25102315/PMC4214055
  9. Sjoding MJ, **Iwashyna TJ**: Year-in-review: room to improve current care for ARDS. *The Lancet Resp Med*: 2016. (In Press)
  10. Hodgson CL, Watts NR, **Iwashyna TJ**: Long-term outcomes after critical illness relevant to randomized clinical trials. *Int Care and Emerg Med* J-L Vincent: 465-476, 2016.
  11. Mikkelsen ME, Jackson RO, Thompson C, Andrews A, Netzer G, Bates DM, Bunnell AE, Christie LM, Greenberg SB, Lamas DJ, Sevin CM, Weinhouse G, **Iwashyna TJ**: Peer support as novel strategy to mitigate post-intensive care syndrome. *AACN Adv Crit Care*. Apr-Jun 27(2): 221-229, 2016. PM27153311
  12. McPeake J, **Iwashyna TJ**, Devine H, MacTavish P, Quasim T: Peer support to improve recovery following critical care discharge: a case-based discussion. *Thorax*. Sep 72(9): 856-858, 2017. (In Press) PM28213591

#### Case Reports [CR]

NONE

#### Book Chapters, Monographs [BC]

1. **Sekaran NK, Iwashyna TJ**: Patterns of recovery after critical illness. Textbook of post-ICU medicine: the legacy of critical care, Stevens RD, Hart N, Herridge MS. Oxford University Press, 2014
2. **Iwashyna TJ**, Kahn JM: Regionalization of critical care. The organization of critical care: an evidence-based approach to improving quality, Scales D, Rubenfeld G, eds. Springer, 2014
3. **Iwashyna TJ, Cooke CR**: Design decisions in regional systems of care. Oxford Textbook of Critical Care Medicine, 2nd edition, Webb A, Angus D, Finfer S, Gattinoni L, Singer M, eds. Oxford U P, 2016.
4. **Iwashyna TJ**: What problems are prevalent among survivors of critical illness and which of those are consequences of critical illness. Evidence-Based Practice in Critical Care, 2nd edition, Deutschman CS, Neligan PJ, eds. Elsevier, 2016.

#### Books, Textbooks [BK]

NONE

#### Other Publications: Suggested Additional Subcategory Titles: *May adjust as necessary for your specialty*

##### Proceedings Reports [PR]

1. Kahn JM, Scales DC, Au DH, Carson SS, Curtis JR, Dudley RA, **Iwashyna TJ**, Krishnan JA, Maurer JR, Mularski R, Popovich J, Rubenfeld GD, Sinuff T, Heffner JE, American Thoracic Society Pay-for-Performance Working Group: An official American Thoracic Society policy statement: pay-for-performance in pulmonary, critical care, and sleep medicine. *Am J Respir Crit Care Med*. Apr 181(7): 752-761, 2010. PM20335385
2. Glickman SW, Kit Delgado M, Hirshon JM, Hollander JE, **Iwashyna TJ**, Jacobs AK, Kilaru AS, Lorch SA, Mutter RL, Myers SR, Owens PL, Phelan MP, Pines JM, Seymour CW, Ewen Wang N, Branas CC, 2010 Academic emergency medicine consensus conference: Beyond regionalization: Integrated networks of emergency care: Defining and measuring successful emergency care networks: a research agenda. *Acad Emerg Med*. Dec 17(12): 1297-1305, 2010. PM21122011
3. Elliott D, Davidson Je, Harvey MA, Bemis-Dougherty A, Hopkins RO, **Iwashyna TJ**, Wagner J, Weinert C, Wunsch H, Bienvenu OJ, Black G, Brady S, Brodsky MB, Deutschman C, Doepf D, Flatley C, Fosnight S, Gittler M, Gomez BT, Hyzy R, Louis D, Mandel R, Maxwell C, Muldoon SR, Perme CS, Reilly C, Robinson

- MR, Rubin E, Schmidt DM, Schuller J, Scruth E, Siegal E, Spill GR, Sprenger S, Straumanis JP, Sutton P, Swoboda SM, Twaddle ML, Needham DM: Exploring the scope of post-intensive care syndrome therapy and care: engagement of non-critical care providers and survivors in a second stakeholders meeting. *Crit Care Med* 42(12): 2518-2526, 2014. PMID25083984
4. Latronico N, Herridge M, Hopkins RO, Angus D Hart N, Hermans G, **Iwashyna TJ**, Arabi Y, Citerio G, Ely WE, Hall J, Mehta S, Puntillo K, Van den Hoeven J, Wunsch H, Cook D, Dos Santos C, Rubenfeld GD, Vincent J-L, Van den Berghe G, Axoulay E, Needham DM: The ICM research agenda on intensive care unit acquired weakness. *Int Care Med*. Sep 43(9): 1270-1281, 2017. PMID28289812
  5. Azoulay, E; Vincent, JL; Herridge, M; Angus, D; Arabi, Y; Brochard, L; Brett, J; Citerio, G; Cook, D; Curtis, JR; Dos Santos, C; Ely, W; Hall, J; Halpern, S; Hart, N; Hopkins, R; **Iwashyna, TJ**; Jaber, S; Latronico, N; Mehta, S; Needham, S; Nelson, J; Puntillo, K; Quintel, M; Rowan, K; Rubenfeld, G; Van den Berghe, G; Van der Hoeven, J; Wunsch, H: Recovery after critical illness: putting the puzzle together - a consensus of 29 *Crit Care*. Dec 21(1): 296, 2017. PMID29208005/PMC5718148

## Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL]

2021 Surviving Sepsis Guidelines

### Editorials [ED]

1. **Iwashyna TJ**, Christakis NA: Signs of death. *J Palliat Med* 4(4): 451-452, 2001. PMID11798475
2. **Iwashyna TJ**, Christakis NA: Physicians, patients, and prognosis (editorial). *Western J Med*. Apr 174(4): 253-254, 2001. PMID1071349
3. **Iwashyna TJ**, Lynch J: Seduction and insight from cross-national comparisons. *Am J Resp Crit Care Med*180(9): 799-800, 2009. PMID19843825
4. **Iwashyna TJ**: Survivorship will be the defining challenge of critical care in the 21st century. *Ann Int Med*.Aug 153(3): 204-205, 2010. PMID20679565
5. **Iwashyna TJ**: Trajectories of recovery and dysfunction after acute illness, with implications for clinical trial design. *Am J Respir Crit Care Med*. Aug 186(4): 302-304, 2012. PMID22896591/PMC3443808
6. Seymour CW, **Iwashyna TJ**, **Cooke CR**: Managing uncertainty in claims-based sepsis research. *Crit Care Med*. Apr 41(4): 1134-1136, 2013. PMID23528757
7. **Iwashyna TJ**, Hansen-Flaschen J: Editors' introduction to ATS seminars: demystifying data. *Ann Am Thorac Soc*. Jun 10(3): 251-252, 2013. PMID23802824
8. **Iwashyna TJ**, Odden AJ: EDITORIAL: Sepsis after Scotland: enough with the averages, show us the effect modifiers. *Crit Care*. Jun 17(3): 148, 2013. PMID3706923
9. **Iwashyna TJ**, **Prescott HC**: When is critical illness not like an asteroid strike? *Am J Resp Crit Care Med*. Sep 188(5): 525-527, 2013. PMID23992586/PMC3462893
10. **Iwashyna TJ**, Amaral ACK-B: REVEIW: Specific diagnoses of organizational dysfunction to guide mechanism-based quality improvement interventions. *Int Care and Emerg Med* ed.J-L Vincent: 735-744, 2014.
11. **Iwashyna TJ**, **Govindan S**: Did they just prove that a diagnosis of "septic shock" is meaningless? *Am J Resp Crit Care Med* 189(10): 1156-1157, 2014. PMID4225854
12. Yende S, **Iwashyna TJ**, Angus DC: Interplay between sepsis and chronic health *Trends Mol Med*. Apr 20 (4): 234-238, 2014. PMID24636941/PMC4016696
13. **Iwashyna TJ**, Angus DC: Declining case fatality rates for severe sepsis: good data bring good news with ambiguous implications. *JAMA*. Apr 311(13): 1295-1297, 2014. PMID24638109
14. **Prescott HC**, **Iwashyna TJ**: Somatic Symptoms in survivors of critical illness *Lancet Respir. Med*. May 2 (5): 341-3, 2014. PMID2481578
15. **Iwashyna TJ**, **Govindan S**: Did they just prove that a diagnosis of "septic shock" is meaningless? *Am. J. Respir. Crit. Care Med*. May 189(10): 1156-1157, 2014. PMID24832739/PMC4225854
16. **Cooke CR**, **Iwashyna TJ**: Sepsis mandates: Improving inpatient care while advancing quality improvement *JAMA*. Oct 312(14): 1397-1398, 2014. PMID25291572/PMC4813658
17. **Govindan S**, **Iwashyna TJ**, Odden A, Flanders SA, Chopra V: Mobilization in severe sepsis: An integrative review *J Hosp Med*. Jan 10(1): 54-59, 2015. PMID25393649/PMC4355156



18. **Iwashyna TJ**, Hodgson CL, Pilcher D, Orford N, Santamaria JD, Bailey M, Bellomo R: Towards defining persistent critical illness and other varieties of chronic critical illness *Crit Care Resusc.* Sep 17(3): 215- 218, 2015. PM26282262
19. **Iwashyna TJ**, Burke JF, Sussman JB, Prescott HC, Hayward RA, Angus DC: Implications of heterogeneity of treatment effect for reporting and analysis of randomized trials in critical care *Am J Respir Crit Care Med.* Nov 192(9): 1045-1051, 2015. PM26177009/PMC4642199
20. Hodgson CL, **Iwashyna TJ**, Schweickert WD: All that work and no gain — what should we do to restore physical function in our survivors? *Am J Respir Crit Care Med.* May 193(10): 1071-1072, 2016. PM27174472
21. Sales A, **Iwashyna TJ**: COMMENT "Ethnography as a methodological descriptor: the editors reply". *BMJ Qual Saf.* Jul 25(7): 558, 2016. PM26939873
22. Govidan S, **Iwashyna TJ**: Sepsis-3 for hospitalists: sepsis without SIRS. *Ann Intern Med,* Aug 165(4): H02-H03, 2016. PM27538174
23. **Iwashyna TJ**, Speelman EC: Advancing a third revolution into critical care. *Am J Respir Crit Care Med.* Oct 194(7): 782-783, 2016. PM27689702
24. **Iwashyna TJ**, Hodgson CL: Early mobilisation in ICU is far more than just exercise *Lancet.* Oct 388 (10052): 1351-1352, 2016. PM27707476
25. **Iwashyna TJ**. Haines KJ.: Toward more perfect partnerships with survivors in practice, research, and education. *Ann Am Thorac Soc.* Nov 13(11): 1877-1878, 2016. PM27831806
26. Viglianti EM, **Iwashyna TJ**: Toward the ideal ratio of patients to intensivists: finding a reasonable balance. *JAMA Intern Med.* Mar 177(3): 396-398, 2017. PM28118655
27. Haines KJ, Kelly P, Fitzgerald P, Skinner EH, **Iwashyna TJ**: The untapped potential of patient and family engagement in the organization of critical care. *Crit Care Med* May 45(5): 899-906, 2017. PM28234753
28. Netzer G, **Iwashyna TJ**: Fair is Fair: Preventing the misuse of visiting hours to reduce inequities. *Annals.ATS* 14(12): 1744-1746, 2017. PM29019704
29. Govindan S, Wallace B, **Iwashyna TJ**, Chopra V: Do Experts Understand Performance Measures? A Mixed Methods Study of Infection Preventionists? *Infect Control Hosp Epidemiol.* Jan 39(1): 71-76, 2018. (In Press) PMID29220884
30. Costa DK, Valley TS, Miller M, Manojlovich M, Watson SR, McLellan P, Pope C, Hyzy RC, **Iwashyna TJ**: ICU team composition and its association with ABCDE implementation in a quality collaborative *J Crit Care* Apr 44: 1-6, 2018. PMID28978488/PMC5831474

Methods and Techniques, “How I Do It” articles [MT]

NONE

Research Letters/White Papers/Brief Reports [RL]

NONE

Published Curricula [PC], Learner Assessment Tools, Educational Evaluations, Assessment/Evaluation Instruments [PC]

NONE

Letters, Correspondence [LT]

1. **Iwashyna, Theodore J**: Do Hospitals Value Everyone? This Winter, They Have a Chance to Prove It, Opinion, <https://www.nytimes.com/2020/10/30/opinion/coronavirus-treatment-hospitals.html>, New York Times, 2020.

Media Releases or Interviews [MR] (*show by: Date Details*)

NONE

Other Media [OM] (Videos, Websites, Blogs, Social Media, etc.) (*show by: Date Details*)

1. **Iwashyna, Theodore J**: Sad? Inspiring? Rage-Fueled? What Kind of Story from the Medical Front Lines of the COVID-19 Crisis Do You Want?, First Essay in McSweeney's "Flattened by the Curve" series, <https://www.mcsweeneys.net/articles/sad-inspiring-rage-fueled-what-kind-of-story-from-the-medical-front-lines-of-the-covid-19-crisis-do-you-want>, McSweeney's, 2020.
2. **Iwashyna, Theodore J**: Should we put multiple COVID-19 patients on a single ventilator? <https://litfl.com/should-we-put-multiple-covid-19-patients-on-a-single-ventilator/> Life In The Fast Lane, 2020

3. Lynch, Julia F, Perera, Isabel, **Iwashyna, Theodore J**: A Practical Approach to Running a Scarce Resource Allocation Team (SRAT) <https://litfl.com/a-practical-approach-to-running-a-scarce-resource-allocation-team-srat/> Life in the Fast Lane, 2020
4. **Iwashyna, Theodore J**, Johnson, Andrea B, McPeake, Joanne, McSparron, Jakob, Prescott, Hallie C, Sevin, Carla: The Dirty Dozen: Common Errors On Discharging Patients Recovering From Critical Illness <https://litfl.com/the-dirty-dozen-common-errors-on-discharging-patients-recovering-from-critical-illness> Life in the Fast Lane, 2020
5. Nickson, Chris, **Iwashyna, Theodore J**, Young, Paul D: COVID-19: Keeping the baby in the bath. <https://litfl.com/covid-19-keeping-the-baby-in-the-bath/> Life In The Fast Lane, 2021
6. **Iwashyna, Theodore J**, Iwashyna, Sage, Sharfstein, Joshua “641 - What Can We Learn About Medicine from What Iconic Sci-Fi Movies Get Wrong?”, Pubic Health on Call, <https://johnshopkinssph.libsyn.com/641-what-can-we-learn-about-medicine-from-what-iconic-sci-fi-movies-get-wrong>, 2023

## FUNDING

### EXTRAMURAL Funding

Research Extramural Funding - Grants or contracts obtained to support a research initiative

Current

9/20-6/25	<p><i>ASCEND (ARDS in Children and ECMO initiation strategies impact on Neuro-development)</i>          NIH-DHHS-US- 20-PAF01099          \$3,152,600 (\$692,118)          PI: Barbaro, Ryan          Co-PI with effort: Iwashyna, Theodore</p>
1/21-12/23	<p>Rapid Understanding of Best Practices in Rural Intensive Care (RUBRIC)          AHRQ-DHHS-US-20-PAF08234          \$999,935 (\$499,999)          PI: Valley, Thomas Sebastian          Co-PI with effort: Iwashyna, Theodore</p>
04/21-03/24	<p>The Relationship Between Type of Opioid Used During Critical Illness and Transition to Chronic Pain          Sunnybrook Health Sciences Center / Department of Defense          Collaboration Agreement 2021-1419          \$77,475          PI: Wunsch, \$77,475          Co-Investigator: Iwashyna, Theodore</p>
05/22-04/26	<p>Promoting Racial Equity in Care Practices for Respiratory Failure: the PRECIPICE Study          New York University/ NIH          R01HL157361          \$681,146          PI: Armstrong-Hough, Valley          Co-Investigator: Iwashyna, Theodore</p>
08/22-07/26	<p>COVID-19 Observational Research Collaboratory          Department of Veterans Affairs/Ann Arbor Healthcare System          36C25022C0122          \$228,685          PI: Iwashyna</p>
09/22-08/27	<p>Organizational resilience: A Novel Strategy for Improving ICU Outcomes          NIH/Yale University          R01 HL163177</p>

\$646,230  
 PI: Costa, Deena; Buchbinder, Mara  
 Co-Investigator: Iwashyna, Theodore

04/23-03/29      The Intermountain West-Atlantic Center (InterACT) for the APS Phenotyping Consortium  
 NIH/Intermountain Medical Center  
 1U01HL168416-01  
 \$503,928  
 PI: Brown  
 Co-Investigator: Iwashyna, Barkauskas, Needham, Scharfstein

01/24              Understanding and Informing Early Hospital Antibiotic Prescribing for Potential Infection  
 AHRQ-DHHS-US- 19- PAF05185  
 (\$500,000)  
 PI: Prescott, Prescott, Hallie  
 Co-PI with effort: Iwashyna, Theodore

Previous  
 10/01-3/03        ResCU II: Improving In-hospital Cardiac Arrest Care and Discovering Keys to Super-Survivorship  
 VA HSR&D  
 \$1,087,099  
 Co-PI: Iwashyna, Theodore & Nallamotheu, Brahmajee

12/04-12/05      Robert Wood Johnson Foundation: Measuring Disability in Medicare Claims: Preliminary Analyses  
 University of Pennsylvania  
 \$9,580  
 Co-PI: Christie & Iwashyna, Theodore

8/06-12/07        Leonard Davis Institute Pilot: Practice-Based Learning Through Objective Resident Benchmarking: A Pilot Proposal  
 University of Pennsylvania  
 \$18,000  
 Co-PI: Iwashyna, Theodore & Bellini

7/07-6/08         American Thoracic Society: Network Analyses of Critical Care Transfers  
 University of Michigan  
 \$50,000  
 PI: Iwashyna, Theodore

7/08-6/13         5 K08 HL091249-05: The Structure and Outcomes of Critical Care Transfer Network  
 NIH-DHHS-US- 08-5731  
 \$660,815  
 PI: Iwashyna, Theodore

2/09-9/09         Climate Savers Computing Init.; Securely Green Computing: Cloud Computing with Protected Health Information  
 University of Michigan  
 \$5,000  
 PI: Iwashyna, Theodore

6/09-5/10         MICHR: Functioning After Severe Sepsis

University of Michigan  
\$25,000  
PI: Iwashyna, Theodore

10/09-9/10      Off Vice President Research: Decision-Making About the Transfer of Heart Attack Patients from Non- Revascularization Hospitals: An Initial Qualitative Study  
University of Michigan  
\$31,140  
PI: Iwashyna, Theodore

01/10-12/11      SCCM Vision: The Contribution of Functional Decline in Long-Term Costs of Severe Sepsis  
University of Michigan  
\$50,000  
PI: Iwashyna, Theodore

8/11-8/12      1112016: Physician Practice Communities Robert Wood Johnson Foundation Consortium with Cornell University- 11-PAF06278  
\$7,512  
PI: Iwashyna, Theodore

10/11-9/14      VA HSR&D IIR 11-109: Longterm Consequences for Veterans with Sepsis  
Veterans Administration  
Health Services Research & Development  
\$716,032  
PI: Iwashyna, Theodore

8/12-7/15      ADA #7-12-CT-12: The Obesity Paradox: A Population-Based Examination of Mortality and Morbidity  
American Diabetes Association  
\$12,000  
PI: Chang  
Co-PI: Iwashyna, Theodore

10/12-0/18      Veterans Affairs: Office of Clinical Analytics and Reporting: Advancing Performance Measurement Methods  
VA Center for Clinical Management Research  
\$1,606,000  
Co-PI: Kerr, Hofer, & Iwashyna, Theodore

4/13-5/13      000421: Association of Psychiatric Disorders with Potentially Preventable Acute Medical-Surgical Hospitalizations SubK-NIH-DHHS-US  
Consortium with University of Washington - 13-PAF04983  
\$15,000  
PI: Iwashyna, Theodore

4/13-6/16      042794: Add Health Parent Study Phase 1 SubK-NIH-DHHS-US  
Consortium with Duke University- 14- PAF00678  
\$72,652  
PI: Iwashyna, Theodore

9/13-12/15      5 R21 AG044752-02: Longterm Impact of Natural Disasters on Disability and Health in Older Americans  
NIH-DHHS- US- 13-PAF04727  
\$427,625

PI: Iwashyna, Theodore

9/13-9/16 R01HS018334: Models of Hospital-Acquired Conditions and Readmission: Defining At-Risk Patients PAF #: 13- PAF0472  
NIH  
\$83,733  
PI: McMahon  
Co-PI: Iwashyna, Theodore

8/14-7/17 IIR 13-079: Recovery After In-Hospital Cardiac Arrest: Late Outcomes & Utilization (ResCU)  
Veterans Health Administration, Health Services Research & Development  
\$1,092,812  
Co-PI: Iwashyna, Theodore & Nallamothu

7/15-6/17 Robert Wood Johnson Foundation: RWJF Clinical Scholars Admin Program and Scholars Proposal 2015-2017  
University of Michigan- 15-PAF05180  
\$1,189,400  
PI: Hayward, Rodney A  
Co-PI with effort: Iwashyna, Theodore

7/15-6/18 Canadian Heart & Stroke Fndtn: Changes in Work and Earnings After Heart Attack and Stroke  
University of Manitoba  
\$299,000  
Co-PI: Garland, Sanmartin & Iwashyna, Theodore

9/15-6/16 U01HL123031: Epicenters III: Translational Research to Prevent Healthcare Associated Infection Centers for Disease Control and Prevention  
Harvard Pilgrim Health Care  
\$99,692  
PI: Platt  
Co-PI: Iwashyna, Theodore

10/15-9/18 VA Nat'l Center Patient Safety: Enhancing Patient Safety of Preventing Device-Associated Harm  
VA Center for Clinical Management Research  
\$842,000  
PI: Saint  
Co-PI: Iwashyna, Theodore

11/15-12/16 Intensive Care Fndtn (Aus): Next Generation Assessments of Physical Function in ICU Survivors  
Monash University  
\$45,000  
PI: Skinner  
Co-PI: Iwashyna, Theodore

1/16-12/16 Government of South Australia: The Feasibility and Validity of Obtaining Pre-Illness Activity Data in Critically Ill Patients Using "Smart-Phone" Technology: A Validation Study  
University of Adelaide  
\$49,900  
PI: Gluck, Samuel

Co-PI: Iwashyna, Theodore

8/16-6/20 5R01HL132232: Effect of Randomization to Neuromuscular Blockade on Physical Functional Impairment and Recovery in ARDS SubK-NIH-DHHS-US Consortium with University of Washington- 15-PAF07088 \$2,433,750  
Co-PI: Hough, Moss, & Iwashyna, Theodore

9/17-8/18 R56 AG055661: Recovery or disability? Trajectories after pneumonia: Integrating 12 months of frequent patient- reported measures with EMR data Kaiser Permanente of Northern California \$471,209

8/18-8/20 1-U01-HL-143453-01: Digital Implementation Intervention Trials in Acute Lung Care (DIGITAL-C) Network Planning University of Michigan (\$347,197)  
PI: Sales  
Co-PI: Iwashyna, Theodore

5/19-4/20 CLOVERS Request for Integration of Long-Term Outcomes SubK-NIH-DHHS-US Consortium with Massachusetts General Hospital- 19-PAF07042 \$119,462 (\$119,462)  
PI: Iwashyna, Theodore  
Co-PI: Escobar & Iwashyna, Theodore

8/20 5 UG3 HL145269-04: 1/2 ICECAP: Influence of Cooling duration on Efficacy in Cardiac Arrest Patients NIH-DHHS- US- 19-PAF02703 (\$4,438,938)  
PI: Meurer, William J.  
Co-PI with effort: Iwashyna, Theodore

6/14-4/21 5 U01 HL123031-07: Clinical Centers (CC) for the NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) Clinical Trials Network (U01) NIH-DHHS-US- 13-PAF06921 \$2,612,256  
PI: Hyzy & Park  
Co-PI with effort: Iwashyna, Theodore

9/15-4/21 Follow Up Neuropsychiatric & Cognitive Testing Intensive Care Outcomes Nexus (FUNCTION) SubK-NIH-DHHS- US Consortium with Massachusetts General Hospital- 15-PAF07238 \$1,099,495  
Co-PI: Iwashyna, Theodore

1/17-12/21 Australian NHMRC: Treatment of invasively ventilated adults with Early Activity and Mobilisation (TEAM Study) Monash University \$1,460,000  
PI: Hodgson  
Co-PI: Iwashyna, Theodore

9/17-8/21 NSF: Data-In-Motion Prediction and Assessment of Acute Respiratory Distress Syndrome

University of Michigan Ann Arbor  
\$1,299,371  
PI: Najarian & Derksen  
Co-PI: Iwashyna, Theodore

9/17-5/22 R01HL137816: Strategies to Enhance Pneumonia Care via Intermediate Intensive Care (STEP IN)  
University of Michigan  
\$2,255,457  
PI: Cooke, Colin  
Co-PI: Iwashyna, Theodore

9/17-5/22 R01HL137816: Strategies to Enhance Pneumonia Care via Intermediate Intensive Care (STEP IN)  
University of Michigan  
\$2,255,457  
PI: Cooke, Colin  
Co-PI: Iwashyna, Theodore

9/17-8/22 NHLBI T4 K12 University of Michigan- 17-PAF01154  
\$3,208,556  
Co-PI: Iwashyna, Theodore & Sales

12/17-11/22 Recovery Or Disability? Trajectories After Pneumonia: Integrating 12 Months Of Frequent Patient-Reported Measures With EMR Data  
SubK-NIH-DHHS-US through a consortium with Kaiser Permanente Northern Cal-17- PAF05031  
\$796,619 (\$173,185)  
PI: Iwashyna, Theodore

3/18-2/22 IIR 17-219: Benchmarking Hospital Quality: Template Matching versus Conventional Regression Approaches  
Veterans Health Administration, Health Services Research & Development  
\$1,098,000  
PI: Prescott, Hallie C.  
Co-PI: Iwashyna, Theodore

8/18-6/23 *5 K23 HL140165-05: Preventing avoidable deaths from pneumonia by improving use of intensive care*  
NIH-DHHS- US- 18-PAF02967; 18-PAF02967  
\$968,065 (\$193,668)  
PI: Valley, Thomas Sebastian

10/18-3/22 ResCU II: Improving In-hospital Cardiac Arrest Care and Discovering Keys to Super-Survivorship  
Veterans Health Administration, Health Services Research & Development  
\$1,087,099  
Co-PI: Iwashyna, Theodore & Nallamothu

4/20-4/21 *PETAL COVID-19 Observational Study*  
SubK-NIH-DHHS-US through a consortium with Massachusetts General Hospital-20-PAF06808  
\$386,107 (\$386,107)  
PI: Iwashyna, Theodore

6/20-5/21 *COVID-19 Rapid Response: COVID-19 Health Evaluation & Cardiovascular Complications (CHECC) Study* AHA- 20- PAF07072  
\$200,000 (\$200,000)  
PI: Shah, Nirav J  
Co-PI with effort: Iwashyna, Theodore

9/20-8/21 *Addressing psychological distress symptoms among serious illness survivors of a viral pandemic*  
SubK-NIH-DHHS-US through a consortium with Duke University-21-PAF00036  
\$257,002 (\$257,002)  
PI: Iwashyna, Theodore

Educational Extramural Funding  
NONE

Clinical Extramural Funding  
NONE  
System Innovation or Quality Improvement Extramural Funding  
NONE

Other Extramural Funding, including philanthropy  
NONE

#### **INTRAMURAL Funding**

NONE

#### **CLINICAL ACTIVITIES**

##### **Clinical Focus**

NONE

##### **Certification**

NONE

##### **Medical, other state/government licensure**

2006-2008 Medical License, Pennsylvania, #MD430259  
2008-present Medical License, Michigan, #4301091903  
2022-present Medical License, Maryland, #D95263

##### **Boards, other specialty certification**

2005-2015 Board Certification, Internal Medicine, American Board of Internal Medicine, # 265626  
2007-2017 Board Certification, Pulmonary Disease, American Board of Internal Medicine, # 265626  
2008-present Board Certification, Critical Care Medicine, American Board of Internal Medicine, # 265626

##### **Clinical (Service) Responsibilities**

7/04-6/05 Medical Officer, Princess Mariana Hospital, Gaborone, Botswana  
7/08-7/22 Attending Physician, Critical Care Medicine Unit, University of Michigan  
10/10-7/22 Staff Physician, Medical Intensive Care Unit, VA Ann Arbor Healthcare System,  
Ann Arbor, MI  
07/2022-present Staff Physician, Medical Intensive Care Unit, Johns Hopkins Medical Institutions,  
Baltimore, MD

##### **Clinical Productivity**

None at JHMI

#### **EDUCATIONAL ACTIVITIES**



## Educational Focus

My primary focus as an educator has been the development of independent health services researchers.

## Teaching

### Classroom instruction

#### JHMI/Regional

- 11/07 Speaker "Using Inter-Hospital Transfers to help the Critically Ill: A Network Perspective", University of Michigan, Ann Arbor, MI
- 12/08 Lecturer, "Regional Integration of Critical Care Services" RWJF Clinical Scholars Program, University of Michigan, Ann Arbor, MI.
- 4/09 Lecturer, "Acute Brain Dysfunction in the Intensive Care Unit" joint lecture with Noel Baldwin, Advanced Concepts in Critical Care Nursing Series for SICU/CCMU & TBICU, University of Michigan, Ann Arbor, MI.
- 4/09 Lecturer, "Critical Care in the United States" OS495: Organization of Health Policy, University of Michigan, Ann Arbor, MI.
- 8/09 Speaker, "Therapy for Sepsis" Morning Report, University of Michigan, Ann Arbor, MI.
- 9/09 Lecturer, "The Informal Organization of Critical Care" Interdisciplinary Committee on Organizational Studies ICOS, University of Michigan, Ann Arbor, MI.
- 10/09 Speaker, "Early Mobilization in the ICU" Pulmonary Update, University of Michigan, Ann Arbor, MI.
- 10/09 Speaker, "Early Mobilization in the ICU", Update on Pulmonary and Critical Care Medicine, University of Michigan, Ann Arbor, MI.
- 11/09 Speaker, "Long-Term Outcomes Among Survivors of Severe Sepsis: Evidence from HRS- Medicare Linked Data" Geriatric Division Noon Seminar Series, East Ann Arbor Health Facility, University of Michigan, Ann Arbor, MI.
- 11/09 Lecturer, "Sort of Like Facebook: How to Think About Networks" General Pediatrics Methods Seminar, University of Michigan, Ann Arbor, MI.
- 11/09 Speaker, "How Critical Care Transfers are Organized" Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.
- 1/10 Speaker, "How to Write a Lot (and What is Lot?)" Department of Internal Medicine, University of Michigan Career Development Workshop, University of Michigan, Ann Arbor, MI.
- 2/10 Speaker, "Therapy for Sepsis" Morning Report, University of Michigan, Ann Arbor, MI.
- 2/10 Organizer, RWJF Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.
- 2/10 Lecturer, "5 + 2 Ways of Looking at a Network" HHCD740/741: Research on Health Care Delivery, Financing & Policy, University of Michigan, Ann Arbor, MI.
- 3/10 Speaker, "Burden of Illness After Severe Sepsis" Spring 2010 Health and Retirement Research-in-Progress Seminar, University of Michigan, Ann Arbor, MI.
- 6/10 Speaker, "Liberation from Mechanical Ventilation" Pulmonary Core Curriculum, University of Michigan, Ann Arbor, MI.
- 9/10 Speaker, "The Impact of Hospitalizations on Cognitive and Functional Trajectories" CHEAR Research Seminar, University of Michigan, Ann Arbor, MI.
- 10/10 Speaker, "Long Term Outcomes After Sepsis" Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.
- 12/10 Lecturer, "Introduction to Social Capital & Social Networks" HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.
- 10/11 Speaker, "Unexpected Results & Spurious Inferences: Severe Sepsis and Geriatric Conditions" Clinical Epidemiology & Aging research Seminar, University of Michigan, Ann Arbor, MI
- 10/11 Organizer, RWJF Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.
- 11/11 Lecturer, "Introduction to Social Capital & Social Networks" HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.
- 11/11 Lecturer, "Complexities of Surrogate Decision-Making" School of Public Health: HMP612: Medical Management of Disease, University of Michigan, Ann Arbor, MI.
- 1/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

1/12 Speaker, "Spurious Inferences About Long-term Outcomes of Critical Illness" Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.

2/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

4/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

5/12 Discussant, Internal Medicine Journal Club, University of Michigan, Ann Arbor, MI.

6/12 Lecturer, "Respiratory and Critical Care Medicine" Geriatrics Review Series, University of Michigan, Ann Arbor, MI.

7/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

9/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/12 Organizer, RWJF Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

10/12 Speaker, "Survivorship", University of Michigan Continuing Medical Education Program: Early Mobility: Patient-Centered Approach for Mobilizing the Critically Ill, Ann Arbor, MI.

10/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/12 Speaker, "The First Six Hours of Severe Sepsis" Internal Medicine Residency Core Curriculum, University of Michigan, Ann Arbor, MI.

11/12 Speaker with Lauren H. Nicholas, "Collaboration with ISR and the HRS to Do Innovative Research", Institute for Health Policy and Innovation Kick-off Symposium, Ann Arbor, MI.

11/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

12/12 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

12/12 Lecturer, "Introduction to Social Capital & Social Networks" HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.

12/12 Discussant, VA Internal Medicine Morbidity & Mortality Conference, University of Michigan, Ann Arbor, MI.

3/13 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

4/13 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

6/13 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

7/13 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/13 Organizer, RWJF Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

10/13 Speaker, "Clinical Cases in Critical Care Management", 26th Annual Update in Pulmonary & Critical Care Medicine, Ann Arbor, MI.

1/14 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

2/14 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

5/14 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

5/14 Speaker, "Life After Severe Sepsis: New Opportunities, New Problems", 2nd Annual Internal Medicine Spring Review, University of Michigan, Ann Arbor, MI.

7/14 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/14 Organizer, RWJF Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

2/16 Speaker, "A New Consensus Definition of Sepsis: What? Why? In What Sense is it Better?", Briefing for VA Clinical Leadership, Ann Arbor, MI.

2/16 Speaker, "What I Learned on Sabbatical: From Clinical Trials to Persistent Critical Illness", Pulmonary Critical Care Medicine Research Conference, University of Michigan, Ann Arbor, MI.

2/16 Speaker, "What I Learned on Sabbatical: From Clinical Trials to Persistent Critical Illness", CCMR Core Seminar Series: Works-In-Progress (WIP), University of Michigan, Ann Arbor, MI.

3/16 Speaker, "PerCI and RCTs, but not Crocodile Dundee: Work from my Sabbatical", RWJF Clinical Scholars Program, Noon Seminar, University of Michigan, Ann Arbor, MI.

4/16 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

4/16 Speaker, "A New Consensus Definition of Sepsis: What? Why? In What Sense is it Better?", Pulmonary & Critical Care Case Conference, University of Michigan, Ann Arbor, MI.

5/16 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

6/16 Director, Workshop in Teaching Evidence-Based Medicine, Department of Medicine, University of Michigan, Ann Arbor, MI.

7/16	Lecturer, "Introduction to the US Health Care System", Master's in Health and Healthcare Research Summer Seminar, University of Michigan, Ann Arbor, MI.
7/16	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
8/16	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
9/16	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
10/16	Lecturer, "Liberation from Mechanical Ventilation", Pulmonary & Critical Care Case Conference, University of Michigan, Ann Arbor, MI.
12/16	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
1/17-4/17	Organizer and Teacher, HHCR 741: Research on Organization, Delivery, and Financing of Health Care, University of Michigan, Ann Arbor, MI.
2/17	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
4/17	Lecturer, "Why Infections Still Matter", University of Michigan Retirees' Association, Ann Arbor, MI.
4/17	Speaker, "Recovery After In-Hospital Death," Michigan Integrative Center for Health Analytics and Medical Prediction (MICHAMP), University of Michigan, Ann Arbor, MI.
4/17	Discussant, Internal Medicine Morning Report, VA Ann Arbor Health System, Ann Arbor, MI.
4/17	Primary Reviewer, Mock K Study Section, Institute for Healthcare Policy and Innovation, University of Michigan, Ann Arbor, MI.
5/17	Senior Reviewer, Mock K Study Section, Geriatrics Center, University of Michigan, Ann Arbor, MI.
10/17	Lecturer, "Introduction to Social Capital & Social Networks" HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.
11/17	Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.
1/18-4/18	Organizer and Teacher, HHCR 741: Research on Organization, Delivery, and Financing of Health Care, University of Michigan, Ann Arbor, MI.
4/18	Lecturer, "ARDS Mimics", Pulmonary & Critical Care Case Conference, University of Michigan, Ann Arbor, MI.
1/19-4/19	Organizer and Teacher, HHCR 741: Research on Organization, Delivery, and Financing of Health Care, University of Michigan, Ann Arbor, MI.
1/20-4/20	Organizer and Teacher, HHCR 741: Research on Organization, Delivery, and Financing of Health Care, University of Michigan, Ann Arbor, MI.
11/20	Lecturer, "Recovery From Critical Illness" M1 PICS Patient Pulmonary Course, University of Michigan, Ann Arbor, MI.
1/21-4/21	Organizer and Teacher, HHCR 741: Research on Organization, Delivery, and Financing of Health Care, University of Michigan, Ann Arbor, MI.
2/21	Internal Medicine Residency Prep Course (IM RPC) M4 Students. Part 1: Differential Diagnosis of Acute Hypoxemia in a Vented Patient. University of Michigan, Ann Arbor, MI
3/21	Internal Medicine Residency Prep Course (IM RPC) M4 Students. Part 2: Pragmatic Ladder of Escalating Interventions to Fix Acute Hypoxemia. University of Michigan, Ann Arbor, MI

#### International

None

#### Clinical instruction

None

#### CME instruction

None

#### Mentoring

##### Pre-doctoral Advisees /Mentees

2009-2011	Emily A. Bosk, MSW, Sociology Graduate Student, University of Michigan, now Assistant Professor of Social Work at Rutgers University
2014-present	Rachel D. Kramer, BS, Medical Student, University of Michigan
2022-present	Katie Hauschildt, Research Associate, Johns Hopkins University, School of Medicine

##### Post-doctoral Advisees /Mentees

2008-2011 Comilla Sasson, MD, MS, RWJF CSP Fellow, now Guideline Transformation and Optimization Program Consultant at the American Heart Association, OR39, OR50, OR75

2008-2015 Melissa A. Miller, MD, MSc, Pulmonary Fellow, and now Medical Officer, Agency for Healthcare Research and Quality, OR49, OR56, OR59, OR76, OR82, OR95, OR106, OR171

2009-present Colin R. Cooke, MD, MSc, MS, RWJF CSP Fellow, now Assistant Professor of Pulmonary/Critical Care, University of Michigan, OR12, OR14, OR27, OR36, OR52, OR54, OR58, OR61, OR63, OR65, OR67, OR97, OR101, OR103, OR105, OR111, OR112, OR113, OR115, OR124, OR125, OR144, OR149, OR152, OR169, OR181, OR212, OR218, OR224, BC3

2010-2011 James F. Burke, MD, RWJF CSP Fellow, University of Michigan, OR30, OR57, OR78, OR96

2010-2011 Lesli E. Skolarus, MD, MS, RWJF CSP Fellow, now Assistant Professor, Neurology, University of Michigan, OR78

2011-2012 Nishant K. Sekaran, MD, RWJF CSP Fellow, now Fellow in Cardiovascular Medicine, Duke University Health System, BC1

2012-present Hallie C. Prescott, MD, Pulmonary Fellow, and now Assistant Professor, Pulmonary Critical Care Medicine, University of Michigan, OR84, OR88, OR90, OR92, OR96, OR100, OR103, OR105, OR107, OR109, OR115, OR120, OR125, OR135, OR136, OR138, OR145, OR149, OR150, OR151, OR160, OR163, OR166, OR180, OR182, OR193, OR196, OR205, OR214, OR225, OR226, OR227, OR229, OR238, OR248, OR265

2013-2014 Lauren S. Hughes, MD, Pulmonary Fellow, now Deputy Secretary for Health Innovation, Pennsylvania Department of Health

2013-2014 Andrew J. Schoenfeld, MD, RWJF CSP Fellow, University of Michigan, now Assistant Professor, Orthopedic Surgery, Harvard University, OR91

2013-2016 Kori Sauser "now Kori Sauser Zachrison", MD, RWJF CSP Fellow, University of Michigan, now Assistant Professor, Emergency Medicine, Harvard University, OR129

2013-2017 Sushant Govindan, MD, Pulmonary Fellow, University of Michigan, OR82, OR97, OR98, OR104, OR106, OR116, OR134, OR148, OR170, OR178, OR180

2013-present Vincent Liu, MD, K award mentee, and Research Scientist, Kaiser Permanente Northern California Division of Research, OR88, OR89, OR90, OR97, OR112, OR118, OR150, OR154, OR176

2014-2016 Elena Byhoff, MD, RWJF CSP Fellow, University of Michigan, now Assistant Professor, Internal Medicine, Tufts University School of Medicine, OR127

2014-present Michael W. Sjoding, MD, Pulmonary Fellow, University of Michigan, now Clinical Lecturer, Pulmonary and Critical Care Medicine, University of Michigan, OR92, OR95, OR101, OR103, OR105, OR111, OR115, OR124, OR125, OR131, OR136, OR144, OR149, OR151, OR167, OR168, OR169, OR189, OR190, OR197, OR218, OR219, OR223, OR250

2014-present Deena Kelly Costa, PhD, RN, School of Nursing, University of Michigan, OR148, OR171, OR188, OR239, OR248

2015-2017 Claire K. Ankuda, MD, RWJF CSP Fellow, University of Michigan

2015-2017 Nicole Gergen Villapiano, MD, RWJF CSP Fellow, University of Michigan, OR158

2015-present Elizabeth M. Viglianti, MD, Pulmonary Fellow, University of Michigan, OR150, OR165, OR167, OR172, OR173, OR185, OR205, OR210, OR214, OR222, OR235, OR254, OR256, OR260

2015-present Thomas S. Valley, MD, Pulmonary Fellow, University of Michigan, OR111, OR115, OR144, OR171, OR181, OR191, OR212, OR224, OR238, OR239, OR250

2015-present Kimberley J. Haines, BHealthScience (Physiotherapy), Allied Health Research Lead at Western Health, Melbourne, Australia, OR174, OR192, OR203, OR207, OR209, OR216, OR241, OR253, OR263, OR264

2016-present Joanne McPeake, RN, PhD, Honorary Clinical Senior Lecturer, School of Medicine, Dentistry and Nursing, University of Glasgow and Glasgow Royal Infirmary, Scotland, OR159, OR174, OR179, OR186, OR192, OR201, OR203, OR207, OR209, OR211, OR228, OR234, OR235, OR237, OR241, OR253, OR254, OR256, OR260, OR263, OR264

2016-present Antoinette (Toni) B. Coe, PhD, PharmD, IHPI Clinician Scholars, University of Michigan, OR245, OR248, CO258

2016-present Sue Anne Bell, PhD, FNP-BC, IHPI Clinician Scholars, University of Michigan, OR152, OR215, OR251, OR249, OR252, OR261

2016-present Samuel Gluck, BA, MA, BChir, MB, MRCA (UK), PhD Candidate in Medicine at the University of Adelaide, Australia OR153, OR155, OR255

2021-2023 Tammy Eaton, MSN, RN, FNP-BC, ACHPN, University of Michigan, OR203, OR207, OR253, OR263, OR264

#### Thesis committees

2023 Tiffany Mark, Johns Hopkins University, School of Medicine, Committee Member  
2019 Emily Boltey, Interprofessional collaboration, University of Michigan, Nursing, Committee Member  
2016 Samuel Gluck, Use of smartphones and wearables to measure functional status, University of Adelaide (Australia), Medicine, Committee Member

#### Educational Program Building / Leadership

2008 - Present Co-Director, National Clinician Scholars Program  
Led a nationally-recruiting masters' level program in health services research  
Including development and securing funding for K12 HL138039: Training to Advance Care Through Implementation Science in Cardiac and Lung Illnesses (TACTICAL), and NHLBI post-doctoral program in Implementation Science

#### Educational Demonstration Activities to external audiences, on or off campus

NONE, other than noted in Invited Talks

### RESEARCH ACTIVITIES

#### Research Focus

My core contribution has been to provide causal evidence of the long-term disabling impact of severe acute infections in the U.S., and to demonstrate the continuing relevance of acute infections to health services research. The hallmarks of this program have been the re-conceptualizing acute health disruptions within a longitudinal perspective that explores the interaction of time, family context, and organization on health outcomes; integrating electronic health record, administrative, survey, and interview data to measure carefully both specific health events and their functional and (increasingly) financial outcomes; and building a pipeline of next generation health services researcher and clinical epidemiologists.

#### Research Program Building / Leadership

2005-2010 Senior Fellow, Leonard Davis Institute, University of Pennsylvania, Philadelphia, PA  
2007-2008 Fellow, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine, Philadelphia, PA  
2010-2022 Research Scientist, Center for Clinical Management Research, Ann Arbor VA Healthcare System, Ann Arbor, MI  
2011-2022 Faculty Associate, Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, MI

#### Research Demonstration Activities

NONE

#### Inventions, Patents, Copyrights

NONE

#### Technology Transfer Activities

NONE

### SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

#### System Innovation Focus

NONE at JHMI

#### System Innovation and Quality Improvement efforts within JHMI:

NONE

## System Innovation and Quality Improvement efforts outside of JHMI:

NONE

## System Innovation and Quality Improvement Program Building/Leadership:

- 2009-2015 Physician Lead, CCMU Early Mobility Working Group, University of Michigan  
Developed and implemented ICU-wide early mobility program
- 2020-2021 Organizer, Chair, Parliamentarian, VA Ann Arbor Scarce Resource Allocation Team  
Developed and implemented a set of procedures for insuring democratic deliberation in the implementation of ethical principles around Scarce Resource Allocation during the first several waves of the COVID-19 epidemic – published as PMID: 34124688

## ORGANIZATIONAL ACTIVITIES

### Institutional Administrative Appointments

- 2009-2011 Core Faculty, Robert Wood Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
- 2011-2013 Associate Director, Robert Wood Johnson Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
- 2013-2016 Co-Director, Robert Wood Johnson Foundation Clinical Scholars, University of Michigan/Ann Arbor, MI
- 2016-2022 Co-Director, Research Core, Center for Clinical Management Research, VA Ann Arbor Healthcare System, HSR&D Center of Innovation/Ann Arbor, MI
- 2016-2022 Co-Director, National Clinician Scholars, University of Michigan/Ann Arbor, MI
- 2018-2022 Director of Health Services Research, Division of Pulmonary & Critical Care Medicine, University of Michigan/Ann Arbor, MI

### Editorial Activities

#### Editorial Board appointments

- 2012-2016 Associate Editor, Annals of the American Thoracic Society
- 2012-2020 Implementation Science
- 2012 VA HSR&D/QUERI National Conference
- 2017-present Innovation Editor, Annals of the American Thoracic Society

### Journal peer review activities

- 2007-present American Journal of Medicine (Ad Hoc)
- 2007-present American Journal of Public Health (Ad Hoc)
- 2007-present Implementation Science (Ad Hoc)
- 2007-present Journal of General Internal Medicine (Ad Hoc)
- 2007-present Social Science and Medicine (Ad Hoc)
- 2008-present American Journal of Respiratory & Critical Care Medicine (Ad Hoc)
- 2008-present Annals of Internal Medicine, “Top 10% Reviewer, 2007”
- 2008-present Archives of Internal Medicine (Ad Hoc)
- 2008-present Archives of Pediatrics & Adolescent Medicine (Ad Hoc)
- 2008-present BMC Family Practice (Ad Hoc)
- 2008-present Injury Prevention (Ad Hoc)
- 2008-present Physical Therapy Journal (Ad Hoc)
- 2009-present Critical Care (Ad Hoc)
- 2009-present Critical Care Medicine (Ad Hoc)
- 2009-present Critical Care Research and Practice (Ad Hoc)
- 2009-present Journal of Pain and Symptom Management (Ad Hoc)
- 2009-present Medical Care “Top 5% Reviewer, 2009” (Ad Hoc)
- 2010-present Intensive Care Medicine (Ad Hoc)
- 2010-present Journal of Critical Care (Ad Hoc)
- 2011-present JAMA (Ad Hoc)
- 2011-present Journal of Palliative Medicine (Ad Hoc)

2014-present New England Journal of Medicine (Ad Hoc)  
 2014-present The Lancet Respiratory Medicine (Ad Hoc)  
 2016-present Journal of Clinical Oncology (Ad Hoc)  
 2016-present The Lancet (Ad Hoc)

#### Other peer review activities

NONE

#### Advisory Committees, Review Groups/Study Sections

##### JHMI/Regional

1994-1996 Co-Chair, Domestic Violence Medical School Curriculum Committee University of Chicago  
 2003-2005 Committee Member, Resident Practice Committee, University of Pennsylvania  
 2003 Task Force on Medical Errors in Signouts, University of Pennsylvania  
 2007-2008 Committee Member, Committee on Data Privacy, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania  
 2007-2008 Board Member, Institutional Review Board #4, University of Pennsylvania  
 2011-2014 Committee Member, Critical Care Oversight Committee, Ann Arbor VA Medical Center  
 2011-present Member, CCMR Work Group on Center Intellectual Activities, Ann Arbor VA Medical Center  
 2012-2014 Member, VISN 11 No Preventable Harms Think Tank  
 2012-present Member, MSTP Career Advisory Panel, University of Michigan  
 2012-present Member, Pulmonary T32 Internal Steering Committee, University of Michigan  
 2013-2015 Mentor, Pulmonary and Critical Care Divisional Mentoring Initiative, University of Michigan  
 2013 Mentor, Dean's Scholar Program, University of Michigan  
 2013 Co-Chair, Institute for Health Policy and Innovation Working Group to Design a Data and Computing Core, University of Michigan  
 2016-present Member, CCMR Investigator Leadership Council, VA Ann Arbor Healthcare System  
 2016-present Co-Director, CCMR Research Core, VA Ann Arbor Healthcare System  
 2017-present Member, CCMR Investigator Leadership Council Executive Subgroup, VA Ann Arbor Healthcare System  
 2017 Member, UMHS-PUHSC Joint Institute Scientific Review Committee National  
 2005-2006 Member, Advisory Group for the 2007 National Home and Hospice Care Survey, National Center for Health Statistics  
 2008-2010 Member, American Thoracic Society Behavioral Sciences Assembly Program Committee  
 2008-2010 Member, American Thoracic Society Workshop on Pay-for-Performance in Pulmonary & Critical Care Medicine  
 2010-2011 Member, Agency for Healthcare Research and Quality and Critical Care Societies Collaborative Workshop on the Research Agenda in ICU Telemedicine  
 2010-2012 Member, H1N1 Impact on US Hospitals Analytic Team (HIHAT), U.S. Department of Health and Human Services  
 2010-2014 Member, Society of Critical Care Medicine, Billing and Coding Oversight Committee  
 2010-2013 Member, MHA Keystone: ICU Collaborative, Advisory Board  
 2011-2014 Member, Michigan Thoracic Society, Board of Directors  
 2011-2012 Member, Society of Critical Care Medicine, Long Term Consequences Task Force, Member 2011-2015 American Thoracic Society, Critical Care Program Committee  
 2011-2013 Review Panel HQ3, VA HSR&D QUERI Rapid Response Project  
 2011 Ad Hoc Reviewer, Robert Wood Johnson Foundation Applying Behavioral Economics to Perplexing Problems in Health and Health Care  
 2012-2013 Member, Institute of Medicine, Committee on Gulf War and Health: Long-term Effects of Blast Exposure  
 2013-present Chair, Methods Advisory Council for the Inpatient Evaluation Center (IPEC), Department of Veterans Affairs  
 2013 Member, Robert Wood Johnson Foundation Clinical Scholars Program, Committee on Arrangements for 2013 National Meeting  
 2014 Chair, Society of Critical Care Medicine, Thrive Planning Task Force  
 2015-2019 Chair, Society of Critical Care Medicine, Thrive In-Person Peer Support Collaborative

2015-2019 Member, Society of Critical Care Medicine, Thrive Task Force  
 2015-present Member, Protocol Committee for Re-Evaluation of Systemic Early Neuromuscular Blockade (ROSE), part of the NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) trials network, ClinicalTrials.gov Identifier: NCT02509078  
 2015 Ad Hoc Evaluator, NIGMS Loan Repayment Plan  
 2017-2019 Long-Term Outcomes Subcommittee Chair, Protocol Committee, Comparing Oxygenation Targets: A Large Cluster Crossover Trial (COROLLA), part of the NHLBI Prevention and Early Treatment of Acute Lung Injury (PETAL) trials network, ClinicalTrials.gov Identifier: not yet assigned  
 2017-2021 Standing Member, NHLBI's Mentored Patient-Oriented Research Review Committee (MPOR),  
 2017-present Recurrent ad hoc member, NHLBI's CLTR Special Emphasis Panel regarding Single-Site Investigator Initiated Clinical trials (R61/R33), ZHL 1 CSR-G M1  
 2018-2019 Expert Advisory Panel, Department of Veterans Affairs, National Center for Patient Safety, Sepsis in the Emergency Department Virtual Breakthrough Series

#### International

2008 Ad Hoc Reviewer, United Kingdom's Economic and Social Research Council (ESRC)  
 2011-2013 Ad Hoc Reviewer, Physician's Serviced Incorporated Foundation, Ontario, Canada  
 2011 Ad Hoc Reviewer, Guy's & St. Thomas Charity, London, United Kingdom  
 2014 Ad Hoc Reviewer, Ireland Health Research Board (HRB)  
 2015-present Management Committee Member, The Augmented Versus Routine Approach to Giving Energy Trial (TARGET) ClinicalTrials.gov Identifier: NCT02306746, Melbourne, Australia, ClinicalTrials.gov Identifier: NCT02306746  
 2015-present Management Committee Member, Trial of Early Activity and Mobility (TEAM) in ICU, ClinicalTrials.gov Identifier: NCT03133377, Melbourne, Australia  
 2018 External Reviewer, Standing Committee for Tenured Faculty Promotions and Appointments, University of Alberta School of Medicine (ad Hoc)  
 2018 External Reviewer, Standing Committee for Tenured Faculty Promotions and Appointments, University of Canberra Faculty of Health (Ad Hoc)  
 2018 External Reviewer, Standing Committee for Tenured Faculty Promotions and Appointments, University of Melbourne School of Medicine (Ad Hoc)  
 2018-present Member, Study Steering Committee, ORCHESTRA (ORGanizational CHARactEerISTICS in cRitical cAre), Rio de Janeiro, Brazil

#### Professional Societies

2005-present Member, American Thoracic Society  
 2005-present Member, Society for Critical Care Medicine  
 2007-2012 Member, International Network for Social Network Analysis  
 2016-present Fellow, American College of Critical Care Medicine  
 2018-present Member, American Society of Clinical Investigation (ASCI)

#### Conference Organizer

Not separately recorded

#### Session Chair

Not separately recorded

### RECOGNITION

#### Awards, Honors

##### Institutional

1994 Medical Scientist Training Grant, NIGM NRSA, University of Chicago  
 1997 Population Research Center Fellowship, NIA NRSA, University of Chicago  
 2001 Infectious Disease Scholar, University of Chicago  
 2004 Edward W. Holmes Resident Research Award, Hospital of the University of Pennsylvania



2006 Bradley Fellows Research Award, Hospital of the University of Pennsylvania  
 2006 Bradley Fellows Research Award Runner-Up, Hospital of the University of Pennsylvania  
 2007 Bradley Fellows Research Award, Hospital of the University of Pennsylvania  
 2011 H. Marvin Pollard Award for Outstanding Teaching of Residents, University of Michigan  
 2013 Department of Medicine Jerome W. Conn Award for Excellence in Research, University of Michigan  
 2014 Pulmonary and Critical Care Fellows' Outstanding Educator Award, University of Michigan  
 2015 Center for Clinical Management Research Staff Award for Investigator Excellence  
 2017 American Medical Women's Association Gender Equity Award, University of Michigan  
 2021 Distinguished Mentor Award (from MICHR, University of Michigan CTSA)

National

2007 Fellows Career Development Award, American Thoracic Society  
 2010 Society for Critical Care Medicine Vision Grant  
 2011 Early Career Achievement Award, Behavioral Sciences, American Thoracic Society  
 2014 Best International Paper, Academy of Management Health Care Management Division  
 2014 Presidential Citation, Society of Critical Care Medicine  
 2016 Fellow, American College of Critical Care Medicine  
 2016-2018 Presidential Citation, Society of Critical Care Medicine  
 2018 Member, American Society for Clinical Investigation (ASCI)  
 2018 Sepsis Alliance "Sepsis Hero"

Invited Talks

Visiting Professorships

JHMI/Regional

1/2020-present "Persistent Critical Illness, Emerging Data", John Hopkins University, Baltimore, MD  
 9/2022 "How Patient Safety & Contemporary Social Science Help Me Understand White Supremacy in My Clinical Practice", Johns Hopkins Bayview Medical Center, Department of Medicine Grand Rounds, Baltimore, MD  
 11/2022 "Embedding Racism in Medical Devices & Algorithms: The Case of the Pulse Oximeter", The Hopkins Center for Health Disparities Solutions Annual Health Disparities Seminar Series, Baltimore, MD  
 11/2022 "How Patient Safety & Contemporary Social Science Help Me Understand White Supremacy in My Clinical Practice", Johns Hopkins Surgery Center for Outcomes Research (JSCOR), Baltimore, MD  
 12/2022 "Pulse Oximeters and Other Medical Devices Are Racially Biased. How Will We Know When They Are Equitable?", Johns Hopkins Center for Health Equity, Health Equity Jam Session Baltimore, MD  
 9/2023 "Unexpected Population-Based Effects of COVID on Long-term Mortality and Morbidity", Johns Hopkins University, Department of Medicine, Lung Research Conference, Baltimore, MD  
 9/2023 "What is the Answer is More Antibiotics, Faster, on Skimpier Evidence?", Johns Hopkins University, Department of Medicine PCCM Grand Rounds, Baltimore, MD  
 9/2023 "Racial Bias in Pulse Oximeter as a continuing threat to Patient Safety", Johns Hopkins University, Department of Medicine Geriatrics Grand Rounds, Baltimore, MD

National

2003-present Ground Rounds Speaker, "What if Sepsis is Not Just an Acute Event", Baystate, University of Massachusetts, Springfield, Massachusetts  
 4/2011 Speaker, "Long-term Effects of Severe Sepsis", Wayne State University School of Medicine Harper University Hospital, Detroit, MI.  
 8/2011 Speaker, "Spurious Inferences about Long-term Outcomes of Acute Illness Resulting from Inadequate Control for Pre-Morbid Trajectory: the Case of Severe Sepsis and Geriatric Conditions", University of Washington, Division of Pulmonary and Critical Care Medicine, Seattle, WA.

8/2011 Speaker, "Alive, But Different: Which Hospitalizations are Associated With New Cognitive Decline and Disability? Why Should We Care?", Puget Sound VA HSR&D, Seattle, WA.

5/2012 Speaker, "Severe Sepsis: Life-Threatening and Life-Altering", Ohio State University, Department of Internal Medicine, Columbus, OH.

11/2012 Speaker, "Life After Severe Sepsis", Mayo Clinic, Department of Critical Care, Rochester, MN.

2/2013 Speaker, "The Surprising Heterogeneity in the Hazards of Hospitalization: Diagnosis Matters", University of Pennsylvania, Institute on Aging, Philadelphia, PA.

12/2013 Speaker, "The Old Man's Friend No More: Disability & Cognitive Decline After Acute Infection", Duke Population Research Institute (DuPRI), Durham, NC.

3/2016 Speaker, "Making RCTs [More] Useful: Embracing Heterogeneity in Design & Analysis", Division of Allergy, Pulmonary and Critical Care Medicine and the Center for Lung Research, Vanderbilt University, Nashville, TN.

1/2018 Grand Rounds Speaker, "Why Do Patients Get Stuck in the ICU?", Pulmonary and Critical Care Medicine, University of Pennsylvania, Philadelphia, PA

1/2018 Speaker, "Preaching to CHOIR on the Importance of Sepsis to Veterans' Health", VA Bedford CHOIR HSR&D Center of Innovation, Bedford, MA

6/2018-present Critical Care Grand Rounds, "An Ever-Changing Cascade of Challenges: The New Epidemiology of Persistent Critical Illness", University of Virginia, Charlottesville, Virginia

8/2018-present "Mechanisms Generating Persistent Critical Illness", University of Colorado at Denver, Denver, Colorado

4/2019-present "What if Sepsis is Not Just An Acute Event", Grand Rounds, "Mechanisms Generating Persistent Critical Illness", Research Conference., Baystate, University of Massachusetts Medical School, Springfield, Massachusetts

10/2019-present "The Chronic Consequences of Acute Sepsis", Columbia University, Grand Rounds, New York, New York

9/2020-present "3 Moments of Personal Complicity in White Supremacy", Weill Cornell Medical College, New York Presbyterian Hospital, Grand Rounds, Virtual: New York, New York

#### International

2009 Speaker, "Advanced Clinical Research Methods (Level 2). Methods in Epidemiologic, Clinical and Operations Research (MECOR)", American Thoracic Society & Latin American Thoracic Society, Botucatu, Brazil

2010 Speaker, "Where They Go For Help: The Informal Organization of U.S. Inter-Hospital Critical Care Transfers", Institute for Clinical Evaluative Sciences, Toronto, Ontario

2010 Speaker, "Long-term Functional and Cognitive Impairment Among Survivors of Severe Sepsis: A Decade-long Evaluation of Over 1,200 Patients", Critical Care Grand Rounds, Sunnybrook Hospital, University of Toronto, Toronto, Ontario

2/2014 Speaker, "The Old Man's Friend No More: Long-term Outcomes After Sepsis", University of Manitoba Department of Medicine Grand Rounds, Winnipeg, Manitoba

2/2014 Speaker, "Is there a Morbidity/Mortality Trade-Off in Hospital Care for Severe Sepsis? Very Preliminary Results", University of Manitoba Critical Care Research Work in Progress, Winnipeg, Manitoba

2/2014 Speaker, "Rescue Management of Refractory Hypoxemia", University of Manitoba Critical Care Fellows Teaching Conference, Winnipeg, Manitoba

3/2014 Speaker, Departmental Grand Rounds: "Recovery and Challenges after Severe Sepsis: New Data" Nursing Education Lecture: "Long Term Outcomes from Sepsis in the Developed World", Department of Intensive Care Medicine, University Medical Center Utrecht, the Netherlands, Utrecht, The Netherlands

4/2015 Speaker, "How We Die Now & What Happens if We Don't: The New Story of Infectious Diseases in the Developed World", Monash University School of Public Health and Preventive Medicine, Melbourne, Australia

5/2015 Speaker, "How We Die Now & What Happens if We Don't: The New Story of Infectious Diseases in the Developed World", University of Adelaide Executive Dean's Lecture, Adelaide, Australia

11/2015 Speaker, "ICU Survivorship & The Challenge of Making it Better Now", Barwon Health,

Geelong, Australia

- 3/2016 Speaker, "Cognitive Decline After Sepsis: Knowledge Gained & Mistakes Made", Heneka Lab, Klinik und Poliklinik für Neurologie Universitätsklinikum Bonn, Germany
- 8/2016 Speaker, "How do patients get stuck in ICU? Persistent Critical Illness", University of Glasgow and Glasgow Royal Infirmary, Glasgow, Scotland
- 4/2017 Speaker, "Sepsis is Life-Altering: the Long-term Consequences of an Acute Illness" and, for the trainees, "Neither Able to Leave Nor Die: The New Concept of Persistent Critical Illness", University of Alberta Department of Critical Care Medicine, Edmonton, Alberta, Canada

#### Extramural Invited Presentations

##### JHMI/Regional

- 10/2007 Speaker, "Understanding Critical Care Transfers and Their Potential to Save Lives", Division of Pulmonary and Critical Care Medicine, Johns Hopkins University, Baltimore, MD
- 9/2008 Speaker, "Regional Integration of Critical Care: Structures and Outcome", Division of Pulmonary and Critical Care Medicine, University of Maryland, Baltimore, MD
- 8/2011 Panelist, "Theorization, Conceptualization, Measurement", New Directions in Social Demography, Social Epidemiology and the Sociology of Aging Workshop, Committee on Population, National Academy of Sciences, Washington, DC
- 5/2017 Speaker, "Finding Hidden Data About Pre-ICU Functioning to Understand the Long Arc of Your Patient's Life", "Trajectories Into Chronic Critical Illness: An International Account", and lead thematic poster facilitator, American Thoracic Society, Washington, DC
- 6/2019 Speaker, "#WeforWe: Best Practices Around Gender Equity and Why It Matters to Health Services Research", Academy Health, Annual Research Meeting, Walter E. Washington Convention Center, Washington, D.C.
- 5/2023 Speaker, "Research Plan Basics" and "Chair of Mock Study Section" as part of Postgraduate Course. PG9. "Fund Me: Overcoming the Barriers and Challenges to Successful Career Development Awards", American Thoracic Society International Conference, Washington, DC
- 5/2023 Moderator, Mini Symposium. B95. "Towards Improving ICU and Post-ICU Outcomes", American Thoracic Society International Conference, Washington, DC
- 5/2023 Speaker, "What is the Optimal Number of Negative Randomized Clinical Trials?" as a part of D4. The Long and Winding Road: The Future of ICU Outcomes Research, American Thoracic Society International Conference, Washington, DC
- 6/2023 Speaker, "Blue Coral PETAL studies", Critical Care Clinical Trialists Workshop, Washington, DC
- 9/2023 Presenter, "Writing a Specific Aims Page", presented with Craig Pollack, Department of Health Policy and Management, Faculty Development Seminar, Johns Hopkins University, Bloomberg School of Public Health, Baltimore, MD

##### National

- 10/2005 Speaker, "The Interplay of Research and Practice in Clinical Medicine", Temple University, Department of Public Health, Philadelphia, PA.
- 4/2006 Speaker, "Epidemiology in Clinical Medicine", Temple University, Department of Public Health, Philadelphia, PA.
- 5/2006 Speaker, "Spouses of Mechanically Ventilated Patients Have Increased Mortality", Mini-Symposium, American Thoracic Society International Conference, San Diego, CA.
- 1/2007 Speaker, "The Network Structure of Critical Care Transfers", Sunbelt Conference, International Network for Social Network Analysis, St. Petersburg, FL.
- 7/2007 Speaker, "Critical Care Transfer Networks: A Research Agenda", Department of Health Care Policy, Harvard University, Boston, MA.
- 9/2007 Speaker, "Is There a Nationwide System for Transferring the Critically Ill? Some Preliminary Results", Section of Pulmonary and Critical Care Medicine, University of Chicago, Chicago, IL.
- 11/2007 Speaker, "Where Do The Really Ill Go? An Analysis of Inter-hospital Transfers of the Critically Ill",

- 1/2008 Division of Pulmonary, Critical Care & Occupational Medicine, University of Iowa, Iowa City, IA. Speaker, "The Network Structure of Inter-hospital Transfers of the Critically Ill", Department of Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA.
- 4/2008 Speaker, "Caring for the Critically Ill Across Hospitals: Using Medicare Data to Make Sense of an Unplanned System", University of Pittsburgh CRISMA Laboratory (Clinical Research, Investigation, and Systems Modeling of Acute Illness), Pittsburgh, PA.
- 3/2009 Speaker, "Quality and Distance in Acute Heart Attack Care", Sunbelt Conference, International Network for Social Network Analysis, San Diego, CA.
- 3/2009 Facilitator, "Effectiveness and Organization of Healthcare in Pulmonary/Critical Care Medicine", Poster Discussion, American Thoracic Society International Conference, San Diego, CA.
- 1/2010 Panelist, "Get Up, Stand Up", Keystone ICU Collaborative Annual Meeting, Lansing, MI.
- 1/2010 Facilitator, "Epidemiology & Outcomes: Predictors, Quality of Life, Safety", Poster Discussion, Society for Critical Care Medicine Annual Congress, Miami, FL.
- 5/2010 Speaker, "Incident Severe Sepsis is Associated with Substantial Long-term Cognitive and Functional Decline: 8-Year Follow-up of the Health and Retirement Study", Mini Symposium, American Thoracic Society International Conference, New Orleans, LA.
- 5/2010 Speaker, "Cells, ICU's and Facebook: Thinking in a Network", Sunrise Seminar, American Thoracic Society International Conference, New Orleans, LA.
- 5/2010 Chair and Session Organizer, "A Critical Crisis? Addressing ICU Staffing Challenges", American Thoracic Society International Conference, New Orleans, LA.
- 1/2011 Speaker, "Throughput", Conference Session: Operating at 110 Percent Capacity, Society for Critical Care Medicine Annual Congress, San Diego, CA.
- 1/2011 Speaker, "Long-term Outcomes After Severe Sepsis", Conference Session: Results from the SCCM Vision Grants, 2010 Winner, Society for Critical Care Medicine Annual Congress, San Diego, CA.
- 1/2011 Speaker, "Interhospital Transfers During Pandemics: Existing Strengths, Predictable Problems", Conference Session: Issues in Disaster & Pandemic Management. Society for Critical Care Medicine Annual Congress, San Diego, CA.
- 9/2011 Speaker, "Yet Death Has Its Discontinuities as Well: Acute Illnesses & Worsening Cognitive Dysfunction", Working Group on Life Course Health Dynamics and Disparities, Russell Sage Foundation, New York, NY.
- 10/2011 Speaker, "Can Interhospital Transfer Be Used to Improve Patient Outcomes? — An Argument for Guided Transfer", Michigan State Medical Society Annual Scientific Meeting: Update in Pulmonary, Critical Care and Sleep Medicine, Troy, MI.
- 11/2011 Speaker, "Disparities in Quality Critical Care", Session: Disparities in Resuscitation, American Heart Association Scientific Session 2011, Orlando, FL.
- 5/2012 Chair, Session Organizer and Speaker, "What Do You Do Now? Clinical Challenges at the Edge of the Evidence", American Thoracic Society International Conference, San Francisco, CA.
- 5/2012 Speaker, "Avoiding an Epidemic of ICU-Induced Disability", American Thoracic Society International Conference, San Francisco, CA.
- 5/2013 Chair, Session Organizer, "At the Edge of the Evidence: What Should I Do Now?", American Thoracic Society International Conference, Philadelphia, PA.
- 5/2013 Session Organizer and Speaker, "What was the Patient Like Before Their Critical Illness" at "Six Questions We Must Ask to Understand Long-Term Outcomes After Critical Illness", American Thoracic Society International Conference, Philadelphia, PA.
- 6/2013 Keynote Speaker, "Saving Lives by Really Using Good Quality Measures", Clinical Outcomes Assessment Program (Washington State) 17th Annual Statewide Meeting, Seattle, WA.
- 1/2014 Speaker, "Costs of Post Intensive Care Syndromes (PICS) to Families & Societies", Society of Critical Care Medicine Annual Congress, San Francisco, CA.
- 1/2014 Speaker, "The Old Man's Friend No More: Disability and Cognitive Decline After Infection", Kaiser Permanente Northern California Division of Research, Oakland, CA.
- 5/2014 Chair, Session Organizer and Speaker, "Who are the New Veterans?", "The New Veterans: Care Needs and Lessons Learned", American Thoracic Society International Conference, San Diego, CA.
- 5/2014 Chair, Session Organizer, "At the Edge of the Evidence: Practicing Critical Care in the Real World", American Thoracic Society International Conference, San Diego, CA.

- 5/2014 Poster Discussion Session Facilitator, "Sepsis: Care Models and Outcomes", American Thoracic Society International Conference, , San Diego, CA.
- 5/2014 Lead Facilitator, Thematic Poster Session, "Case Vignettes in Critical Care II", American Thoracic Society International Conference, San Diego, CA.
- 8/2014 Speaker, "Survivorship of Severe Sepsis", Keystone: Sepsis Monthly Webinar, Michigan Health & Hospital Association (MHA) Keystone Center, Lansing, MI.
- 2/2016 Speaker, "Why we need THRIVE. Supporting Survivors after Critical Illness", 2016 Society of Critical Care Medicine Annual Congress, , Orlando, FL.
- 2/2016 Speaker, "Unleashing the Power of Big Data: Leveraging Existing Clinical Data in Critical Care Research", 2016 SCCM Critical Care Congress, Orlando, FL.
- 5/2016 Speaker, "Implications of Heterogeneity of Treatment Effect for Reporting & Analysis of Randomized Trials in Critical Care (and elsewhere)", Scientific Symposium, American Thoracic Society International Conference, San Francisco, CA.
- 5/2016 Speaker, Panelist, "Early Career Professionals Working Group Lunch Symposium: Roadmaps to Involvement and Success at ATS", American Thoracic Society International Conference, San Francisco, CA.
- 5/2016 Speaker, "Survivorship After Sepsis: A Population Perspective with Particular Relevance to the Brain", Scientific Symposium, American Thoracic Society International Conference, San Francisco, CA.
- 9/2016 Keynote Speaker, "Helping Our Patients to Thrive After the ICU", Keystone ICU Annual Meeting, Grand Rapids, MI.
- 3/2017 Speaker, "The Three Unfinished Revolutions in Critical Care", National Association of Medical Directors of Respiratory Care (NAMDRC), Napa, CA.
- 2/2018 Speaker and Moderator, "Liberate and THRIVE: Strategies to Improve Outcomes in the ICU and Post- ICU", Society of Critical Care Medicine, San Antonio, TX
- 6/2018 "The Dynamic Processes Underlying Getting Stuck in the ICU:New Data on Persistent Critical Illness", Mayo Clinic, Rochester, Minnesota
- 9/2018 Speaker, "Disability after Sepsis", World Sepsis Day, Virtual Conference
- 3/2019 Speaker, "What If Sepsis Is Not Just an Acute Event", "Mechanisms Generating Persistent Critical Illness", State Chest Conference, Yale University, New Haven, Connecticut
- 11/2019 Facilitator, "Scholar and Alumni Plenaries", NCSP National Clinical Scholars Program, Philadelphia, PA
- 6/2020 "A Dirty Dozen of Common Errors on Discharging Mechanically Ventilated Patients", Boston Medical Center Internal Medicine - Residency Program, Noon Conference, Virtual: Boston, MA
- 8/2020 "A Dirty Dozen of Common Errors on Discharging Mechanically Ventilated Patients", Indianapolis Coalition for Patient Safety (ICPS), Virtual: Indianapolis, IN
- 10/2020 "How Male Faculty Can Help Amplify Women Via Brief, High-Yield Sponsorship", Canadian Critical Care Forum -CCF, Virtual -Ann Arbor, Michigan
- 10/2020 "Caring for Someone with COVID-19: Live Discussion", Michigan Medicine Facebook, Michigan Medicine, , Ann Arbor, MI
- 11/2020 "Do Hospitals Value Everyone", University of Virginia Grand Rounds, Virtual, Ann Arbor, MI
- 11/2020 "Patient Safety Health Equity in Care", Infectious Disease Grand Rounds", Michigan Medicine, Ann Arbor, MI
- 2/2021 Panelists: "Making Academic Writing a Habit" RAISE for Early-Career Women Faculty. (Resources, Advice, Insight, Support, and Empowerment) Project ECHO, University of Texas, San Antonio, TX
- 2023 Keynote Speaker, "Mentoring as the Cultivation of Productive Micro-Environments", Tufts University, Annual Tufts Clinical and Translational Science Graduate Program Symposium, Boston, MA
- 5/2023 Speaker, "What is the optimal number of negative clinical trials?", American Thoracic Society International Conference, Washington, DC.
- 6/2023 Speaker, "The Epidemiology of Recovery After COVID-19: What are the Biggest Problems and How Do They Interrelate?", Critical Care Clinical Trialists Workshops, Washington DC.
- 8/2023 Speaker, "Intro to Health Services Research in the U.S. 9 Aphorisms and 10 Questions)

## International

- 7/2010 Speaker, "How to Immunize a Network", Sunbelt Conference, International Network for Social Network Analysis, Riva del Garde, Italy.
- 11/2011 Speaker, "Improving Patient Outcomes by Improving Interhospital Transfer", Critical Care Canada Forum, Toronto, Ontario.
- 11/2011 Speaker, "Disparities Across Social Lines", Critical Care Canada Forum, Toronto, Ontario.
- 3/2012 Speaker, "Improvement Through Interhospital Transfer", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2012 Speaker, "Long-term Outcomes After Delirium", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2012 Speaker, "Quality of Life After Critical Illness: Understanding the Mechanisms", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 10/2012 Speaker, "User's Guide to Quality Metrics", Critical Care Canada Forum, , Toronto, Ontario.
- 10/2012 Speaker, "Fixing Other People's Problems: Treatment of Pre-Existing Conditions Must be a Part of ICU Recovery", Critical Care Canada Forum, Toronto, Ontario.
- 10/2012 Speaker, "Disability, Not (Just) Quality of Life as Outcome of RCT's", Critical Care Canada Forum, Toronto, Ontario.
- 10/2012 Speaker, "Preventing an Epidemic of Post-ICU Disability", Critical Care Canada Forum, Residents Day, Toronto, Ontario.
- 1/2013 Speaker, "Vertically Integrated Sepsis Care", Society of Critical Care Medicine Annual Congress, San Juan, Puerto Rico.
- 1/2013 Speaker, "Life Post-Intensive Care: Our Patients", Society of Critical Care Medicine Annual Congress, San Juan, Puerto Rico.
- 1/2013 Speaker, "Choosing Wisely about LTACs", Society of Critical Care Medicine Annual Congress, , San Juan, Puerto Rico.
- 10/2013 Speaker, "Does Workload Drive Resources or Vice Versa", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCCN ASM, Hobart, Tasmania, Australia.
- 10/2013 Keynote Speaker, "Long Term Outcomes from Sepsis in the Developed World", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCCN ASM, , Hobart, Tasmania, Australia.
- 10/2013 Speaker, "The Impact of Early Mobilization: The Story So Far", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCCN ASM, Hobart, Tasmania, Australia.
- 10/2013 Speaker, "Predicting Outcome: Is There Any Evidence to Guide Resource Rationing?", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCCN ASM, , Hobart, Tasmania, Australia.
- 3/2014 Speaker, "A User's Guide to Quality Metrics", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2014 Speaker, "Why Does Higher Patient Volume Not Necessarily Yield Better Outcomes in Severe Sepsis?", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2014 Speaker, "Sepsis Outcomes: How Much is Due to the Hospital or the Health System?", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2014 Speaker, "eRecords for Benchmarking and Performance Assessment", International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2014 Roundtable Participant and Speaker, "Survival & Life After Critical Illness: How Well are We Doing?", Roundtable on Evidence-Based Care: New Directions at the International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium.
- 9/2014 Speaker, "Trajectories Models of Recovery and Dysfunction After Acute Illness", Symposium: The Post Intensive Care Syndrome, 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina.
- 9/2014 Speaker, "Functional Outcomes of Patients with Mechanical Ventilation and SDRA", Symposium:

- Update in SDRA, 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina.
- 9/2014 Speaker, "Sepsis Outcomes: How Much is Due to the Patient, the Hospital, or the Health System?", Symposium 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina.
- 9/2014 Plenary Speaker, "The Burdens of Survivorship: An Approach To Thinking About Long-term Outcomes After Critical Illness", 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina.
- 2/2015 Speaker, "Recovery & Challenges after Severe Sepsis: New Data & More Questions", Australia New Zealand Intensive Care Research Centre, Melbourne, Australia.
- 3/2015 Speaker, "Outcomes after Severe Sepsis: More Data & More Questions", The Alfred ICU Registrars Teaching Session, Melbourne, Australia.
- 5/2015 Speaker, "7 Things About the USA and Australia You May Not Know", Monash University School of Public Health and Preventive Medicine, Melbourne, Australia.
- 5/2015 Speaker, "Linked Data for Patient-Centered Hospital Effects", Centre for Outcomes Research & Evaluation (CORE), Melbourne, Australia.
- 5/2015 Speaker, "Is it Good that Hospital Mortality is Falling?", Adelaide NHMRC Centre for Research Excellence, Adelaide, Australia.
- 5/2015 Speaker, "Outcomes after Severe Sepsis", South Australian Intensive Care Trainee Lecture Series, Adelaide, Australia.
- 5/2015 Speaker, "Rebuilding Intensive Care with Patients: A Proposal for the Future", Royal Adelaide Hospital ICU Journal Club, Adelaide, Australia.
- 7/2015 Keynote Speaker, "A Pragmatic Approach to Improving Recovery Now in Survivors of Acute Respiratory Failure", Alfred Advanced Mechanical Ventilation Conference Research Meeting, Melbourne, Australia.
- 7/2015 Speaker, "Big Data for Clinically Relevant Processes of Care Assessment in Mechanical Ventilation", Alfred Advanced Mechanical Ventilation Conference Research Meeting, Melbourne, Australia.
- 7/2015 Keynote Speaker, "Taking Clinical Trial Results to the Bedside: The Role of Baseline Risk of Death", Alfred Advanced Mechanical Ventilation Conference Research Meeting, Melbourne, Australia.
- 7/2015 Keynote Speaker, "Patients As Partners: A Proposal for the Future and a New Experiment", ICU Multidisciplinary Seminar, , Melbourne, Australia.
- 7/2015 Speaker, "Onset of Persistent Critical Illness", Australia New Zealand Intensive Care Society Clinical Trials Group Winter Research Forum, Gold Coast, Australia.
- 8/2015 Speaker, "Onset of Persistent Critical Illness", The Alfred ICU Journal Club, Melbourne, Australia.
- 9/2015 Speaker, "Conference Management: Your Talk, Their Questions, Your Questions", Monash University School of Public Health and Preventive Medicine Higher Degree Students Professional Development, Melbourne, Australia.
- 9/2015 Keynote Speaker, "The Benefits (?!) of Early Mobilization: The Story Just Got Way More Complicated", Critical Care Tasmania, Hobart, Australia.
- 9/2015 Keynote Speaker, "The First 24 Hours of Sepsis", Critical Care Tasmania, Hobart, Australia.
- 9/2015 Keynote Speaker, "Outcomes after Critical Illness and What to Do Now", Critical Care Tasmania, Hobart, Australia.
- 10/2015 Panelist, "Global Journal Club Smackdown", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCN Annual Scientific Meeting, Auckland, New Zealand.
- 10/2015 Speaker, "Patients as Partners: The Thrive Program", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCN Annual Scientific Meeting, Auckland, New Zealand.
- 10/2015 Speaker, "Making RCTs [More] Useful: The Role of Heterogeneity", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCN Annual Scientific Meeting, Auckland, New Zealand.
- 10/2015 Speaker, "Implications of Heterogeneity of Treatment Effect for Reporting & Analysis of Randomized Trials in Critical Care (and elsewhere)", Australian Clinical Trials Alliance, Sydney, Australia.
- 10/2015 Speaker, "How Patients Move from Acute to Persistent Illness", Australian & New Zealand Intensive Care Society, Australian College of Critical Care Nurses, ANZICS/ACCN Annual Scientific Meeting,

- Auckland, New Zealand.
- 10/2015 Speaker, "ICU & [Reducing] the Cost of Survivorship", Intensive Care Foundation Masterclass, Auckland, New Zealand.
- 11/2015 Speaker, "Is it Good that Hospital Mortality is Falling?", Western Health Research Week, Melbourne, Australia.
- 12/2015 Speaker and Podcaster, "Please Stop Wasting RCT Data", Victorian Intensive Care Network, Melbourne, Australia.
- 3/2016 Speaker, "Why We Need to Thrive: Patients as Partners in ICU", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Speaker, "Precise Reasons for Readmission Matter", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Speaker, "Increasing ICU Access Can Improve Outcomes for Pneumonia", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Speaker, "Analyzing RCTs Including Heterogeneity of Treatment Effect for a Better Interpretation of Clinical Trials", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Speaker, "Persistent Critical Illness", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Round Table Participant and Speaker, "4 Mistakes I Have Made Thinking About Cognitive Dysfunction, Mood Disorders, and Long Term Psychiatric Morbidity (including Sexual Dysfunction) So You Don't Have To", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 3/2016 Speaker, "Big Data's Dangers: Increasingly Confident Wrong Answers", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium.
- 9/2016 Speaker, "Functional Disability After Sepsis", World Sepsis Day International Virtual Conference, Jena, Germany.
- 10/2016 Speaker, "My Assigned Title: Longterm Outcomes are Predetermined by Prior Morbidity", Fellow's Day, Critical Care Canada Forum, Toronto, Ontario.
- 10/2016 Speaker, "Late Mortality After Sepsis is Real", Critical Care Canada Forum, Toronto, Ontario.
- 11/2016 Speaker, "Persistent Critical Illness", Critical Care Canada Forum, Toronto, Ontario.
- 12/2016 Panelist, "Only 10% of UK Intensivists are Female: How Can We Do Better?", Intensive Care Society State of the Art Conference, London, United Kingdom.
- 12/2016 Speaker, "Heterogeneity of Treatment Effect", Session: Clinical Trials Master Class, Intensive Care Society State of the Art Conference, London, United Kingdom.
- 12/2016 Speaker, "First, Pick Your Patient", Session: Recovery & Rehab: Mapping the Journey, Intensive Care Society State of the Art Conference, London, United Kingdom.
- 12/2016 Speaker, Gillian Hanson Lecture, "The Three Unfinished Revolutions in Critical Care", Intensive Care Society State of the Art Conference, London, United Kingdom.
- 5/2017 Keynote Speaker "Enduring Morbidity & Mortality after Sepsis:How can we deal with it?", as well as "Why do People Get Stuck in our ICUs?", "Early Mobility is More Than Just Exercise", and panel discussion on contemporary ICU care of septic shock, Latin American Sepsis Institute, Sao Paulo, Brazil.
- 6/2017 Speaker, "PETAL Long-Term Outcomes" and Panelist, "In 15 years from now, what will we be kicking ourselves that we didn't ask?", Collaborative Clinical Trials in Intensive Care Medicine, Prato, Italy.
- 6/2017 Plenary Speaker, "Persistent Critical Illness" and Speaker for "Research Dark Arts" and "Hard-Core Critical Care", Social Media and Critical Care (SMACC) Conference, Berlin, Germany
- 1/2018 Speaker, "Peer Support to Improve Sepsis Survivorship", International Sepsis Forum Lowry Symposium, Whistler, British Columbia, Canada
- 3/2018 Speaker, "Change Makes Clinicians Uncomfortable: Deimplementing Sexism", "Peer Support", "The Importance of Secondary Outcomes", "The Day by Day Dynamics of Persistent Critical Illness", and "Recovery After In-Hospital Death", International Symposium on Intensive Care and Emergency Medicine, Brussels, Belgium
- 5/2019 Speaker, "Design and Rational For Text-based Interventions to Promote Recovery RCT - The PRIZES Study", "Choosing Outcomes For Clinical Trials", Intensive Care Medicine; Collaborative



9/2019 Clinical Trails in Intensive Care Medicine Conference. Monash University, Prato, Italy  
Speaker, "Improving the Quality of Life of ICU Survivors: What Can We Do?" "Role Of  
Neuromuscular Blockers In ARDS After ROSE Trial: "Antibiotics For Sepsis In the First Hour: Is It  
For All?" "The Long Term Impact Of Sepsis On Health Status", XVI Sao Paulo Critical Care  
Congress, Sao Paulo, Brazil

6/2020 "Avoiding Avoidable Errors in Discharging Mechanically Ventilated Patients", Norwegian  
Society of Anesthesiology, Virtual: Norway

**OTHER PROFESSIONAL ACCOMPLISHMENTS**

NONE