Theodore J. Iwashyna, MD, PhD

Associate Professor of Internal Medicine

Division of Pulmonary & Critical Care Medicine

Co-Director, Robert Wood Johnson Foundation Clinical Scholars Program

Research Scientist, Center for Clinical Management Research, Ann Arbor, VA

University of Michigan Health System

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University of Michigan Health System

2800 Plymouth Rd, NCRC Building 16, Room 332W

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[tiwashyn@umich.edu](mailto:tiwashyn@umich.edu)

EDUCATION & TRAINING

09/1990 - 06/1994 A.B. - Princeton University (Molecular Biology with honors)

07/1994 - 06/2001 Ph.D. - University of Chicago (Harris Graduate School of Public Policy).

Dissertation: "In Sickness and In Health: Understanding the Effects of Marriage on Health" (Committee: N.A. Christakis (chair), R.T. Michael, L.J. Waite). Qualifying exam foci: Demographic Methods and Biostatistics, Demography of Marriage and Families, and the Political Economy of Organizations.

07/1994 - 06/2002 M.D. - University of Chicago (Pritzker School of Medicine)

07/2002 - 06/2005 Resident, Department of Medicine, Hospital of the University of

Pennsylvania, Philadelphia, Pennsylvania

07/2005 - 06/2008 Fellow, Pulmonary, Allergy and Critical Care Division,

Department of Medicine, Hospital of the University of Pennsylvania,

Philadelphia, Pennsylvania

CERTIFICATIONS AND LICENSURES

BOARD CERTIFICATION

1. Diplomat, National Board of Medical Examiners, Pennsylvania

2005 - Internal Medicine, American Board of Internal Medicine, Candidate # 265626

Certified 08/23/2005, Certificate valid through 12/31/2015

2007 - Pulmonary Disease, American Board of Internal Medicine, Candidate # 265626

Certified 10/15/2007, Certificate valid through 12/31/2017

2008 - Critical Care Medicine, American Board of Internal Medicine, Candidate # 265626, Certified 11/13/2008, Certificate valid through 12/31/2018

STATE LICENSURE

2002 Pennsylvania Medical License, Pennsylvania, License # MD430259

2008 Michigan Medical License, Michigan, License # 4301091903

ACADEMIC, ADMINISTRATIVE, AND CLINICAL APPOINTMENTS

CLINICAL APPOINTMENTS

07/2004 - 06/2005 Medical Officer, Princess Marina Hospital, Gaborone, Botswana

ACADEMIC APPOINTMENTS

07/2005 - 06/2006 Adjunct Faculty, School of Medicine, University of Tasmania, Hobart, Australia

09/2005 - Senior Fellow, Leonard Davis Institute, University of Pennsylvania School

of Medicine, Philadelphia, Pennsylvania

07/2007 - 06/2008 Fellow, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania

07/2008 - 08/2013 Assistant Professor, Division of Pulmonary and Critical Care, Department of Internal Medicine, University of Michigan, Ann Arbor, Michigan

09/2009 - 09/2011 Core Faculty, Robert Wood Johnson Clinical Scholars, University of Michigan, Ann Arbor, Michigan

10/2010 - Staff Physician, VA Ann Arbor Healthcare System, Ann Arbor, Michigan

10/2010 - Research Scientist, Center for Clinical Management Research, VA Ann Arbor

Healthcare System, HSR&D Center of Innovation, Ann Arbor, Michigan

01/2011 - Faculty Associate, Survey Research Center, Institute for Social Research,

University of Michigan, Ann Arbor, Michigan

09/2011 – 07/2013 Associate Director, Robert Wood Johnson Clinical Scholars, University of Michigan, Ann Arbor, Michigan

07-2013 - Co-Director, Robert Wood Johnson Foundation Clinical Scholars, University of Michigan, Ann Arbor, Michigan

09/2013 - Associate Professor, Division of Pulmonary and Critical Care, Department of

Internal Medicine, University of Michigan, Ann Arbor, Michigan

01/2015 - 12/2015 Visiting Academic, Australian and New Zealand Intensive Care Research Centre,

Department of Epidemiology and Preventive Medicine, Monash University,

Melbourne, Victoria, Australia

GRANTS

PRESENT AND ACTIVE

The Centers for Disease Control and Prevention, Harvard Pilgrim Health Care INC.

U01HL123031

Platt(PI)

09/30/2015-06/30/2016

**Epicenters III: Translational Research to Prevent Healthcare Associated Infection**

Role: Co-Investigator

Total Direct Cost $99,692

Government of South Australia, South Australia Health

**The Feasibility and validity of obtaining pre-illness activity data in critically ill**

**patients using “smart-phone” technology: a validation study.**

Gluck (PI)

Role: Co-Investigator

01/01/2016-12/31/2016

Total Direct Costs: AU $49,900

VA National Center for Patient Safety – Patient Safety Center of Inquiry

**Enhancing Patient Safety of Preventing Device-Associated Harm**

Saint (Director)

Role: Co-Investigator

10/1/2015 – 9/30/2018

Total Direct Award: $842,000

Veterans Health Administration, Health Services Research & Development

VA HSR&D IIR 13-079

**Recovery after In-Hospital Cardiac Arrest: Late Outcomes & Utilization**

**(ResCU)**

PI: Theodore J. Iwashyna, MD, PhD and Brahmajee K. Nallamothu, MD, MPH.

Role: co-Principal Investigator

02/15/2014 – 02/14/2017

Total Direct Award: $1,092,812

NIH R21AG044752

PI: Theodore J. Iwashyna M.D. PhD.

**Longterm Impact of Natural Disasters on Disability and Health in Older Americans**

Role: PI

09/30/2013-06/30/2015

Total Direct Award: $275,000

NIH R01HS018334

PI: McMahon

**Models of Hospital-acquired Conditions and Readmission: Defining At-Risk Patients**

Role: Co-I

09/30/2013-09/29/2016

Total Direct Award: $83,733

Veterans Health Administration, Health Services Research & Development

VA HSR&D, Clinical Analytics and Reporting

**Advancing Performance Measurement Methods**

Co-PIs: Eve Kerr M.D., M.P.H., Tim Hofer M.D., M.S., Theodore J. Iwashyna M.D.,PhD.

Role: Co-PI

10/01/2012 – 09/30/2015

Total Direct Award: $253,000 in year 1, $282,313 in year 2

NIH R01AG42794

PI: Hotz

**Add-Health Parent Study Phase 1**

Role: Consultant

07/01/2013 -06/30/2014

Total Annual Direct Award: $23,361

Veterans Health Administration, Health Services Research & Development

VA HSR&D IIR 11-109

**Longterm Consequences for Veterans with Sepsis**

PI: Theodore J. Iwashyna, MD, PhD.

Role: Principal Investigator

10/01/2011 – 09/30/2014

Total Direct Award: $716,032

American Diabetes Association

ADA #7-12-CT-12

**Obesity Paradox: a Population-based Examination of Mortality & Morbidity**

PI: Virginia W. Chang, MD. Ph.D.

Role: Consultant

08/01/2012 – 07/30/2015

Total Annual Direct Award: $12,000

Intensive Care Foundation (Australia)

**Next Generation Assessments of Physcial Function in ICU Survivors**

PI: Skinner

11/01/2015-12/31/2016

Role: Co-Investigator

PREVIOUS GRANTS

NIH, via subcontract from University of Washington

KL2-TR-000421-06

**Association of Psychiatric Disorders with Potentially Preventable Acute**

**Medical-Surgical Hospitalizations.**

Role: Site PI

4/01/2013- 5/31/2013

Total Direct Award: $13,889

NIH**,** National Heart, Lung, and Blood Institute

NIH / NHLBI K08, HL091249

**The Structure and Outcomes of Critical Care Transfer Networks**

PI: Theodore J. Iwashyna, MD, PhD.

Role: Principal Investigator

07/01/2008 – 06/30/2013

Total Direct Award: $660,815

Robert Wood Johnson Foundation

**Physician Practice Communities**

PI: Lawrence Casalino, MD.

Role: Co-Investigator

08/15/2011 – 02/15/2013

Total Direct Award: $7,512

Society of Critical Care Medicine

2010 SCCM Vision Grant

**The Contribution of Functional Decline in Long-term Costs of Severe Sepsis**

PI: Theodore J. Iwashyna, MD, PhD

Role: Principal Investigator

01/01/2010 – 12/31/2011

Total Direct Award: $50,000

The University of Michigan

Office of the Vice President for Research Pilot Grant

**Decision-Making about the Transfer of Heart Attack Patients from Non-Revascularization** **Hospitals: An Initial Qualitative Study**

PI: Theodore J. Iwashyna, MD, PhD

Role: Principal Investigator

10/10/2009 – 09/30/2010

Total Direct Award: $31,140

Michigan Institute for Clinical and Health Research

MICHR Pilot & Collaborative Grant Program

**Functioning After Severe Sepsis**

PI: Theodore J. Iwashyna, MD, PhD

Role: Principal Investigator

06/01/2009 – 05/31/2010

Total Direct Award: $25,000

University of Michigan

Climate Savers Computing Initiative

**Securely Green Computing: Cloud Computing with Protected Health Information**

PI: Theodore J. Iwashyna, MD, PhD

Role: Principal Investigator

02/01/2009 – 09/01/2009

Total Direct Award: $5,000

American Thoracic Society

American Thoracic Society Fellows Career Development Award

**Network Analyses of Critical Care Transfers**

PI: Theodore J. Iwashyna, MD, PhD

Role: Principal Investigator

07/2007-06/2008

Total Direct Award: $50,000

University of Pennsylvania

Leonard Davis Institute Pilot Project

**Practice-Based Learning Through Objective Resident Benchmarking: A Pilot Proposal**

PI: Theodore J. Iwashyna, MD, PhD, and Co-I Lisa M. Bellini, MD

Role: Principal Investigator

08/2006-12/2007

Total Direct Award: $18,000

University of Pennsylvania

Robert Wood Johnson Population Health Pilot Project

**Measuring Disability in Medicare Claims: Preliminary Analyses**

PI: Jason D. Christie, MD, MSCE, and Co-PI: Theodore J. Iwashyna, MD, PhD

Role: Co-Principal Investigator

12/2004-12/2005

Total Direct Award: $9,580

HONORS

1. Medical Scientist Training Grant (NIGM NRSA), University of Chicago
2. Population Research Center Fellowship (NIA NRSA), University of Chicago
3. Infectious Disease Scholar, University of Chicago

2004 Edward W. Holmes Resident Research Award, Hospital of the University of Pennsylvania,

1. Bradley Fellows Research Award, Hospital of the University of Pennsylvania

Bradley Fellows Research Award Runner-Up, Hospital of the University of Pennsylvania

2007 American Thoracic Society Fellows Career Development Award

1. Bradley Fellows Research Award, Hospital of the University of Pennsylvania,

2010 Society for Critical Care Medicine Vision Grant

2011 University of Michigan H. Marvin Pollard Award for Outstanding Teaching of Residents

2011 American Thoracic Society Early Career Achievement Award, Behavioral Sciences

2013 University of Michigan Department of Internal Medicine Jerome W. Conn Award for Excellence in Research

2014 Society of Critical Care Medicine Presidential Citation

2014 University of Michigan Pulmonary & Critical Care Fellows’ Outstanding Educator Award

2014 Academy of Management Health Care Management Division Best International Paper

2015 Society of Critical Care Medicine Presidential Citation

MEMBERSHIP IN PROFESSIONAL SOCIETIES

2005 - American Thoracic Society

2005 - Society for Critical Care Medicine

2007 - International Network for Social Network Analysis

2012- Editorial Board, *Implementation Science*

2012- Associate Editor, *Annals of the American Thoracic Society*

PEER REVIEW SERVICES

EDITORIAL BOARDS

2012 - Implementation Science

2012 - Associate Editor, Annals of the American Thoracic Society

JOURNALS

American Journal of Medicine

American Journal of Public Health

American Journal of Respiratory & Critical Care Medicine

Annals of Internal Medicine, “Top 10% Reviewer, 2007, 2014”

Annals of Emergency Medicine

Archives of Pediatrics & Adolescent Medicine

Archives of Internal Medicine

BMC Family Practice

BMJ

Critical Care

Critical Care Medicine

Critical Care Research and Practice

Health Services Research

Hospital Practice

Implementation Science

Injury Prevention

Intensive Care Medicine

International Journal of Infectious Diseases

JAMA

Journal of Critical Care

Journal of General Internal Medicine

Journal of Pain and Symptom Management

Journal of Palliative Medicine

Medical Care “Top 5% Reviewer, 2009”

Medicine

New England Journal of Medicine

Pharmacoepidemiology & Drug Safety, “Outstanding Reviewer, 2007”

Physical Therapy Journal

Social Science and Medicine

GRANTS AND OTHERS

Guy’s & St. Thomas Charity (London, United Kingdom)

Physicians’ Serviced Incorporated Foundation (Ontario Canada)

Robert Wood Johnson Foundation Applying Behavioral Economics to

Perplexing Problems in Health and Health Care

United Kingdom's Economic and Social Research Council (ESRC)

University of Pittsburgh School of Medicine, Standing Committee for

Tenured Faculty Promotions and Appointments

VA HSR&D QUERI Rapid Response Project Review Panel HQ3

VA HSR&D/QUERI National Conference

TEACHING

TRAINEES

2008 - Melissa A. Miller, MD, MSc (Pulmonary Fellow, now Clinical Assistant

Professor, Pulmonary and Critical Care Medicine, University of Michigan)

2008 - 2011 Comilla Sasson, MD, MS (RWJF CSP Fellow, now Assistant Professor,

Emergency Medicine, University of Colorado, Denver)

2009 - Emily A Bosk, MSW (Sociology Graduate Student)

2009 - Colin R. Cooke, MD, MSc, MS (RWJF CSP Fellow, now Assistant Professor,

Pulmonary and Critical Care Medicine, University of Michigan)

Internal Medicine, University of Michigan)

2010 - 2011 Catherine Bonham, MD (Medical Resident, now Fellow, Pulmonary and Critical

Care Medicine, University of Chicago)

2010 - 2011 Lesli Skolarus, MD, MS (RWJF CSP Fellow, now Assistant Professor,

Neurology, University of Michigan)

2010 - 2011 James F. Burke, MD (RWJF CSP Fellow, University of Michigan, now Assistant

Professor, Neurology, University of Michigan))

2011 - 2012 Nishant Sekaran, MD (RWJF CSP Fellow, now Clinical Assistant

Professor, General Internal Medicine, University of Michigan)

2012 - Hallie Prescott, MD (Pulmonary Fellow, University of Michigan, now Assistant

Professor, Pulmonary and Critical Care Medicine, University of Michigan)

2013 - Lauren Hughes, MD (RWJF CSP Fellow, University of Michigan)

2013 - Andrew Schoenfeld, MD (RWJF CSP Fellow, University of Michigan, now

Assistant Professor, Orthopedic Surgery, Harvard University)

2013 - Kori Sauser, MD (RWJF CSP Fellow, University of Michigan, now

Assistant Professor, Emergency Medicine, Harvard University)

2013 - Vincent Liu, MD (K award mentee, and Research Scientist, Kaiser Permanente

Northern California Division of Research)

COURSES DEVELOPED AND LED

02/2010 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

12/2010 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

10/2011 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

06/2012 (Ongoing) Director, Workshop in Teaching Evidence-Based Medicine, Department of Medicine, University of Michigan, Ann Arbor, MI.

10/2012 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

10/2013 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

10/2014 Organizer, RWJ Clinical Scholars Program Innovation Tournament, University of Michigan, Ann Arbor, MI.

INTRAMURAL LECTURES AND SEMINARS

12/2008 Lecturer, “Regional Integration of Critical Care Services” RWJ Clinical Scholars Program, University of Michigan, Ann Arbor, MI.

04/2009 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

04/2009 Lecturer, “Critical Care in the United States” OS495: Organization of Health Policy, University of Michigan, Ann Arbor, MI.

08/2009 Speaker, “Therapy for Sepsis” Morning Report, University of Michigan, Ann Arbor, MI.

09/2009 Speaker, “The Informal Organization of Critical Care” Interdisciplinary Committee on Organizational Studies ICOS, University of Michigan, Ann Arbor, MI.

10/2009 Speaker, “Early Mobilization in the ICU” Pulmonary Update, University of Michigan, Ann Arbor, MI.

11/2009 Lecturer, “Sort of Like Facebook’: How to Think About Networks” General Pediatrics Methods Seminar, University of Michigan Ann Arbor, MI

11/2009 Speaker, “How Critical Care Transfers are Organized” Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.

11/2009 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.

01/2010 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.

02/2010 Lecturer, “5 + 2 Ways of Looking at a Network” HHCD740/741: Research on Health Care Delivery, Financing & Policy, University of Michigan, Ann Arbor, MI.

02/2010 Speaker, “Therapy for Sepsis” Morning Report, University of Michigan, Ann Arbor, MI.

03/2010 Speaker, “Burden of Illness After Severe Sepsis” Spring 2010 Health and Retirement Research-in-Progress Seminar, University of Michigan, Ann Arbor, MI.

06/2010 Speaker, “Liberation from Mechanical Ventilation” Pulmonary Core Curriculum, University of Michigan, Ann Arbor, MI.

09/2010 Speaker, “The Impact of Hospitalizations on Cognitive and Functional Trajectories” CHEAR Research Seminar, University of Michigan, Ann Arbor, MI.

10/2010 Speaker, “Long Term Outcomes After Sepsis” Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.

12/2010 Lecturer, “Introduction to Social Capital & Social Networks” HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.

03/2011 Speaker, “Using VA and HRS Data to Study the Impact of Sepsis on Veterans and Their Families” General Medicine Presentation, University of Michigan, Ann Arbor, MI.

03/2011 Speaker, “An Empirical Study of Surrogates' Preferred Level of Control over Value-Laden Life Support Decisions in Intensive Care Units” Journal Club – Clinical Case Conference, University of Michigan, Ann Arbor, MI.

04/2011 Lecturer, “Five Questions About Networks” HHCD740/741: Research on Health Care Delivery, Financing & Policy, University of Michigan, Ann Arbor, MI.

04/2011 Speaker, “Psychosocial & Emotional Aspect of Critical Care”, Pulmonary Core Curriculum, University of Michigan, Ann Arbor, MI.

04/2011 Lecturer, “How I Run a Family Meeting in the ICU” Pulmonary Core Lecture Series, University of Michigan, Ann Arbor, MI.

05/2011 Speaker: “Acute Illness as Life-Changing Event: Can New Thinking about Severe Sepsis Lead to New Interventions?” Nursing School, University of Michigan, Ann Arbor, MI.

10/2011 Speaker, “Unexpected Results & Spurious Inferences” Severe Sepsis and Geriatric Conditions” Clinical Epidemiology & Aging Research Seminar, University of Michigan, Ann Arbor, MI.

11/2011 Lecturer, “Complexities of Surrogate Decision-Making” School of Public Health: HMP612: Medical Management of Disease, University of Michigan, Ann Arbor, MI.

11/2011 Lecturer, “Introduction to Social Capital & Social Networks” HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.

01/2012 Speaker, “Spurious Inferences about Long-term Outcomes of Critical Illness” Pulmonary Research Conference, University of Michigan, Ann Arbor, MI.

01/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

02/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

04/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

05/2012 Discussant, Internal Medicine Journal Club, University of Michigan, Ann Arbor, MI.

06/2012 Lecturer, “Respiratory and Critical Care Medicine” Geriatrics Review Series, University of Michigan, Ann Arbor, MI.

07/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

09/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/2012 Discussant, Internal Medicine Journal Club, University of Michigan, Ann Arbor, MI.

10/2012 Speaker, “Survivorship”, University of Michigan Continuing Medical Education Program: Early Mobility: Patient-Centered Approach for Mobilizing the Critically Ill, Ann Arbor, MI.

10/2012 Speaker, “The First Six Hours of Severe Sepsis” Internal Medicine Residency Core Curriculum, University of Michigan, Ann Arbor, MI.

11/2012 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.

11/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

12/2012 Lecturer, “Introduction to Social Capital & Social Networks” HHCR700: Social & Cultural Aspects of Research on Health & Society, University of Michigan, Ann Arbor, MI.

12/2012 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

12/2012 Discussant, VA Internal Medicine Morbidity & Mortality Conference, University of Michigan, Ann Arbor, MI.

03/2013 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

04/2013 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

06/2013 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

07/2013 Discussant, Internal Medicine Morning Report, University of Michigan, Ann Arbor, MI.

10/2013 Speaker, “Clinical Cases in Critical Care Management”,26th Annual Update In Pulmonary & Critical Care Medicine, Ann Arbor, MI.

COMMITTEE, ORGANIZATIONAL AND VOLUNTEER SERVICE

INSTITUTIONAL

1994 - 1996 Domestic Violence Medical School Curriculum Committee

University of Chicago – Co-Chair

2003 Task Force on Medical Errors in Signouts, University of Pennsylvania

2003 - 2005 Resident Practice Committee, University of Pennsylvania

2007 - 2008 Committee on Data Privacy, Center for Clinical Epidemiology and Biostatistics, University of Pennsylvania

2007 - 2008 Institutional Review Board #4, University of Pennsylvania

2009 - Physician Lead, CCMU Early Mobility Working Group, University of Michigan

2011 - Critical Care Oversight Committee, Ann Arbor VA Medical Center

2011 - CCMR Work Group on Center Intellectual Activities, VA Ann Arbor Healthcare

System

2012 - Pulmonary T32 Internal Steering Committee, University of Michigan

2012 - MSTP Career Advisory Panel, University of Michigan

2013 - Mentor, Dean’s Scholar Program

2013 Co-Chair, Institute for Health Policy and Innovation Working Group to Design a Data and Computing Core

2013 - Pulmonary and Critical Care Divisional Mentoring Initiative

REGIONAL

2010 - MHA Keystone: ICU Collaborative, Advisory Board

2011 - Michigan Thoracic Society, Board of Directors, Member

NATIONAL

2005 - 2006 Advisory Group for the 2007 National Home and Hospice Care Survey, National Center for Health Statistics

2008 - 2009 American Thoracic Society Workshop on Pay-for-Performance in Pulmonary & Critical Care Medicine

2008 - 2010 American Thoracic Society Behavioral Sciences Assembly Program Committee

2010 Agency for Healthcare Research and Quality and Critical Care Societies Collaborative Workshop on the Research Agenda in ICU Telemedicine

2010 - 2012 H1N1 Impact on US Hospitals Analytic Team (HIHAT), U.S. Department of Health and Human Services

2011 - 2014 Society of Critical Care Medicine, Billing and Coding Oversight Committee

2011 - American Thoracic Society, Critical Care Program Committee

2011 - Society of Critical Care Medicine, Long Term Consequences Task Force

2012 - Institute of Medicine, Committee on Gulf War and Health: Long-term Effects of Blast Exposure

2012 - VISN 11 No Preventable Harms Think Tank

2013 - Robert Wood Johnson Foundation Clinical Scholars Program, Committee on Arrangements for 2013 National Meeting

2013 - Chair, Methods Advisory Council for the Inpatient Evaluation Center (IPEC),

Department of Veterans Affairs

INTERNATIONAL

2015 - Management Committee Member, Trial of Early Activity and Mobility (TEAM) in ICU, Melbourne, Australia

VOLUNTEER SERVICE (COMMUNITY AND HUMANITARIAN, SELECTED)

2010 - 2014 Staff Physician, MI-1 Disaster Medical Assistance Team

2010 - Coach, Angell Washtenaw Elementary Science Olympiad

VISITING PROFESSORSHIPS AND INVITED PRESENTATIONS

VISITING PROFESSORSHIPS - NATIONAL

04/2011 Visiting Professor, “Long-term Effects of Severe Sepsis” Wayne State University School of Medicine Harper University Hospital, Detroit, MI.

08/2011 Visiting Scholar, “Alive, But Different: Which Hospitalizations are Associated With New Cognitive Decline and Disability? Why Should We Care?” Puget Sound VA HSR&D, Seattle, WA.

08/2011 Visiting Scholar, “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.

05/2012 Visiting Professor, Internal Medicine Grand Rounds Faculty, “Severe Sepsis: Life-Threatening and Life-Altering” Ohio State University, Department of Internal Medicine, Columbus, OH.

11/2012 Visiting Professor, Critical Care Grand Rounds Faculty, “Life After Severe Sepsis” Mayo Clinic, Department of Critical Care, Rochester, MN.

02/2013 Visiting Professor, “The Surprising Heterogeneity in the Hazards of Hospitalization: Diagnosis Matters” University of Pennsylvania, Institute on Aging, Philadelphia, PA.

VISITING PROFESSORSHIPS - INTERNATIONAL

10/2009 Faculty, “Advanced Clinical Research Methods (Level 2)” Methods in Epidemiologic, Clinical and Operations Research (MECOR), American Thoracic Society & Latin American Thoracic Society, Botucatu, Brazil

01/2010 Visiting Professor, “Where They Go For Help: The Informal Organization of U.S. Inter-hospital Critical Care Transfers” Institute for Clinical Evaluative Sciences, Toronto, CA.

01/2010 Visiting Professor, “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, CA.

02/2014 Visiting Professor, “The Old Man’s Friend No More: Long-term Outcomes After Sepsis”, University of Manitoba Department of Medicine Grand Rounds, Winnipeg, Manitoba, Canada

02/2014 Visiting Professor, “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, Canada

02/2014 Visiting Professor, “Rescue Management of Refractory Hypoxemia”, University of Manitoba Critical Care Fellows Teaching Conference, Winnipeg, Manitoba, Canada

03/2014 Visiting Professor, Department of Intensive Care Medicine, University Medical Center Utrecht, the Netherlands, Departmental Grand Rounds: “Recovery and Challenges after Severe Sepsis: New Data” Nursing Education Lecture: “Long Term Outcomes from Sepsis in the Developed World” Utrecht, The Netherlands

INVITED PRESENTATIONS - NATIONAL

10/2005 Speaker, “The Interplay of Research and Practice in Clinical Medicine” Temple University, Department of Public Health, Philadelphia, PA.

04/2006 Speaker, “Epidemiology in Clinical Medicine” Temple University, Department of Public Health, Philadelphia, PA.

05/2006 Speaker, “Spouses of Mechanically Ventilated Patients Have Increased Mortality” Mini-Symposium, American Thoracic Society International Conference, San Diego, CA.

01/2007 Speaker, “The Network Structure of Critical Care Transfers” Sunbelt Conference, International Network for Social Network Analysis, St. Petersburg, FL.

07/2007 Speaker, “Critical Care Transfer Networks: A Research Agenda” Department of Health Care Policy, Harvard University, Boston, MA.

09/2007 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.

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.

11/2007 Speaker, “Using Inter-Hospital Transfers to Help the Critically Ill: A Network Perspective” Division of Pulmonary and Critical Care, Department of Medicine, University of Michigan, Ann Arbor, MI.

11/2007 Speaker, “Where Do The Really Ill. Go? An Analysis of Inter-hospital Transfers of the Critically Ill” Division of Pulmonary, Critical Care & Occupational Medicine, University of Iowa, Iowa City, IA.

01/2008 Speaker, “The Network Structure of Inter-hospital Transfers of the Critically Ill” Department of Critical Care Medicine, University of Pittsburgh, Pittsburgh, PA.

04/2008 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.

09/2008 Speaker, “Regional Integration of Critical Care: Structures and Outcome” Division of Pulmonary and Critical Care Medicine, University of Maryland, Baltimore, MD.

03/2009 Speaker, “Quality and Distance in Acute Heart Attack Care” Sunbelt Conference, International Network for Social Network Analysis, San Diego, CA.

05/2009 Facilitator, “Effectiveness and Organization of Healthcare in Pulmonary / Critical Care Medicine” Poster Discussion, American Thoracic Society International Conference, San Diego, CA.

10/2009 Speaker, “Early Mobilization in the ICU” Update on Pulmonary and Critical Care Medicine, University of Michigan, Ann Arbor, MI.

01/2010 Panelist, “Get Up, Stand Up” Keystone ICU Collaborative Annual Meeting, Lansing, MI.

01/2010 Facilitator, “Epidemiology & Outcomes: Predictors, Quality of Life, Safety” Poster Discussion, Society for Critical Care Medicine Annual Congress, Miami, FL.

05/2010 Chair and Session Organizer, “A Critical Crisis? Addressing ICU Staffing Challenges” American Thoracic Society International Conference, New Orleans, LA.

05/2010 Speaker, “Cells, ICU’s and Facebook: Thinking in a Network” Sunrise Seminar, American Thoracic Society International Conference, New Orleans, LA.

05/2010 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.

01/2011 Speaker, “Interhospital Transfers During Pandemics: Existing Strengths, Predictable Problems” Conference Session: Issues n Disaster & Pandemic Management. Society for Critical Care Medicine Annual Congress, San Diego, CA.

01/2011 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.

01/2011 Speaker, “Throughput” Conference Session: Operating at 110 Percent Capacity. Society for Critical Care Medicine Annual Congress, San Diego, CA.

08/2011 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.

09/2011 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.

05/2012 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.

05/2012 Speaker, “Avoiding an Epidemic of ICU-Induced Disability” American Thoracic Society International Conference, San Francisco, CA.

01/2013 Speaker, “Life Post-Intensive Care: Our Patients” Society of Critical Care Medicine Annual Congress, San Juan, PR.

01/2013 Speaker, “Choosing Wisely about LTACs” Society of Critical Care Medicine Annual Congress, San Juan, PR.

01/2013 Speaker, “Vertically Integrated Sepsis Care” Society of Critical Care Medicine Annual Congress, San Juan, PR.

05/2013 Chair, Session Organizer and Speaker, “At the Edge of the Evidence: What Should I Do Now?”, American Thoracic Society International Conference, Philadelphia, PA.

05/2013 Session Organizer and Speaker, “What was the Patient Like Before Their Critical Illness” at “Six Question We Must Ask to Understand Long-Term Outcomes After Critical Illness”, American Thoracic Society International Conference, Philadelphia, PA.

05/2013 Poster Discussion Session Facilitator, “Advancing Critical Care through New Approaches and Paradigms”, American Thoracic Society International Conference, Philadelphia, PA.

06/2013 Keynote Speaker, “Saving Lives by Really Using Good Quality Measures” Clinical Outcomes Assessment Program (Washington State) 17th Annual Statewide Meeting, Seattle, WA.

01/2014 Speaker, “The Old Man’s Friend No More: Disability and Cognitive Decline After Infection”, Kaiser Permanente Northern California Division of Research, Oakland CA.

01/2014 Speaker, “Costs of Post Intensive Care Syndromes (PICS) to Families & Societies” Society of Critical Care Medicine Annual Congress, San Francisco, CA.

05/2014 Speaker, “Life After Severe Sepsis: New Opportunities, New Problems” 2nd Annual Internal Medicine Spring Review, University of Michigan, Ann Arbor, MI.

05/2014 Chair, and Session Organizer, “At the Edge of the Evidence: Practicing Critical Care in the Real World”, American Thoracic Society International Conference, San Diego, CA.

05/2104 Chair, Session Organizer and Speaker, “Who are the New Veterans?” at “The New Veterans: Care Needs and Lessons Learned”, American Thoracic Society International Conference, San Diego, CA.

05/2014 Poster Discussion Session Facilitator, “Sepsis: Care Models and Outcomes”, American Thoracic Society International Conference, San Diego, CA.

05/2014 Lead Facilitator, Thematic Poster Session, “Case Vingnettes in Critical Care II”, American Thoracic Society International Conference, San Diego, CA.

08/2014 Speaker, “Survivorship of Severe Sepsis”, Keystone: Sepsis Monthly Webinar, Michigan Health & Hospital Association (MHA) Keystone Center, Lansing, MI

INVITED PRESENTATIONS - INTERNATIONAL

07/2010 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, ON.

11/2011 Speaker, “Disparities Across Social Lines” Critical Care Canada Forum. Toronto, ON.

03/2012 Speaker, “Quality of Life After Critical Illness: Understanding the Mechanisms” International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium

03/2012 Speaker, “Long-term Outcomes After Delirium” International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium

03/2012 Speaker, “Improvement Through Interhospital Transfer” International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium

10/2012 Speaker, “Preventing an Epidemic of Post-ICU Disability” Critical Care Canada Forum, Residents Day, Toronto, ON.

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, ON.

10/2012 Speaker, “Disability, Not (Just) Quality of Life as Outcome of RCT’s” Critical Care Canada Forum, Toronto, ON.

10/2012 Speaker, “User’s Guide to Quality Metrics” Critical Care Canada Forum, Toronto, ON.

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, “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 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

03/2014 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

03/2014 Speaker, “eRecords for Benchmarking and Performance Assessment” International Symposium for Intensive Care and Emergency Medicine, Brussels, Belgium

03/2014 Speaker, “Sepsis Outcomes: How much is due to the hospital or the Health System?” International Symposium for Intensive Care and Emergency Medicine, Brussels Belgium

03/2104 Speaker, “Why Does Higher Patient Volume Not Necessarily Yield Better Outcomes in Severe Sepsis?” International Symposium for Intensive Care and Emergency Medicine, Brussels Belgium

03/2014 Speaker, “A User’s Guide to Quality Metrics” International Symposium for Intensive Care and Emergency Medicine, Brussels Belgium

09/2014 Speaker, “The Burdens of Survivorship: An Approach To Thinking About Long-term Outcomes After Critical Illness”, Plenary Conference: 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina

09/2014 Speaker, “Functional Outcomes of Patients with Mechanical Ventilation and SDRA”, Symposium: Update in SDRA, 24th Argentine Congress on Intensive Care, Mar del Plata, Argentina

09/2014 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

09/2014 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

02/2015 Speaker: “Recovery & Challenges after Severe Sepsis: New Data & More Questions” Critical Care and Trauma Division, The George Institute, Sydney, Australia

BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS

* 1. Christakis NA, Iwashyna TJ. Attitude and self-reported practice regarding prognostication in a national sample of internists. *Arch Intern Med* 1998;158(21): 2389-2395, PMID: 9827791
  2. 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* 1998; 35(4): 413-419, PMID: 9850466
  3. Christakis NA, Iwashyna TJ. Spousal Illness Burden is Associated with Delayed Use of Hospice Care in Terminally Ill Patients. *J Palliat Med* 1998; 1(1): 3-10, PMID: 15859867
  4. Iwashyna TJ, Christakis NA. Attitude and self-reported practice regarding hospice in a national sample of internists. *J Palliat Med* 1998; 1(4): 241-248, PMID: 15859834
  5. Iwashyna TJ, Christakis NA, Becker LB. Neighborhoods matter: a population-based study of provision of cardiopulmonary resuscitation. *Ann Emerg Med* 1999; 34(4 Pt 1): 459-468, PMID: 10499946
  6. Zhang JX, Iwashyna TJ, Christakis NA. The performance of different look back periods and sources of information for Charlson comorbidity adjustment in Medicare claims. *Med Care* 1999; 37(11): 1128-1139, PMID: 10549615
  7. Christakis NA, Iwashyna TJ. Impact of individual and market factors on the timing of initiation of hospice terminal care. *Med Care* 2000; 38(5): 528-541, PMID: 10800979
  8. Iwashyna TJ, Zhang JX, Lauderdale DS, Christakis NA. Refinements of a methodology for detecting married couples in the Medicare data. *Demography* 2000; 37(2): 251-252, PMID: 10836183
  9. Iwashyna TJ, Chang VW. Racial and ethnic differences in place of death: United States, 1993. *J Am Geriatr Soc* 2002; 50(6): 1113-1117, PMID: 12110074
  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* 2002; 5(4): 515-529, PMID: 12243676
  11. 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* 2002; 5(4): 531-538, PMID: 12243677
  12. Iwashyna TJ, Curlin FA, Christakis NA. Racial, ethnic, and affluence differences in elderly patients' use of teaching hospitals. *J Gen Intern Med* 2002; 17(9): 696-703, PMCID PMC1495104
  13. 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 Onc* 2002; 20(19): 3992-3998, PMID: 12351596
  14. Iwashyna TJ, Chang VW, Zhang JX, Christakis NA. The lack of effect of market structure on hospice use. *Health Serv Res*  2002; 37(6): 1531-1551, PMCID: PMC1464044
  15. Iwashyna TJ, Brennan G, Zhang JX, Christakis NA. Finding Married Couples in the Medicare Claims Data. *Health Serv Outcomes Res Methodol* 2002; 3(1): 75-86, DOI: 10.1023/A:1021535025363
  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*  2003; 57(3): 465-475, PMID: 12791489
  17. Iwashyna TJ. On the Detection of Nursing Home Use in Medicare Claims. *Health Serv Outcomes Res Methodol*  2003; 4(3): 187-196
  18. Iwashyna TJ, Christakis NA. Marriage, widowhood, and health-care use. *Soc Sci Med* 2003; 57(11): 2137-2147, PMID: 14512244
  19. Iwashyna TJ. Critical care use during the course of serious illness. *Am J Respir Crit Care Med* 2004; 170(9): 981-986, PMID: 15271691
  20. Han B, Remsburg RE, Iwashyna TJ. Differences in hospice use between black and white patients during the period 1992 through 2000. *Med Care* 2006; 44(8): 731-737, PMID: 168620634
  21. Iwashyna TJ, Christie JD. Low use of durable medical equipment by chronically disabled elderly. *J Pain Symptom Manage* 2007; 33(3): 324-330, PMID: 17349502
  22. Rhodes KV, Iwashyna TJ. Child injury risks are close to home: parent psychosocial factors associated with child safety. *Matern Child Health J* 2007; 11(3): 269-275, PMID: 17216351, PMC-Journal – in process
  23. Netzer G, Shah CV, Iwashyna TJ, Lanken PN, Finkel B, Fuchs B, Guo W, Christie, JD. Association of Red Cell Transfusion with Mortality in Patients with Acute Lung Injury. *Chest* 2007;132(4):1116-1123, PMID: 17505028
  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* 2008;177:285, PMID: 18006884, PMCID: PMC2218846
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  26. Iwashyna TJ, Kramer AA, Kahn JM. Intensive Care Unit Occupancy and Patient Outcomes. *Crit Care Med* 2009;37(5):1545-1557, PMCID: PMC2782597
  27. Iwashyna TJ, Christie JD, Kahn JM, Asch DA. Uncharted Paths: Hospital Networks in Critical Care. *Chest* 2009; 135(5):827-833, PMCID: PMC26692049
  28. Iwashyna TJ, Christie JD, Moody JS, Kahn JM, Asch DA. The structure of critical care transfer networks. *Med Care* 2009; 47(7):787-793, PMCID: PMC2760433
  29. 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* 2009; 37(3):2149-2154, PMID: 19455025
  30. Kahn JM, Ten Have TR, Iwashyna TJ. The relationship between hospital volume and mortality in mechanical ventilation: an instrumental variable analysis. *Health Serv Res* 2009; 44(3):862-897, PMCID: PMC2699912
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  33. 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* 2009; 9(2):117-132
  34. Dine CJ, Bellini LM, Iwashyna TJ. Team effect on variation in laboratory utilization on subspecialty services. *Acad Med* 2009; 84(10): 563-566, PMID 19907389
  35. Rhodes KV, Iwashyna TJ. Male Perpetrators of Intimate Partner Violence: Support for Health Care Interventions Targeted at Level of Risk. *Behav Change* 2009; 26(3): 174-189
  36. Seymour CW, Iwashyna TJ, Cooke CR, Hough CL, Martin GS. Marital status and the epidemiology and outcomes of sepsis. *Chest* 2010; 137(6): 1289-1296, PMCID: PMC2881630
  37. Sasson C, Keirns CC, Smith D, Sayre M, Macy M, Meurer W, McNally BF, Kellerman AL, Iwashyna TJ. Small Area Variations in Out-of-Hospital Cardiac Arrest: Does the Neighborhood Matter? *Ann Int Med* 2010; 153(1): 19-22, PMID 20516307, PMCID: PMC3632370, [NIHMS452982](http://www.ncbi.nlm.nih.gov/pmc/articles/mid/NIHMS452982/)
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  40. Miller MA, Arndt JL, Konkle MA, Chenweth CE, Iwashyna TJ, Flaherty KR, Hyzy RC. A Polyurethane Cuffed Endotracheal Tube (PUC-ETT) is Associated with Decreased Rates of Ventilator-Associated Pneumonia. *J Crit Care* 2011; 26(3):280-86, PMID: 20655698
  41. Kahn JM, Iwashyna TJ. Accuracy of the discharge destination field in administrative data for identifying transfer to a long-term care hospital. *BMC Res Notes* 2010; 3:205, PMCID: PMC2917437
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  44. Iwashyna TJ, Fuld A, Asch DA, Bellini LM. The impact of residents, interns and attendings on inpatient laboratory ordering patterns. *Acad Med* 2011; 86(1): 8-10, PMID: 20938318
  45. Nicholas LH, Dimick JB, Iwashyna TJ. Do Hospitals Alter Patient Care Effort Allocations Under Pay-for-Performance? *Health Serv Res* 2011; 46(1 pt 1): 61-81, PMCID: PMC3034262
  46. Iwashyna TJ, Ely EW, Smith DM, Langa KM. Long-term Cognitive Impairment and Functional Disability Among Survivors of Severe Sepsis. *JAMA* 2010; 304(16): 1787-94, PMCID: PMC3345288
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  49. Sasson C, Keirns CC, Smith DM, Sayre M, Macy M, Meurer W, Mcnally BF, Kellerman AL, Iwashyna TJ. Examining the Contextual Effects of Neighborhood on Out-of-Hospital Cardiac Arrest and the Provision of Bystander Cardiopulmonary Resuscitation. *Resuscitation* 2011; 82(6): 674-679, PMID: 21458136, PMCID PMC3655549
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  51. Unnikrishnan KP, Patnaik D, Iwashyna TJ. Spatio-temporal Structure of US Critical Care Transfer Network. *Proc 2100 AMIA Clin Res Informatics Summit* 2011; 74-78, PMID: PMC3248748
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  56. Rakoski MO, McCammon RJ, Piette JD, Iwashyna TJ, Marrero JA, Lok AS, Langa KM, Volk M. Burden of Cirrhosis on Older Americans and Their Families: Analysis of the Health and Retirement Study. *Hepatology* 2012; 55: 184-191, PMCID [PMC3462487](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3462487/), [NIHMS319106](http://www.ncbi.nlm.nih.gov/pmc/articles/mid/NIHMS319106/)
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  63. Burke JF, Kerber KA, Iwashyna TJ, Morgenstern LB. Wide Variation and Rising Utilization of Stroke MRI: Data from Eleven States. *Ann Neurol* 2012; 71(2): 179-185, PMCID: PMC3297973
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  65. Gershengorn HB, Iwashyna TJ, Cooke CR, Scales DC, Kahn JM, Wunsch H. Variation in the Use of Intensive Care for Adults with Diabetic Ketoacidosis. *Crit Care Med* 2012; 40(7):2009-2015, PMID: 22564962, PMCID: PMC3561634
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