

**BIOGRAPHICAL SKETCH**

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NAME: **Dawson, Neal V.**

eRA COMMONS USER NAME (credential, e.g., agency login): NDAWSON

POSITION TITLE: Professor of Medicine, Epidemiology & Biostatistics

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Missouri - Columbia	AB	05/1971	Zoology
University of Missouri - Columbia	-----	05/1972	Physiology
University of Missouri - Columbia, School of Medicine (SOM)	MD	05/1976	Medicine
University of Missouri - Columbia, SOM	-----	06/1979	Internal Medicine (IM)
University of Missouri - Columbia, SOM	-----	06/1980	IM Chief Resident
University of California - San Francisco: Robert Wood Johnson Clinical Scholar Program	-----	06/1982	Clinical Epidemiology Decision Sciences

**A. Personal Statement**

Dr. Dawson is an internationally known research scientist in the areas of clinical epidemiology, decision science, medical decision making and health services research (T3 and T4). He is a General Internal Medicine physician who has led and co-led large nationally funded multi-site, multi-institutional, interdisciplinary studies since 1988 (PI and PI/PD for studies of end of life care, alcohol screening, alcohol use and hepatitis C). Most recently he is co-PI of an RCT based investigation of an intervention designed to help patients with both serious mental illness and diabetes mellitus enhance their levels of self-management of both illnesses. He has more than 157 scientific publications and has an h-factor of 41. Since 2004 he has been mentor to three K-12 scholars and three KL-2 scholars. Throughout his career, he has been mentor to more than a dozen Masters and PhD thesis students as well as numerous residents and medical students.

As a senior faculty member at the Center for Health Care Research and Policy, MetroHealth Campus of Case Western Reserve University (Case), Dr. Dawson has been active in the planning, implementation, and evaluation of the Case CTSA (K-12 and transition to KL2): CTSA planning groups, multidisciplinary research advisory committee, evaluation committee, leadership committee, mentorship committee, and curriculum committee. He is director of the KL-2 Scholar Seminar Series. In this required portion of the curriculum, the scholars develop skills in communicating effectively with audiences that are unfamiliar with the context, jargon, and research methodologies of each scholar's primary discipline. In addition, scholars provide their colleagues with feedback about their research projects from a multi-disciplinary view point, discuss advances in research methodologies more generally and provide input to enhance the value and effectiveness of research proposals. In the current proposal he will continue as director of the KL-2 Scholar Seminar Series, and his mentorship roles and current committee memberships: evaluation committee, leadership committee, mentorship committee, and curriculum committee. He will devote 10% time to these areas of effort.

## **B. Positions and Honors**

### **Positions and Employment**

1976	Diplomate of the National Board of Medical Examiners
1980	Diplomate of the American Board of Internal Medicine
1982-90 & 92-93	Firm Director, Division of General Medicine, MetroHealth Medical Center, Cleveland, OH
1982-90	Assistant Professor of Medicine, Case Western Reserve University, Cleveland, OH
1984-86	Research Scholar, Keck Foundation/Health Systems Management Center, Case Western Reserve University
1985-87	Medical Director, Medical Group Practice Clinics, MetroHealth Medical Center, Cleveland, OH
1990-99	Associate Professor of Medicine
1996-00	Associate Professor of Epidemiology and Biostatistics
1998-2013	Associate Editor, Medical Decision Making
1982-2009	Staff Physician, MetroHealth Medical Center, Cleveland, OH
1999-Present	Professor of Medicine
2000-Present	Professor of Epidemiology and Biostatistics

### **Other Experience and Professional Memberships**

1982-present	Society of General Internal Medicine
1982-present	American College of Physicians
1983-present	Society for Medical Decision Making
1992	Agency for Health Care Policy and Research: Feasibility of a Central Source of Computerized Medical Records for Effectiveness Research
1992	RAND/Health Care Financing Administration: Standards for Prediction Models
1995	Centers for Disease Control and Prevention: Establishing Medically Relevant Performance Goals for the Laboratory
2001	Arthritis Research Campaign Project Grant Reviewer (United Kingdom)
2002-03	National Science Foundation Proposal Review: Decision Risk and Management Science
2006-07	Robert Wood Johnson Foundation Proposal Review: Substance Abuse Policy Research Program
2007-present	Society for Clinical and Translational Research
2006	NIMH, ZMH1 CNFQ, R-13, Small Conference Grant Review
2009	Netherlands Organisation for Scientific Research (NWO), Vidi grant review, Innovational Research Incentives Scheme
2009	Ad Hoc Reviewer, Special Emphasis Panel/Scientific Review Group 10 ZRG1 RPHB-A (58)
2011	Ad Hoc Reviewer, Special Emphasis Panel/Scientific Review Group 2011/10 MID 1 (K-24)
2011	NSF, Ad Hoc Reviewer; SES - Decision, Risk, and Management Science
2013	NIMH, Special Emphasis Panel/Scientific Review Group 2013/01 ZMH -1 ERB-I (01) S

### **Honors**

1987	First Prize Award, Blue Cross and Blue Shield of Ohio Annual Competition for Innovation in Health Care Productivity (Representing the Department of Medicine "Firms")
1991	Henry Christian Award for Excellence in Research (Clinical Epidemiology) from the American Federation for Clinical Research
1992	Henry Christian Award for Excellence in Research (Clinical Epidemiology/Healthcare Research) from the American Federation for Clinical Research
2003	Outstanding Short Course: Reducing Bias in Observational Studies (with Randall Cebul and Thomas Love). Society of Medical Decision Making
2004	Sydney and Elizabeth Licht Award for Excellence in Scientific Writing: Outcomes of Rehabilitation Services for Nursing Home Residents (with Patrick Murray, Mendel Singer, Charles Thomas, and Randall Cebul)
2005-10	Best Doctors in America
2006	Outstanding Short Course: Methods for Cluster Randomized Trials of Real-Time Decision Support, Society for Medical Decision Making (with Thomas Love and Randall Cebul)
2013	Associate Editor Emeritus, Medical Decision Making

## C. Contributions to Science

1. Studies of cognitive aspects of patient and physician decision making in medical settings.
  - a. **Dawson NV**, Arkes HR. Systematic errors in Medical Decision Making: Judgment limitations. *J Gen Intern Med* 1987;2:183-7. [PMID: 3295150](#).
  - b. **Dawson NV**, Arkes HR, Siciliano C, Blinkhorn R, Lakshmanan M, Petrelli M. Hindsight bias: An impediment to accurate probability estimation in clinicopathologic conferences. *Med Decis Making* 1988;8:259-64. [PMID: 3185178](#).
  - c. **Dawson NV**, Connors AF, Speroff T, Kemka A, Shaw P, Arkes HR. Hemodynamic assessment in the critically ill: "Is physician confidence warranted?" *Med Decis Making* 1993;13:258-66. [PMID: 8412557](#).
  - d. Arkes HR, **Dawson NV**, Connors AF, Speroff T, Harrell FE, Alzola C, Phillips RS, Goldman L, Fulkerson W, Califf R, Desbiens N, Oye RK, Knaus W and the SUPPORT Investigators. The covariance decomposition of the mean probability score and its use in evaluating prognostic estimates. *Med Decis Making* 1995;15:120-31. [PMID: 7783572](#).
2. Interdisciplinary studies of end of life care and decision making.
  - a. Knaus WA, Harrell FE, Lynn J, Goldman L, Phillips RS, Connors AF, **Dawson NV**, Fulkerson WJ, Califf RM, Desbiens N, Layde P, Oye RK, Bellamy PE, Wagner DP and the SUPPORT Investigators. The SUPPORT prognostic model: Prediction of survival for seriously ill hospitalized adults. *Ann Intern Med* 1995;122:190-202. [PMID: 7810938](#).
  - b. Tsevat J, Cook EF, Green ML, Matchar DB, **Dawson NV**, Broste SK, Wu AW, Phillips RS, Oye RK, Goldman L for the SUPPORT investigators. Health values of the seriously ill. *Ann Intern Med* 1995;122:514-20. [PMID: 7872587](#).
  - c. The SUPPORT Investigators. Impact of an intervention to improve decision making for seriously ill hospitalized patients: The Study to Understand Prognoses and Preferences for Outcomes and Risks of Treatment (SUPPORT). *JAMA* 1995;274:1591-8. [PMID: 7474243](#).
3. Interdisciplinary studies of physician judgment and technology assessment.
  - a. Speroff T, Connors A, **Dawson N**. Multivariate lens model analysis of physician judgment of hemodynamic status. *Med Decis Making* 1989;9:243-52. [PMID: 2796631](#).
  - b. Emerman CL, **Dawson N**, Speroff T, Siciliano C, Efron D, Rashad F, Shah Z, Bellon E. Comparison of physician judgment and decision aids for ordering chest radiographs for pneumonia in outpatients. *Ann Emerg Med* 1991;20:1215-9. [PMID: 1952308](#).
  - c. **Dawson NV**, Connors AF, Speroff T, Kemka A, Shaw P, Arkes HR. Hemodynamic assessment in the critically ill: "Is physician confidence warranted?" *Med Decis Making* 1993;13:258-66. [PMID: 8412557](#).
  - d. Connors AF, Speroff T, **Dawson NV**, Thomas C, Harrell FE Jr., Wagner D, Desbiens N, Goldman L, Wu AW, Califf RM, Fulkerson WJ, Vidaillet H, Broste S, Bellamy P, Lynn JD, Knaus WA. The effectiveness of right heart catheterization in the initial care of critically ill patients. *JAMA* 1996;276:889-97. [PMID: 8782638](#).
4. Interdisciplinary studies of alcohol consumption among non-abusing hepatitis C patients.
  - a. Stoller EP, Webster NJ, Blixen CE, McCormick RA, Hund AJ, Perzynski AT, Kanuch SW, Thomas CL, Kercher K, **Dawson NV**. Alcohol consumption decisions among nonabusing drinkers diagnosed with hepatitis C: An exploratory sequential mixed methods study. *J Mixed Methods Res* 2009;3:65-86. PMCID: [PMC2792926](#)
  - b. Stoller EP, Webster NJ, Blixen CE, McCormick RA, Perzynski AT, Kanuch SW, **Dawson NV**. Lay management of chronic disease: living with hepatitis C infection. *Am J Health Behav* 2009;33:376-90. PMCID: [PMC2720158](#)
  - c. Perzynski AT, McCormick R, Webster NJ, Blixen CE, Kanuch S, Thomas CL, Mullen K, **Dawson NV**. Psychosocial Correlates of Alcohol Use and Reduction for Individuals with Hepatitis C. *Journal of Studies on Alcohol and Drugs* 2011;72:787-98. PMCID: [PMC3174024](#)

## **D. Research Support**

### **Ongoing Research Support**

NIH 1RO1MH085665 Dawson (PI); Sajatovic (PD/PI) 07/01/11 – 11/31/16

Improving Outcomes for Individuals with Serious Mental Illness and Diabetes

Overall goals: A randomized trial of education (diabetes and mental illness) and peer support versus treatment as usual to improve care and outcomes of patients in a safely net system who have both diabetes and serious mental illness (schizophrenia, schizoaffective disorder, bipolar disorder, major depression)

Role: PI

KL2-RR024990 Davis (PI)

9/17/07-05/31/17

NIH

CTSA-KL2-MHMC

Overall goals: Training Program for postdoctoral Clinical Research Scholars and thereby help to transform and strengthen the nation's clinical research enterprise. The program is a partnership among Case/CCLCM of CWRU, UHoC and MHMC

Role: Director, KL2 Scholar Seminar Series; research proposal vetting; mentor; mentor oversight

### **Completed Research Support**

Connors (PI)

Saint Luke's Foundation

03/01/05 – 02/28/15

Buckeye Health Center: Ensuring Accessible HealthCare and Healthy Living

Healthy Weight and Lifestyles Intervention for Adults

Overall goals: In a primary care neighborhood practice serving largely African American adults, to test the feasibility and effectiveness of a program to perform: 1) Annual obesity and related disease screening; 2) Annual low intensity tailored lifestyle intervention 3) Develop and implement an intense lifestyle intervention that is accessible for a low-literacy population to be offered to about 75 obese patients annually.

Role: Director, Evaluation Component

2 T32 HS00059-11 Rimm (PI)

7/1/08 – 6/30/13

Agency for Healthcare Research and Quality

Training Program in Health Services Research

Role: Faculty and Research Mentor