

BIOGRAPHICAL SKETCH

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NAME Connors, Alfred F. Jr.		POSITION TITLE Professor of Health Evaluation Sciences Director, Division of Health Services Research and Outcomes Evaluation	
eRA COMMONS USER NAME AFCONNORS			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
St. Louis University, St. Louis, MO	BA	1971	Chemistry
Medical College of Ohio, Toledo, OH	MD	1974	Medicine

A. Positions and Honors**Positions and Employment**

1974-1977	Medical Resident, PGY 1-3, Cleveland Metropolitan General Hospital, Cleveland, Ohio
1978-1981	Fellow in Pulmonary Disease and Critical Care, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma
1981-1989	Assistant Professor of Medicine, Case Western Reserve University School of Medicine
1989-1996	Associate Professor of Medicine, Case Western Reserve University School of Medicine
1996-2002	Professor of Internal Medicine and Health Evaluation Sciences, Director, Division of Health Services Research and Outcomes Evaluation, University of Virginia School of Medicine, Charlottesville, VA
2002 – present	Charles H. Rammelkamp Professor and Chair, Case Western Reserve University Department of Medicine at MetroHealth Medical Center, Cleveland Ohio

Other Experience and Professional Memberships

1988 - 1996	Chairman, Steering Committee, Study to Understand Prognosis and Preferences for Outcomes and Risks of Treatment (SUPPORT), Robert Wood Johnson Foundation
1997	NHLBI and FDA Workshop on Pulmonary Artery Catheterization and Clinical Outcomes
2000	NHLBI Workshop on Clinical Epidemiology of Lung Disease
2001 -	FACTT Executive Committee, NHLBI ARDS Clinical Trials Network
2001 -	ARDSnet Executive Committee, NHLBI ARDS Clinical Trials Network

A. Selected peer-reviewed publications (in chronological order):

1. Connors, AF, Dawson, NV, McCaffree, DR, Gray, BA, Siciliano, C. Predicting hemodynamic status in critically-ill patients: Do physicians use clinical information optimally? *J Crit Care*, 2:174-180, 1987.
2. Emerman CL, Connors AF Jr., Lukens TW, May M, Efron D. A randomized controlled trial of methylprednisolone in the emergency treatment of acute exacerbations of COPD. *Chest*, 95:563-567, 1989.
3. Speroff T, Connors AF, Dawson NV. Lens model analysis of hemodynamic status in the critically ill. *Med Decis Making*, 9:243-252, 1989.
4. Speroff T, Connors AF, Dawson NV. The lens model: A gem of a method of judgment analysis or a diamond in the rough? *Med Decis Making*, 9:257-261, 1989
5. Connors AF Jr., Dawson NV, Shaw PK, Montenegro HD, Nara AR, Martin L. Accuracy of assessment of hemodynamic status in critically ill patients with and without acute heart disease. *Chest*, 1990; 98:1200-06
6. Dawson NV, Connors AF Jr., Shaw PK, Hsiue IL, Arkes HR. Hemodynamic assessment in the critically ill: "Is physician confidence warranted?" *Med Decis Making*, 1993;13:258-266.
7. Connors AF, Dawson NV, Arkes HR, Roach MJ. Decision making in SUPPORT: physician perceptions and preferences. *J Clin Epidemiol*, 1990;43:59S-62S.
8. Dawson NV, Connors AF Jr., Shaw PK, Hsiue IL, Arkes HR. Hemodynamic assessment in the critically ill: "Is physician confidence warranted?" *Med Decis Making*, 1993;13:258-266.

9. Teno JM, Lynn J, Phillips RS, Murphy D, Youngner SJ, Bellamy P, Connors AF, Jr., Desbiens N, Fulkerson W, Knaus WA, and the SUPPORT investigators. The impact of formal advanced directives on decision-making regarding resuscitation for seriously ill adults. *J Clin Ethics*, 1994; 5:23-30.
10. Covinsky KE, Goldman L, Cook EF, Oye R, Desbiens N, Reding D, Fulkerson W, Connors AF Jr, Lynn J, Phillips RS. The impact of serious illness on patients families. *JAMA*, 1994; 272:1839-1844.
11. Arkes HR, Dawson NV, Speroff T, Lynn JD, Harrell FE, Alzola C, Phillips R, Desbiens N, Oye RK, Knaus W, Connors AF and the SUPPORT Investigators. The covariance decomposition of the probability score and its use in evaluating prognostic estimates. *Med. Decis. Making* 1995;15:120-131.
12. The SUPPORT Investigators. Impact of an intervention to improve decision-making for seriously ill hospitalized patients. *JAMA* 1995;275:1591-1598.
13. Hakim RB, Teno JM, Harrell FE Jr., Knaus WA, Wenger N, Phillips RS, Layde P, Vidaillet H, Califf R, Connors AF Jr., Lynn J. Factors influencing do-not-resuscitate orders: patient preferences, prognoses, and physician judgments. *Ann Intern Med*, 1996; 125: 284-293.
14. Connors AF, Jr., Speroff T, Dawson NV, Thomas CL, Harrell FE, Wagner DW, Desbiens N, Goldman L, Wu AW, Fulkerson WJ, Califf R, Bellamy PE, Vidaillet H, Broste SK, Knaus WA. The effectiveness of right heart catheterization in the initial care of critically ill patients. *JAMA*, 1996; 276: 889-897.
15. Connors AF, Jr., Dawson NV, Thomas CL, Harrell FE, Desbiens N, Fulkerson WJ, Califf R, Kussin P, Bellamy PE, Goldman L, Knaus WA. Acute exacerbation of severe chronic obstructive lung disease: hospital and long term outcomes. *Am J Resp Crit Care Med*, 1996; 154: 959-967.
16. Lynn J, Teno JM, Phillips RS, Wu AW, Desbiens N, Harrold J, Claesens MT, Wenger N, Kreling B, Connors AF Jr. Perceptions by family members of the dying experience of older and seriously ill patients: the SUPPORT study. *Ann Intern Med*, 1997;126:97-106.
17. Hofmann JC, Wenger NS, Davis RB, Teno JM, Connors AF Jr., Desbiens N, Lynn J, Phillips RS. Patient preferences for communication with physicians about end-of-life decisions. *Ann Inter Med* 1997;127:1-12.31.
18. Roach MJ, Connors AF Jr., Dawson N, Speroff TS, Wenger Neil, Wu AW, Tsevat J, Schubert DSP. Depressed mood and its relationship to physical functioning, severity of illness and mortality. *Arch Intern Med*, 1998;158:397-404.
19. Weeks JC, Cook EF, O'Day SJ, Peterson, LM, Wenger N, Reding D, Harrell FE, Kussin P, Dawson NV, Connors AF Jr., Lynn J, Phillips RS. Relationship between cancer patients' predictions of prognosis and their treatment choices. *JAMA* 1998; 279:1709 -1714.
20. Cooper GS, Chak A, Connors AF, Harper DL, Pine M, Rosenthal GE. The effectiveness of early endoscopy for upper gastrointestinal hemorrhage: a community based analysis. *Medical Care* 1998;36:462-474.
21. Jaagosild P, Dawson NV, Thomas C, Wenger NS, Tsevat J, Knaus WA, Califf RM, Goldman L, Vidaillet H, Connors AF Jr. Outcomes of acute exacerbation of severe congestive heart failure: quality of life, resource use and survival. *Arch Intern Med*, 1998;158:1081-1089.
22. Hamel MB, Teno JM, Goldman L, Lynn J, Davis RB, Galanos AN, Desbiens N, Connors AF, Phillips RS. Patient age and decisions to withhold life-sustaining treatments in seriously ill hospitalized adults. *Ann Intern Med*, 1999;130:116-125.
23. Covinsky KE, Wu AW, Landefeld CS, Connors AF, Jr., Phillips RS, Tsevat J, Dawson NV, Lynn J, Fortinsky RH. Health status versus quality of life in older patients: Does the distinction matter?. *Am J Med*, 1999;106:435-440.
24. Isaacs RB, Nock SL, Spencer CE, Connors AF, Wang XG, Sawyer R, Lobo PI. Racial disparities in renal transplant outcomes. *Am J Kidney Dis*, 1999; 34: 706-712.
25. Goodlin SJ, Zhong ZS, Lynn J, Teno JM, Fago JP, Desbiens N, Connors AF, Wenger NS, Phillips RS. Factors associated with use of cardiopulmonary resuscitation in seriously ill hospitalized adults. *JAMA* 1999; 282: 2333-2339.
26. Auerbach AD, Hamel MB, Davis RB, Connors AF, Regueiro C, Desbiens N, Goldman L, CaliffRM, Dawson NV, Wenger N, Vidaillet H, Phillips RS. Resource use and survival of patients hospitalized with congestive heart failure: Differences in care by specialty of the attending physician. *Ann Intern Med* 2000; 132:191-200.
27. Johnston KC, Connors AF Jr, Wagner DP, Knaus WA, Wang XQ, and Haley, EC Jr. A predictive risk model for outcomes of ischemic stroke. *Stroke* 2000; 31: 448-455.

28. Hamel MB, Phillips RS, Davis RB, Teno J, Connors AF, Desbiens N, Lynn J, Dawson NV, Fulkerson W, Tsevat J. Outcomes and cost-effectiveness of ventilator support and aggressive care for patients with acute respiratory failure due to pneumonia or acute respiratory distress syndrome. *Am J Med.* 2000;109:614-620.
29. Rose JH, O'Toole EE, Dawson NV, Thomas C, Connors AF Jr, Wenger N, Phillips RS, Hamel MB, Reding DT, Cohen HJ, Lynn J. Generalists and oncologists show similar care practices and outcomes for hospitalized late-stage cancer patients. *Medical Care.* 2000;38:1103-1118.
30. Arseneau KO, Cohn SM, Comminelli F, Connors AF Jr. Cost-utility of initial medical management for Crohn's disease perianal fistulae. *Gastroenterology* 2001;120:1640-1656.
31. Stukenborg GJ, Wagner DP, Connors AF Jr. A comparison of two comorbidity measures with and without information from prior hospitalizations. *Medical Care,* 2001;39:727-739.
32. Arseneau KO, Stukenborg GJ, Connors AF Jr., Comminelli F. The incidence of lymphoid and myeloid malignancies among hospitalized Crohn's disease patients. *Inflammatory Bowel Diseases* 2001;7:106-112.
33. Mancini MJ, Connors, AF, Jr., Wang XQ, Nock S, Spencer C, McCullough C, Lobo P, Isaacs R. HLA matching for simultaneous pancreas-kidney transplantation in the United States: A multivariable analysis of the UNOS data. *Clinical Nephrology* 2002;57:27-37.
34. Johnston KC, Wagner DP, Haley, EC Jr., Connors AF Jr., Combined clinical and imaging information as an early stroke outcome measure. *Stroke* 2002;33:466-472.
35. Hamel MB, Phillips R, Teno J, Davis RB, Goldman L, Lynn J, Desbiens N, Connors AF, Tsevat J. Cost-effectiveness of aggressive care for patients with nontraumatic coma. *Crit Care Med* 2002;6:1191 – 1196.
36. Mancini MJ, Connors AF Jr, Wang XQ, Nock S, Spencer C, Mccullough C, Lobo P, Isaacs R. HLA matching for simultaneous pancreas-kidney transplantation in the United States: a multivariable analysis of the UNOS data. *Clin Nephrol.* 2002 Jan;57(1):27-37.
37. Render ML, Kim HM, Welsh DE, Timmons S, Johnston J, Hui S, Connors AF Jr, Wagner D, Daley J, Hofer TP; VA ICU Project (VIP) Investigators. Automated intensive care unit risk adjustment: results from a National Veterans Affairs study. *Crit Care Med.* 2003;31:1638-46
38. Johnston KC, Connors AF Jr, Wagner DP, Haley EC Jr. Predicting outcome in ischemic stroke: external validation of predictive risk models. *Stroke.* 2003;34:200-2
39. Stukenborg GJ, Wagner DP, Harrell FE, Oliver MN, Kilbridge K, Lyman J, Einbinder J, Connors AF. Hospital discharge abstract data on comorbidity improved the prediction of death among patients hospitalized with aspiration pneumonia. *J Clin Epidemiol* 2004; 57: 522-532.
40. Garland A, Dawson NV, Altmann I, Thomas CL, Phillips RS, Tsevat J, Desbiens NA, Bellamy PE, Knaus WA, Connors AF Jr. Outcomes up to 5 years after severe, acute respiratory failure. *Chest* 2004; 126: 1897-904.
41. Oliver MN, Stukenborg GJ, Wagner DP, Harrell FE Jr, Kilbridge KL, Lyman JA, Einbinder J, Connors AF Jr. Comorbid disease and the effect of race and ethnicity on in-hospital mortality from aspiration pneumonia. *J Natl Med Assoc.* 2004; 96: 1462-9.
42. Stukenborg GJ, Kilbridge KL, Wagner DP, Harrell FE Jr, Oliver MN, Lyman JA, Einbinder JS, Connors AF Jr. Present-at-admission diagnoses improve mortality risk adjustment and allow more accurate assessment of the relationship between volume of lung cancer operations and mortality risk. *Surgery.* 2005;138:498-507.
43. Render ML, Kim HM, Deddens J, Sivaganesin S, Welsh DE, Bickel K, Freyberg R, Timmons S, Johnston J, Connors AF Jr, Wagner D, Hofer TP. Variation in outcomes in Veterans Affairs intensive care units with a computerized severity measure. *Crit Care Med.* 2005;33:930-9.
44. NHLBI Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network. Wheeler AP, Wiedemann HP, Bernard GR, Thompson BT, deBoisblanc B, Connors AF, Hite D, Schoenfeld D, A Harabin A. Pulmonary artery or central venous catheter guided treatment of acute lung injury. *New Engl J Med,* 2006;354:2213-24.
45. NHLBI Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network. Wiedemann HP, Wheeler AP, Bernard GR, Thompson BT, deBoisblanc B, Connors AF, Hite D, Schoenfeld D, A Harabin A. Comparison of Two Fluid Management Strategies in Acute Lung Injury. *New Engl J Med,* 2006;354: 2564-75.

C. Research Support**Ongoing Research Support**

K12 RR023264 Rudick (PI) 09/23/2004-07/31/2009

NIH/NCRR

CASE/Cleveland Clinic Multidisciplinary Clinical Research Training Program

Member of the Multidisciplinary Advisory and Mentorship committees for multidisciplinary, team-based clinical research training, key component of the NIH Strategic Roadmap related to clinical research. The MCRTP will train clinical investigators as future national leaders in team-based multidisciplinary clinical research.

Role: Co-Principal Investigator

HHSN268200536168C Wiedemann (PI) 09/30/2005 - 09/29/2012

NIH/NHLBI

“Clinical research network for the treatment of Acute Lung Injury (ALI) and the Acute Respiratory Distress Syndrome (ARDS)”

Participation in study design, patient accrual, data collection and data analysis for a series of clinical trials related to ALI and ARDS.

Role: Co-Principal Investigator

RO1 HD030053-07A1 Cuttler (PI) 09/30/2005 - 09/30/2010

NIH/NICHD

“Assessment of Growth Hormone Use in Short Children.”

Participation in study design, survey design, data collection and data analysis for a series studies of perceptions, attitudes and decision making about the use of growth hormone in the care of children with short stature.

Role: Co-Investigator

K23-RR019544-01 Ali (PI) 09/01/2006 - 07/31/2011

NIH/NCRR

TSP-1: A mediator of sepsis-induced lung injury

Determining the role of inflammatory cell recruitment in lung injury

Role: Mentor

K07-CA-85754-01 Kilbridge (PI) 05/01/2001 – 04/30/2006

NIH/NCI

“Prostate cancer utilities among African-American males” Determining patient preferences for the risks and outcomes of the treatment of prostate cancer in a rural African-American population including development of a culturally competent instrument for use in a low literacy subgroup

Role: Mentor

Completed Research Support

K23-NS-02168-01-NST Johnston (PI) 07/01/2000 - 06/30/2005

NIH/NINDS

"Predictive Risk Model for Acute Ischemic Stroke"

Mentoring and consultation for career development and for the development & validation of an improved prospective model of stroke outcomes

Role: Co-Mentor

K02-HS-11419-01 Stukenborg (PI) 06/01/2001 – 05/31/2004

NIH/AHRQ

“Mortality risk adjustment using hospital claims data”

Development, validation and further refinement of new comorbidity models for use with specific diseases in administrative data sets

Role: Co-Mentor