CURRICULUM VITAE

Colin Roy Cooke, MD, MSc, MS

PERSONAL DATA

Present Title	Assistant Professor, Department of Medicine
University Address/Phone	Center for Healthcare Outcomes & Policy University of Michigan 2800 Plymouth Road Building 16, Room 127W Ann Arbor, MI 48109-2800 Office: (734) 615-9681 Fax: (734) 998-7473
E-mail	cookecr@umich.edu

EDUCATION

8/1992-5/1996	**Bachelors of Science and Engineering, Chemical Engineering, *magna cum laude*** University of Michigan, College of Engineering, Ann Arbor, MI
8/1996-6/2000	**Doctor of Medicine** Ohio State University, College of Medicine and Public Health, Columbus, OH
9/2005-6/2007	**Master of Science, Epidemiology** University of Washington, School of Public Health, Seattle, WA
7/2009-10/2010	**Master of Science, Health & Health Care Research** University of Michigan, Rackham Graduate School, Ann Arbor, MI

POSTGRADUATE MEDICAL TRAINING

7/2000-6/2003	**Internship and Residency** University of Washington, Department of Medicine, Seattle, WA
7/2003-6/2004	**Chief Medical Resident, Harborview Medical Center** University of Washington, Department of Medicine, Seattle, WA
7/2004-6/2007	**Fellow** University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine
7/2009-6/2011	**Robert Wood Johnson Clinical Scholar** University of Michigan, Department of Medicine, Ann Arbor, MI

CERTIFICATION AND LICENSURE

1998	USMLE I
1999	USMLE II
2002	USMLE III
2003-2013	American Board of Internal Medicine (ABIM ID: 217972)
2006-2016	Pulmonary Medicine
2007-2017	Critical Care Medicine
11/2006 - 12/2009	Washington State License #MD00042899
7/2009 – present	Michigan State License #4301093824

ACADEMIC, ADMINSTRATIVE, and CLINICAL APPOINTMENTS

Academic Appointments:

2012-present Assistant Professor of Medicine
Department of Medicine, Division of Pulmonary & Critical Care Medicine, University of Michigan

2009-2012 Clinical Lecturer
Department of Medicine, Division of Pulmonary & Critical Care Medicine, University of Michigan

2009-2011 Research Fellow
Robert Wood Johnson Clinical Scholars Program, Department of Medicine, Division of General Internal Medicine, University of Michigan

2007-2009 Research Fellow
University of Washington, Department of Medicine, Division of Pulmonary and Critical Care Medicine

Clinical Appointments:

2009-present Staff Physician, University of Michigan Medical Center

RESEARCH INTERESTS

- Understanding variation and growth in the use of critical care services
- Characterizing and removing disparities in ICU care
- Automated identification of critical illness syndromes
- Statistical methods for outcome prediction and multi-level analysis

GRANTS

Current Grants:

AHRQ K08 HS020672 (C. Cooke)
Understanding Variation in the Use of Critical Care Services 07/01/12 - 06/30/17
Goal: To determine the underlying drivers of growth and variation in the use of critical care services in the United States.
Role: PI
Total direct costs: $719,000

Previous Grants:

Robert Wood Johnson Foundation (C. Cooke) 01/01/1-08/30/11
University of Michigan Health and Society Scholars
Determining the impact of Massachusetts heath care reform on use of critical care services
Role: PI
Total direct costs: $25,000

Robert Wood Johnson Foundation (R. Hayward) 07/01/09-06/30/11
Clinical Scholars Program
The goal of funding period is to develop research skills and foster interest in policy-relevant research.
Role: Research Fellow / Trainee
Total direct costs: $200,000 / year

CHEST Foundation/OrthoBio. Clinical Affairs (C. Cooke) 7/01/05-6/30/07
Predictors of Mortality in Acute Lung Injury
Goal: To determine the predictors of mortality in a population-based cohort of patients with acute lung injury.
Role: PI
Total direct costs: $10,000

5T32 HL007287 (L. Hudson) 7/01/05-6/30/07
NIH/NHLBI
Respiratory Research Training Grant
Goal: Institutional training grant for research training in the field of pulmonary and critical care medicine.
Role: Research Fellow / Trainee
Total direct costs: $819,506

1F32 HL090220-01 (C. Cooke) 7/01/07-6/30/08
NIH/NHLBI
Title: Development of an Acute Lung Injury Severity Measure
Goal: To develop a severity of illness measure that accurately predicts mortality in a community-based population of acute lung injury.
Role: PI
Total direct costs: $56,000

Firland Foundation (C. Cooke) 7/01/08-6/30/09
Title: Natural Language Processing of Radiology Reports in Patients with Acute Lung Injury
Goal: To determine the feasibility, reliability, and validity of a computerized chest x-ray report reading tool.
Role: PI
Total direct costs: $6,382

Acute Lung Injury Endowment Grant (C. Cooke) 7/01/08-6/30/09
University of Washington, Division of Pulmonary & Critical Care Medicine
Title: Natural Language Processing of Radiology Reports in Patients with Acute Lung Injury
Goal: To determine the feasibility, reliability, and validity of a computerized chest x-ray report reading tool.
Role: PI
Total direct costs: $3,000

American Thoracic Society
Fellow Career Development Award (C. Cooke) 7/01/08-6/30/09
Title: Relationship between Race/Ethnicity and Enrollment in Acute Lung Injury Clinical Trials
Goal: To compare the enrollment rates and reasons for exclusion for racial/ethnic groups in acute lung injury clinical trials.
Role: PI
Total direct costs: $50,000

HONORS AND AWARDS

1995	*Omega Chi Epsilon* – national Chemical engineering honor society
1995	*Tau Beta Pi* – national engineering honor society
1997	Roessler Research Scholarship Award
1997	Med I Academic Excellence Award
1998	OSUCOM USMLE Step I Honors (top 1% of students)
1999	*Alpha Omega Alpha*
2000	The American College of Physicians Award, OSU College of Medicine (awarded to top graduate pursuing training in Internal Medicine)
2000	Louis H. Mendelson Award in Cardiology, OSU College of Medicine
2000	The Watman Achievement Award, OSU College of Medicine
2001, 2002	Resident Student Teaching Award (nomination)
2003-2004	Chief Medical Resident, Harborview Medical Center, University of Washington, Department of Medicine
2006	Selected 1st Annual Pulmonary & Critical Care Fellows' Research Conference (ACCP)
2006	The CHEST Foundation Clinical Research Trainee Award in Critical Care
2007	American Lung Association Senior Research Training Fellowship (declined)
2007	Kirschstein National Research Service Award (F32), National Institutes of Health
2007	American College of Chest Physicians, Chest Challenge semi-finalist
2007-2009	National Institutes of Health Clinical Research Loan Repayment Program
2008	American Thoracic Society Fellow Career Development Award
2009	Robert Wood Johnson Clinical Scholar, University of Michigan, Ann Arbor, MI
2009-2011	National Institutes of Health Clinical Research Loan Repayment Program - Renewal
2011-2012	National Institutes of Health Clinical Research Loan Repayment Program – Renewal
2012	Nominated for Program Committee Chair, Behavioral Science and Health Services Research Assembly, American Thoracic Society
2012	American Heart Association Fellow To Faculty Transition Award (declined)

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2003-	Member, American Thoracic Society
2005-	Member, Society of Critical Care Medicine
2006-	Member, American College of Chest Physicians
2007-2011	Member, American Association for Respiratory Care
2010-	Member, Academy Health
2012-	Member, American Heart Association

EDITORIAL POSITIONS, BOARDS, and PEER-REVIEW SERVICE

Editorial Board
2007-2011 *Respiratory Care*

Statistical Reviewer
2007-2011 *Respiratory Care*

Journal peer-review service

2007- *American Journal of Respiratory and Critical Care Medicine*
2011- *Anesthesiology*
2010- *Annals of Internal Medicine*
2010- *Archives of Internal Medicine*
2011- *BMC Health Services Research*
2010- *Chest*
2006- *Critical Care*
2010- *Critical Care Medicine*
2008- *Intensive Care Medicine*
2009- *Journal of Critical Care*
2010- *Journal of Evaluation in Clinical Practice*
2012- *Journal of General Internal Medicine*
2011- *Medical Care*
2012- *Proceeding of the American Thoracic Society*
2007- *Respiratory Care*

Ad-hoc editorial service
2011-2012 Associate Documents Editor, *American Journal of Respiratory and Critical Care Medicine*

Ad-hoc grant review service
2012 *Physician Services Incorporated Foundation*

Abstract conference review service
2007-present American Thoracic Society International Conference
2008-present Society of Critical Care Medicine

TEACHING

6/2003 Intern Procedure Course Syllabus, Seattle, WA
Assembled relevant literature on implementation of common procedures in Internal Medicine used in instruction of week long procedure course

6/2004 "A Toast to Health: The Health Benefits of Alcohol"
Medical Grand Rounds, University of Washington Medical Center

4/2005 "The Effects of Alcohol on Sleep"
Sleep Grand Rounds, University of Washington, Harborview Medical Center

4/2005 "Exercise Physiology and Disease in Ice Hockey Players"
Exercise Physiology Study Group, University of Washington Medical Center

11/2005 "Pleural Disease"
Med IV Student Pulmonary Clerkship

12/2005	"Inhibitors of Performance in Ice Hockey: A Pulmonologist's Perspective" Sports Academic Conference, University of Washington Medical Center
4/2006	"Use of Severity of Illness Measures in Individual Patients" Respiratory & Critical Care Conference, Seattle Area Chest Grand Rounds
10/2006	"Predictors of Mortality in a Population Based Cohort of Acute Lung Injury" Pulmonary Research Seminar, University of Washington, Seattle, WA
1/2008	"ICU Staffing and Patient Outcomes" Respiratory & Critical Care Conference, Seattle Area Chest Grand Rounds
4/2008	"The Effect of Intensive Care Unit Staffing Model on Tidal Volume in Patients with Acute Lung Injury" Pulmonary Research Seminar, University of Washington, Seattle, WA
6/2008	"Approach to Diagnosis and Management of Pleural Effusions" Internal Medicine House staff Noon-Conference, University of Washington, Seattle, WA
10/2008	"A Guide for Designing Poster Presentations" Internal Medicine House staff, University of Washington, Seattle, WA
5/2010	Designed and chaired a full day post-graduate course at the American Thoracic Society (ATS) International Conference in May 2010, "Novel Research Opportunities in Clinical Research Utilizing Existing Data."
5/2010	"Threats to Validity in Secondary Data Analysis: Critiquing the Literature" American Thoracic Society Post Graduate Course - Novel Research Opportunities in Clinical Research Utilizing Existing Data
5/2011	"Describing Methods and Reporting Results" American Thoracic Society Post Graduate Course - Scientific Writing: Publishing for Academic Success
10/2011	Innovation Tournament Invited Guest Provided one-on-one feedback to several Robert Wood Johnson Foundation Master's students about the quality and potential impact of their research portfolio
12/2011	"The Use of Existing Data for Critical Care Research: Examples from the Field" Surgical Critical Care Core Curriculum, University of Michigan, Ann Arbor, MI.
6/2012	"Unpacking the Determinants of Variation in the Use of Critical Care Services" Pulmonary & Critical Care Research Conference, University of Michigan, Ann Arbor, MI
7/2012	"Making Journal Club Useful" Pulmonary & Critical Care Core Curriculum, University of Michigan, Ann Arbor, MI
9/2012	"M2 Respiratory Sequence Small Group Cases" Facilitated discussion of respiratory cases for second year medical students

University of Michigan, Ann Arbor, MI

9/2012 "The Impact of Race/Ethnicity on the Incidence and Outcomes of Critical Illness" University of Michigan, Update in Pulmonary and Critical Care Medicine University of Michigan, Ann Arbor, MI

COMMITTEE, ORGANIZATIONAL, and VOLUNTEER SERVICE

Committee Service

Institutional

2011-present Adult Ethics Committee, University of Michigan Medical Center

National

2007-present Member, Program Committee, Behavioral Science and Health Services Assembly, American Thoracic Society

2008-present Member, Document Development and Implementation Committee, American Thoracic Society

2009-2012 Member, Advocacy Committee, Society of Critical Care Medicine

2010-present Member, Program Committee, Critical Care Assembly, American Thoracic Society

2011-present Member, Quality Improvement Committee, American Thoracic Society

2012-present Vice-Chair, Document Development and Implementation Committee, American Thoracic Society

2012-present Ad-Hoc Member, Committee for Developing Performance Measures from ATS Guidelines, American Thoracic Society

Organizing Roles in National Scientific Meetings

05/2010 Co-chair and facilitator, Post-graduate Course: "Novel research opportunities in clinical research utilizing existing data." American Thoracic Society International Conference, New Orleans, LA.

05/2010 Facilitator, Poster-Discussion Session: "Can ALI/ARDS cases be sub-categorized; epidemiology and prognosis". American Thoracic Society International Conference, New Orleans, LA.

05/2010 Facilitator, Thematic Poster Session: "Global Perspectives to Understanding and Improving Respiratory Care through Health Research". American Thoracic Society International Conference, New Orleans, LA.

05/2011 Facilitator, Thematic Poster Session: "ICU Management." American Thoracic Society International Conference, Denver, CO.

05/2012 Chair, Mini-Symposium: "From Bay to Breaking ICU Capacity: Staffing, Strains and Stemming the Tide." American Thoracic Society International Conference, San Francisco, CA.

05/2012 Lead-Facilitator, Thematic Poster Session: "Improving Quality in the Intensive Care Unit" American Thoracic Society International Conference, San Francisco, CA.

EXTRAMURAL INVITED PRESENTATIONS

5/2006 "Severity of Illness Measures in a Population Based Cohort of Acute Lung Injury"
2006 American Thoracic Society Mini-Symposium

6/2006 "The Pitfalls of using Prognostic Measures to Benchmark ICUs"
Ohio State University, Columbus, OH

6/2008 "Objective Tools to Inform Patient Prognosis in the ICU"
Lung Day, University of Washington's Center for Urban Horticulture Seattle, WA

5/2009 "Studies of secondary data: When are they appropriate, what are the pitfalls?
2009 American Thoracic Society International Conference, San Diego, CA.

5/2009 "Use of Prognostic Indices in Individual Patients"
2009 American Thoracic Society International Conference, Sunrise Seminar, San Diego, CA.

5/2010 "Threats to Validity in Secondary Data Analysis: Critiquing the Literature"
2010 American Thoracic Society International Conference, New Orleans, LA

5/2010 "Race is Associated with the Timeliness but not Destination of Transfer to Revascularization Hospitals after Acute Myocardial Infarction"
2010 American Thoracic Society International Conference, New Orleans, LA

11/2010 "Understanding Variation in the Use of Critical Care Services"
2010 Clinical Research, Investigation, and Systems Modeling of Acute Illness Laboratory (CRISMA), Critical Care Health Policy Conference, University of Pittsburgh, Pittsburgh, PA

5/2011 "Describing Methods and Reporting Results" in course "Publishing for Academic Success" 2011 American Thoracic Society International Conference, Denver, CO

11/2011 "Databases for Critical Care Epidemiology and Cost-Effectiveness Research"
2011 US Critical Illness and Injury Clinical Trials Group Annual Meeting, NIH, Bethesda, MD

BIBLIOGRAPHY

Peer-Reviewed Publications

1. **Cooke CR.** Bronchopulmonary Sequestration: Teaching Case of the Month (review). *Respir Care* 2006;51:661-4

2. Wall RJ, Curtis JR, **Cooke CR**, Ebgelberg RA. Family satisfaction in the ICU: Differences between families of survivors and non-survivors. *Chest*. 2007;132:1425-33

3. **Cooke CR**, Sheffield JVL, Hirschmann JV. Fishing for a Diagnosis (review). *J Hosp Med*. 2007;2:345-51

4. **Cooke CR,** Kahn JM, Caldwell EC, Hudson LD, Rubenfeld GD. Predictors of hospital mortality in a population-based cohort of patients with acute lung injury. *Crit Care Med*. 2008;36:1412-20. PMID: 18434894

5. **Cooke CR**, Watkins TR, Kahn JM, Treggiari MM, Caldwell EC, Kahn JM, Hudson LD, Rubenfeld GD. The effect of an intensive care unit staffing model on tidal volume in patients with acute lung injury. *Critical Care*. 2008;12:R134. PMCID: PMC2646342

6. Seymour CW, Cross B, **Cooke CR**, Gallop R, Fuchs BD. Physiologic impact of closed-system endotracheal suctioning in spontaneously breathing patients receiving mechanical ventilation. *Respir Care*. 2009;54:367–374

7. **Cooke CR**, Shah CV, Gallop R, Bellamy S, Ancukiewicz M, Eisner MD, Lanken PN, Localio AR, Christie JD; ARDSnet. A simple clinical predictive index for objective estimates of mortality in acute lung injury. *Crit Care Med*. 2009;37:1913-1920. PMCID: PMC2731230

8. Solti I, **Cooke CR,** Xia F, Wurfel MM. Automated classification of radiology reports for acute lung injury: Comparison of keyword and machine learning based natural language processing approaches. *Proceedings (IEEE Int Conf Bioinformatics Biomed)*. 2009; 314–319. PMCID: PMC2998031.

9. **Cooke CR**, Kahn JM, Watkins TR, Hudson LD, Rubenfeld GD. Cost-effectiveness of implementing low tidal volume ventilation in patients with acute lung injury. *Chest*. 2009;136:79-88. PMCID: PMC2716714.

10. Warner K, Carlbom D**, Cooke CR**, Bulger E, Copass M, Sharar S. Paramedic training for proficient prehospital endotracheal intubation. *Prehosp Emerg Care*. 2010;14:103-8. PMID: 19947874

11. Seymour CW, **Cooke CR**, Mikkelsen M, Hylton J, Rea T, Goss C. Out-of-hospital fluid in severe sepsis: effect on early resuscitation in the emergency department. *Prehosp Emerg Care*. 2010;14:145-52. PMID: 20199228

12. Karir V, **Cooke CR**, Andersson L, Caldwell E, Rubenfeld GD. Practice variability in the assessment and treatment of critical illness-related corticosteroid insufficiency. *J Crit Care*. 2010;363.e9-363.e14. PMID: 19781894

13. Seymour CW, Iwashyna TJ, **Cooke CR**, Hough CT, Martin G. Marital status and the epidemiology and outcomes of sepsis. *Chest.* 2010;137:1289-96. PMCID: PMC2881630.

14. **Cooke CR**, Erickson SE, Watkins TR, Matthay MM, Rubenfeld GD. Age-, sex-, and race-based differences among patients enrolled versus not enrolled in acute lung injury clinical trials. *Crit Care Med.* 2010;38:1450-7. PMID: 20386308

15. **Cooke CR**, Hotchkin DL, Engelberg RA, Rubinson L, Curtis JR. Predictors of time to death after terminal withdrawal of mechanical ventilation in the ICU. *Chest*. 2010;138:289-97. PMCID: PMC2913765

16. Seymour CW, Kahn JM, **Cooke CR**, Watkins TR, Heckbert SR, Rea TD. Prediction of critical illness during out-of-hospital emergency care. *JAMA.* 2010;304:747-755. PMID: 20716737

17. Seymour CW, Band R, **Cooke CR**, Mikkelsen ME, Hylton J, Rea T, Goss C, Gaieski D. Out-of-hospital characteristics and care of patients with severe sepsis: A cohort study. *J Crit Care*. 2010;25:553-62. PMCID: PMC2904432

18. **Cooke CR**, Joo MJ, Udris EM, Johnson E, Au DH. The validity of using ICD-9 codes and pharmacy records to identify patients with chronic obstructive pulmonary disease. *BMC Health Serv Res*. 2011, 11:37. PMCID: PMC3050695

19. Seymour CW, Carlbom D, **Cooke CR**, Watkins TR, Bulger EM, Rea TD, Baird GS. Temperature and time stability of whole blood lactate: implications for feasibility of pre-hospital measurement. *BMC Research Notes*. 2011, 4:169: PMCID: PMC3125345

20. **Cooke CR**, Nallamothu B, Kahn JM, Birkmeyer JD, Iwashyna TJ. Race and Timeliness of Transfer for Revascularization in Patients with Acute Myocardial Infarction. *Med Care*. 2011;49(7):662-667. PMID: 21677592

21. Lyon SM, Benson NM, **Cooke CR**, Iwashyna TJ, Ratcliffe SJ, Kahn JM. The effect of insurance on mortality and procedural use in critically ill patients. *Am J Respir Crit Care Med*. 2011;184:809–815. PMCID: PMC3208609

22. Parsons EC, Hough CL, Seymour CW, **Cooke CR**, Rubenfeld GD, Watkins TR, for the NHLBI ARDS Network. Red blood cell transfusion and outcomes in patients with acute lung injury, sepsis and shock. *Critical Care*. 2011, 15:R221.

23. Lane-Fall M, Iwashyna TJ, **Cooke CR**, Benson NM, Kahn JM. Insurance and racial differences in long-term acute care utilization after critical illness. *Crit Care Med*. 2012;40:1143-1149.

24. Abir M, Choi H, **Cooke CR**, Wang SC, Davis MM. Impact of a mass casualty incident: clinical outcomes and hospital charges for casualty patients versus concurrent inpatients. *Acad Emerg Med*. 2012;19:280-286

25. **Cooke CR**, Erickson SE, Eisner MD, Martin GS. Trends in the incidence of non-cardiogenic acute respiratory failure: the role of race. *Crit Care Med*. 2012;40:1532-8.

26. Slatore CG, Cecere LM, LeTourneau J, O'Neil ME, Duckart JP, Wiener RS, Farjah F, Zeliadt S, **Cooke CR**. Intensive care unit outcomes among patients with lung cancer in the SEER-Medicare registry. *J Clin Oncol*. 2012;30:1686-91

27. Seymour CW, **Cooke CR**, Hebert PL, Rea TD. Intravenous access during pre-hospital emergency care of non-injured patients: a population-based outcome study. *Ann Emerg Med*. 2012;59:296-303

28. 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*. 2012;40:2009-2015

29. Iwashyna TJ, **Cooke CR**, Wunsch H, Kahn JM. Trends in long-term survivorship after severe sepsis. *J Am Geriatr Soc*. 2012;60:1070-7

30. Watkins TR, Nathens AB, **Cooke CR**, Psaty BM, Maier RV, Cuschieri J, Rubenfeld GD. Acute Respiratory Distress Syndrome after Trauma: Development and Validation of a Predictive Model. *Crit Care Med*. 2012;40:2295-2303

31. **Cooke CR**, Kennedy E, Wiitalia W, Amenoff P, Sales A, Iwashyna TJ. Despite Variation in Volume, VA Hospitals Show Consistent Outcomes among Patients with Non-Post-Operative Mechanical Ventilation. *Crit Care Med.* 2012;40:2569-2575

32. Seymour CW, Iwashyna TJ, Ehlenbach WJ, Wunsch H, **Cooke CR**. Hospital variation in the use of intensive care. *Health Serv Res.* 2012;47:2060-2080

33. Goldberger ZD, Chan PS, Berg RA, Kronick SL, **Cooke CR**, Lu M, Banerjee M, Hayward RA, Krumholz HM, Nallamothu BK. Duration of resuscitation efforts and subsequent survival after in-hospital cardiac arrest. *Lancet.* (in press)

34. Jensen KM, **Cooke CR**, Davis MM. Fidelity of administrative data when researching down syndrome. *Med Care* (in press)

35. Prescott HC, **Cooke CR**, Brower R, O'Brien J. Predictors of elevated plateau pressure in patients with acute lung injury receiving low tidal volume ventilation. *Crit Care Med.* (in press)

36. **Cooke CR**, Iwashyna TJ. Using existing data to answer important questions in critical care (review). *Crit Care Med.* 2012 (in press)

Non Peer-Reviewed Publications (Editorials, letters, book reviews)

1. **Cooke CR.** Chest X-ray made easy (book review). Corne J, Carroll M, Brown I, Delany D. Churchill Livingstone. 2nd ed., 2002. Published in: *Respir Care* 2003;48:960

2. **Cooke CR,** Rubenfeld GD. Epoetin alfa in critically ill patients (letter). *N Engl J Med.* 2007;357:2516

3. **Cooke CR**, Frank D, Frank, R. The relative importance of unmeasured covariates in racial/ethnic disparities research (letter). *Am J Respir Crit Care Med.* 2008;178:774

4. **Cooke CR.** How to Report Statistics in Medicine. (book review) Lang TA, Secic M. American College of Physicians. 2nd ed., 2006. Published in: *Respir Care* 2008;53:510-511

5. **Cooke CR**. Translating evidence into practice: how good is good enough? (editorial) *J Eval Clin Pract*. 2010;15:1187-9

6. **Cooke CR**, Kahn JM. Deconstructing racial and ethnic disparities in critical care (editorial). *Crit Care Med.* 2010;38:978-80

7. **Cooke CR**. The siren song of simple tools to predict mortality (editorial). *Respir Care* 2011;56:533-535.

8. **Cooke CR**. The economics of mechanical ventilation and respiratory failure (review). *Crit Care Clin* 2012;28:39–55

9. **Cooke CR**, Curtis JR. Admitting patients with preset treatment limitations to the ICU: An opportunity to clarify goals of care (editorial). *Crit Care Med* 2012;40:2239-2241

10. Kross EK, Curtis JR, **Cooke CR**. Whom should we rely on when assessing symptoms of critically ill patients? (editorial) *Crit Care Med.* 2012;40:2899-2900

11. **Cooke CR**. Improving the efficiency of intensive care unit admission decisions (editorial) *Crit Care Med.* (in press)

12. Seymour CW, Iwashyna TJ, **Cooke CR**. Managing uncertainty in claims-based sepsis research (editorial) *Crit Care Med.* (in press)

13. Ehlenbach WJ, **Cooke CR**. Making ICU prognostication patient centered: is there a role for dynamic information? (editorial) *Crit Care Med.* (in press)

14. **Cooke CR**, Watkins TR. Understanding variation in the incidence of ARDS: the role of race (editorial) *Chest.* (in press)

Book Chapters

1. **Cooke CR**, Curtis JR. Measuring the Impact of Patient Safety Programs: The Value of Process and Outcome Evaluation. In: Patient Safety and Quality of Care in Intensive Care Medicine. J.D. Chiche, R. Moreno, C. Putensen, A. Rhodes (Ed.) Published by Medizinisch Wissenschaftliche Veransgesellschaft, Berlin, Germany. Pp. 572 (2009)

Other Media

1. Watkins TR, **Cooke CR**. A 67 year old man with massive hemoptysis. American Thoracic Society, Critical Care Assembly, 2009. Accessed at http://www.thoracic.org/sections/clinical-information/critical-care/critical-care-cases/index.html. (web educational material)

Abstracts (selected):

1. **Cooke CR**, Kahn JM, Caldwell EC, Hudson LD, Rubenfeld GD. Severity of Illness Measures in a Population Based Cohort of Acute Lung Injury. American Thoracic Society National Meeting. San Diego, CA. 2006. (oral presentation)

2. **Cooke CR**, Kahn JM, Caldwell EC, Hudson LD, Rubenfeld GD. Exploration of severity of illness measures in a population-based cohort of acute lung injury. 1st Annual American College of Chest Physicians Pulmonary & Critical Care Research Fellows' Conference. Big Sky, Montana. 2006.

3. Watkins TR, Rubenfeld GD, Martin TR, **Cooke CR**, Caldwell EC, Nathens AB. Serum Markers of Alveolar Epithelial and Endothelial Injury and Clinical Outcomes in Severely Injured Patients. American Thoracic Society National Meeting. San Francisco, CA. 2007.

4. **Cooke CR.** A hidden cause of hemoptysis in a young man with recurrent pneumothoraces. Fellows Case Symposium. 2007 American Thoracic Society International Meeting, San Francisco, California. (oral presentation).

5. **Cooke CR,** Kahn JM, Treggiari MM, Caldwell EC, Watkins TR, Hudson LD, Rubenfeld GD. Predictors of Protective and Injurious Tidal Volume Delivery to a Population-Based Cohort of Acute Lung Injury. American Thoracic Society National Meeting. San Francisco, California. 2007.

6. **Cooke CR,** Watkins TR, Hudson LD, Matthay MA, Rubenfeld GD, NIH/NHLBI ARDSnet.

Relationship of Race/Ethnicity to Enrollment in Clinical Trials of Acute Lung Injury. Society of Critical Care Medicine Annual Congress, Honolulu, Hawaii. 2008.

7. **Cooke CR**, Watkins TR, Matthay MA, Hudson LD, Rubenfeld GD; NIH/NHLBI ARDSnet. Enrollment in acute lung injury clinical trials: age- and sex-based differences. American Thoracic Society International Meeting, Toronto, Ontario, Canada. 2008.

8. Watkins TR, **Cooke CR**, Hudson LD, Caldwell E, Rubenfeld GD, Nathens AB, Martin TR. Transfusion and Lung Injury: the Role of Red Blood Cell Storage Time. Society of Critical Care Medicine Annual Congress. Honolulu, Hawaii. 2008.

9. Watkins TR, Nathens AB, **Cooke CR**, Hudson LD, Martin TR, Rubenfeld GD. Post-traumatic Acute Respiratory Distress Syndrome: Development of A Novel Predictive Model. American Thoracic Society National Meeting. Toronto, Ontario 2008.

10. Solti I, **Cooke CR**. Using Machine Learning and Natural Language Processing for Acute Lung Injury Classification: Preliminary Study. Radiology Society of North America Annual Meeting. Chicago, Illinois 2008.

11. **Cooke CR**, Joo M, Urdis EM, Johnson E, and Au D. Using Administrative Data To Accurately Identify. Patients with Chronic Obstructive Pulmonary Disease (COPD). *Am J Respir Crit Care Med*, Apr 2009; 179: A4531.

12. Erickson SE, **Cooke CR**, Eisner MD, Martin GS. Effect of Race on the Incidence of Acute Lung Injury. *Am J Respir Crit Care Med*, Apr 2009; 179: A5096.

13. Hotchkin DL, **Cooke CR**, Engelberg RA, Rubinson L, and Curtis JR. Predictors of Time to Death Following Withdrawal of Mechanical Ventilation in Adults. *Am J Respir Crit Care Med*, Apr 2009; 179: A5231.

14. **Cooke CR**, Solti I, Watkins TR, Rubenfeld GD, Hough CL, and Wurfel MM. Automated Identification of Acute Lung Injury (ALI) Cases Using Keyword Search of Chest Radiograph Interpretations. *Am J Respir Crit Care Med*, Apr 2009; 179: A4661.

15. Seymour CW, Band RA, **Cooke CR**, Mikkelsen ME, Hylton J, Rea TD, Goss CH, and Gaieski DF. Pre-Hospital Distress Is Associated with Early Physiologic Outcomes in Severe Sepsis. *Am J Respir Crit Care Med*, Apr 2009; 179: A4713.

16. **Cooke CR**, Rubenfeld GD, and Iwashnya TJ. Aggregating Diverse Predictors to Increase Prognostic Accuracy: The Case of Mortality after Acute Lung Injury. *Am J Respir Crit Care Med*, Apr 2009; 179: A1421.

17. Lyon SM, Iwashyna TJ, **Cooke CR**, Benson NM, Kahn JM. The Effect of Health Insurance on Intensive Care Mortality and Procedural Utilization. *Am J Respir Crit Care Med*, May 2010.

18. Lane-Fall M, Benson NM, Iwashyna TJ, **Cooke CR**, Kahn JM. Insurance and Racial Differences in Long-term Acute Care Utilization after Critical Illness. 2010 Society of Critical Care Medicine International Congress. Miami, FL.

19. **Cooke CR**, Nallamothu BK, Kahn JM, Hayward RA, Iwashyna TJ. Race is associated with the timeliness but not destination of transfer to revascularization hospitals after acute myocardial

infarction. *Am J Respir Crit Care Med*, May 2010.

20. **Cooke CR**, Lyon SM, Wunsch H, Kahn JM. The impact of Massachusetts healthcare insurance reform on critical care outcomes. *Am J Respir Crit Care Med*, May 2012.

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