

July 17, 2009

CURRICULUM VITAE*

Randall D. Cebul, M.D.

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CITIZENSHIP: U.S.A.

PLACE OF BIRTH: Cleveland, Ohio

EDUCATION: 1968-72 B.A. Cum laude, Denison University
1972-76 M.D., Yale University School of Medicine
1973 Summer Fellowship, Mt. Sinai School of Medicine,
Department of Community Medicine
1978-80 Wharton School, University of Pennsylvania

SPECIALTY CERTIFICATION:
1980 Board certified in Internal Medicine

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

1976-77 Intern in Medicine, Hospital of the University of Pennsylvania
1977-79 Resident in Medicine, Hospital of the University of Pennsylvania
1978-80 Clinical Scholar, Robert Wood Johnson Foundation, University of
Pennsylvania, School of Medicine
1979-80 Fellow, General Internal Medicine, Hospital of the University of
Pennsylvania

ACADEMIC AND HOSPITAL APPOINTMENTS:

1977-79 Assistant Instructor in Medicine, University of Pennsylvania School of Medicine
1980-87 Assistant Professor of Medicine, University of Pennsylvania School of Medicine
1978-87 Senior Fellow, The Leonard Davis Institute of Health Economics, University of
Pennsylvania
1985-87 Senior Scholar, Clinical Epidemiology Unit, Section of General Medicine,
University of Pennsylvania
1987-98 Associate Professor of Medicine (with tenure), Case Western Reserve University
School of Medicine

* SF *cv* includes past two years' lectures and presentations; abstracts excluded

- 1987-99 Chief, Division of General Medicine, Cleveland Metropolitan General Hospital (currently, MetroHealth Medical Center)
- 1988-93 Associate Director, Department of Medicine, Cleveland Metropolitan General Hospital
- 1993-2005 Director, Agency for Healthcare Research and Quality T32 Training Program for Health Care Professionals (MS and MD-PhD Programs), CWRU
- 1988-99 Associate Professor of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 1994- Director, Center for Health Care Research and Policy, Case Western Reserve University-MetroHealth System
- 1998- Professor of Medicine, Case Western Reserve University School of Medicine
- 1999- Professor of Epidemiology and Biostatistics, Case Western Reserve University School of Medicine
- 2000-06 Co-Director, NIH K30 Training Grant for health care professionals (M.S., Clinical Investigation), CWRU
- 2002- Associate Chair, Department of Medicine, MetroHealth Medical Center
- 2004-07 Co-Director, NIH Roadmap K12 CASE/Cleveland Clinic Multidisciplinary Clinical Research Training Program
- 2007- CWRU Clinical Translational Science Award
- Co-Director, KL2 Multidisciplinary Clinical Research Training Program
 - Director of Informatics, Practice Based Research Network core

CONSULTANT AND OTHER SCHOLARLY APPOINTMENTS:

- 1979-84 American Board of Internal Medicine: Consultant to the Staff for Test Development, Computer Based Examination Project, Philadelphia, PA
- 1980 National Board of Medical Examiners, American Board of Pediatrics, American Academy of Pediatrics, Medical Record Audit Conference, Computer Methods in Evaluating Physician Performance, February 27, 1980, Philadelphia, PA
- 1980 West Jersey Hospital Family Practice Center: Systems analysis and design of an information system for a family practice residency program, Voorhees, NJ
- 1981 American Board of Internal Medicine: Medical Secretary, 1982 Certifying Examination Committee, Philadelphia, PA
- 1981-82 Veterans Administration Regional Medical Education Center, Northport, New York, Consultant to design a modular, self-instructional, audiovisual program in clinical decision-making for VA ambulatory care physicians.
- 1984 Blue Cross/Blue Shield Medical Necessity Project. Prepared manuscript for policy statement: "Biochemical Profiles: Applications in Ambulatory Care and Preadmission Testing."
- 1984 UCLA/RAND. Health Services Utilization Study. Expert panelist for consensus conference: "Indications for Carotid Endarterectomy." May 31-June 1
- 1985 American Board of Internal Medicine: Director of a pilot project to develop an essay test of clinical judgment and decision-making skills, Philadelphia, PA
- 1987-88 American College of Physicians, Clinical Efficacy Assessment Project (CEAP); Co-author of position paper (with Jack P. Whisnant, M.D.) on Carotid Endarterectomy

- 1989-93 Agency for Health Care Policy and Research, Study Section member, Health Services Research and Developmental Grants Committee
- 1990 Agency for Health Care Policy and Research: Member of national panel to advise agency on research priorities, August 8, Rockville, MD
- 1991 Academic Medical Center Consortium and the RAND Corporation: Expert panelist for Consensus Conference, Carotid Endarterectomy, January 17, Santa Monica, CA
- 1992-99 Research Council, CWRU Pepper Older Americans Independence Center
- 1992-2005 Ohio Medical Schools' Task Force on Health Services Research
- Member, 1992-present
 - Inaugural Chair, 1992-96
- 1995-2007 Peer Review Systems/KePRO, Inc. (Ohio QIO)
- Associate Clinical Coordinator, 1995-97
 - Expert Panelist, Carotid Endarterectomy Project, 1994-97
 - Director, Cleveland Hospitals' Influenza Immunization Project, 1994-97
 - Advisory Committee, EMR Dissemination Task Force, 2005-07
- 1995-2001 Ohio Medicaid Technical Assistance and Policy Program (MEDTAPP) Advisory Committee
- Member, 1995-2001
 - Inaugural Chair, 1995-96
- 1996-98 College of American Pathologists Member, Hereditary Hemochromatosis Practice Guideline Task Force
- 1997 RAND/AHCPR. Expert Panel, Chair: "Development of an Adult Global Quality Assessment Tool for Managed Care", November 20-21, Santa Monica, CA
- 2001-06 Pfizer Scholars Program in Clinical Epidemiology
- Member, National Advisory Committee
 - Chair, 2005-06
- 2004- Health Policy Institute of Ohio
- Health Information Technology Steering Committee
 - Research Advisory Committee

AWARDS, HONORS AND MEMBERSHIP IN HONORARY SOCIETIES:

- 1971 Hugh Galt Research Award (Chemistry)
- 1971 National Science Foundation Summer Fellowship
- 1971 Omicron Delta Kappa (men's leadership honorary)
- 1972 Phi Beta Kappa
- 1972 Sigma Xi
- 1975 American Cancer Society Fellowship
- 1976 Upjohn Achievement Award (Yale University School of Medicine)
- 1983-88 Henry J. Kaiser Family Foundation Faculty Scholar in General Medicine
- 2009 Mt. Sinai Health Care Foundation's Maurice Saltzman Award

VISITING PROFESSORSHIPS/NAMED LECTURES:

- 1985 Department of Medicine, UMDNJ-Rutgers Medical School, New Brunswick, NJ, September 25-26
- 1985 Section of General Medicine, Department of Medicine, University of Rochester School of Medicine, Rochester, NY, December 6-7
- 1988 Departments of Medicine and Family Practice, Bowman Gray School of Medicine, Winston Salem, NC, June 13-15
- 1989 The Marion A. Blankenhorn Lecture, Cincinnati Society of Internal Medicine, Cincinnati, OH, October 2
- 1989 Division of Area Medicine, Department of Medicine, Mayo Medical School, Rochester, MN, October 30-31
- 1997 Department of Medicine, Southern Illinois University School of Medicine, Springfield, IL, April 7-8
- 1999 The Center for HOPES, Ohio State University School of Medicine, Columbus, Ohio, October 12

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS:

- 1979- Society for Medical Decision Making
- Program Chair, Third Annual Meeting, 1981
 - Nominating Committee, 1983, 1994, 1995, 1996
 - Trustee, 1985-1987
 - Secretary-Treasurer , 1989-1991
 - Executive Committee, 1989-91, 1993-95
 - President, 1994-95
 - Awards Committee, 1996-2004
 - Director of Short Course: "Reducing Bias in Observational Studies: Propensity Methods" – 2001-2003 (Awarded Prize for Best Short Course), 2004, 2006
 - Symposium Chair: "Propensity Methods in Observational Studies" (with Sharon-Lise Normand, Ph.D.), 2003 Annual Meeting
 - Symposium Chair: "Real-Time Decision Support in the EMR Era" (with Carol Cain, Ph.D., Mary Goldstein, M.D., and Blackford Middleton, M.D.), 2006 Annual Meeting
 - Mentor, 2003-
- 1980- Society of General Internal Medicine
- Member, Task Force on Clinical Competence, 1981-84
 - Member, Technology Assessment Committee, 1981-86
 - Chair, Health Services Research Abstracts, National Meeting, 1994
 - Chair, Abstract Selection Committee, National Meeting, 1996
 - Expert reviewer for SGIM of Agency for Health Care Policy and Research: Guidelines for Post-Stroke Rehabilitation , 1994
 - Chair, Decision/Cost-effectiveness Analysis Abstracts, National Meeting, 1998
 - Chair, Teacher/Learner Abstracts, National Meeting, 1999

- 1984-2000
 - Chair, Quality of Care Abstracts, National Meeting, 2006

American Federation for Clinical Research

 - Eastern Section Co-Chairman for Clinical Epidemiology, 1984
- 1985-2001 American Geriatrics Society
- 1985-1987 Rockefeller Foundation International Clinical Epidemiology Network (INCLLEN)
 - Member, Health Economics Subcommittee
- 1988- Association for Health Services Research/Academy Health
 - Program Committee, AHSR/NRSA Trainee Research Conference, 1995, 1996
 - Ohio Health Services Research Advisory Panel, 2003 (sponsored by AcademyHealth and AHRQ)

GRANT REVIEWS:

- 1981 Arthritis Foundation, Eastern Pennsylvania Chapter, *ad hoc* Study Section
- 1983 National Library of Medicine, *ad hoc* Study Section, April 21
- 1987 National Library of Medicine, Special Review Committee, Medical Informatics Training Grants
- 1988 Robert Wood Johnson Foundation, Special Review Committee
- 1989 National Center for Health Services Research and Health Care Technology Assessment, Special Review Committee for POARP Grant Proposals, May 23-24
- 1989-93 Agency for Health Care Policy and Research, Health Services Research and Developmental Grants Committee
- 1989 Agency for Health Care Policy and Research, Site visits for Patient Outcome Research Team (PORT) Grants, Boston, MA (Harvard Medical School) and Bethesda, MD (Dartmouth Medical School), August and October
- 1991 Commonwealth Fund, Site Visit of Special Grant to Academic Medical Center Consortium, New York, NY, October 31
- 1992 Agency for Health Care Policy and Research, Chairman of Site Visit Team for PORT Grant Application, Boston, MA, May 18
- 1992 Hartford Foundation, Site Visit of Special Grant to Technology Assessment Consortium, Hanover, NH, July 22-23
- 1996-2000-06 Ohio Medicaid Technical Assistance and Policy Program Grants, Columbus, OH
- 2000-06 Pfizer Scholars Program in Clinical Epidemiology; Chair, 2005, 2006
- 2004- Roadmap K12/CTSA KL2 Multidisciplinary Clinical Research Training Program applicant reviews and member of Steering Committee
- 2005 NIH, *Ad Hoc* Reviews, Surgery, Anesthesiology and Trauma Study Section
- 2006 AHRQ Health Research Dissemination & Implementation (HRDI) Study Section, June 16, Rockville, MD.
- 2007 AHRQ Special Emphasis Panel; Ambulatory Safety and Quality through Health IT, July 10-12, Rockville, MD
- 2008 AHRQ SEP RFA 08-002; Improving Management of Individuals with Complex Health Care Needs through Health IT, June 18-20, Rockville, MD

REVIEW AND EDITORIAL POSITIONS:

- 1982- Medical Decision Making

1982	<u>Medical Decision Making</u> , Guest Editor
1985-87	<u>Medical Decision Making</u> , Editorial Board
1985-89	<u>Emergency Decisions</u> , Editorial Board
1988	<u>Medical Decision Making</u> , Editor of Special Issue
1999-2003	<u>Medical Decision Making</u> , Editorial Board
1982-	<u>Annals of Internal Medicine</u>
1984-	<u>Journal of Clinical Epidemiology</u>
1984-	<u>Journal of the American Medical Association</u>
1984-	<u>Journal of General Internal Medicine</u>
1984-	<u>Archives of Internal Medicine</u>
1986-90	<u>Annals of Neurology</u>
1991	<u>Medical Care supplement</u> : “Research on the Delivery of Medical Care Using Hospital Firms,” Guest Editor, with Duncan Neuhauser
1995-	<u>Health Services Research</u>
1995-	<u>American Journal of Medicine</u>
2001-	<u>New England Journal of Medicine</u>
2003-	<u>Medical Care</u>
2006-	<u>Medical Decision Making</u> , editor of special section: “Real-Time Decision Support to Improve Quality of Care”

COMMUNITY SERVICE:

1991-	Board of Trustees. MetroHealth Foundation. <ul style="list-style-type: none">• Grant Review Committee, Chair, 1994-2003• Chester Summer Scholar Committee, 1991-2002 Vice Chair, 1998-2002• Executive Committee, 1994-2002• Campaign Cabinet, 2004
1990-99	Greater Cleveland Health Quality Choice Project. <ul style="list-style-type: none">• Member, Medical Advisory Committee, 1990-99• Research Advisory Committee, 1997-99.
1993-94	Ohio Medicaid Reform Subcommittee, Ohio Health Care Board
1995-2001	Medicaid Technical Assistance and Policy Program (MEDTAPP), Ohio Department of Human Services and Ohio Board of Regents <ul style="list-style-type: none">• Inaugural Chairman, 1995-96
1995-96	Ohio Medicaid Medical Advisory Committee. <ul style="list-style-type: none">• Executive Committee Member• Co-Chair, Subcommittee on Health Care Information
1996-97	Ohio Advisory Committee, Accessing Better Care Program of managed care for disabled persons on Medicaid.
1997-2003	Deaconess Community Foundation; Member, Board of Delegates
1997-2001	Center for Health Affairs (formerly, the Greater Cleveland Hospital Association) <ul style="list-style-type: none">• Member, Executive Advisory Committee• Vice Chair, Community Health Council
1997-98	USAID-AIHA Healthy Communities Partnership, Cleveland and Turcianske Teplice, Martin, and Banska-Bastrice, Slovakia

- Member, Advisory Committee
- Participant in Summer Retreat, Martin, July, 1998
- 1997-99 Cleveland Community Health Assessment Project, Advisory Committee; Greater Cleveland Hospital Association, Federation for Community Planning, CWRU-MHS Institute for Public Health Sciences
- 1999-2000 Governor's Appointee, Ohio Medicaid Managed Care Study Committee
- 2000- United Way Services of Northeast Ohio
 - Vision Council: Health and Caring for All, 2001-
 - Steering Committee, 2003-
 - Co-Chair, Health Disparities Task Force for Clinical Data Sharing, 2005-07
 - Chair, Lead Agency Oversight Committee for Comprehensive Clinical Data Sharing Network, 2008-
- 2004- Health Policy Institute of Ohio
 - Ohio Health Information Technology Planning Committee, 2004
 - Steering Committee, HIT Task Force, 2006
 - Research Advisory Committee, 2006-
- 2005-07 Physician Office Action Council, Advisory Committee, Ohio KePRO
- 2007- Board of Directors, Care Alliance (Federally Qualified Health Center)
- 2007- Director, Better Health *Greater Cleveland*

GRADUATE STUDENT MENTORING (CWRU):

Department of Epidemiology and Biostatistics:

Elizabeth N. Patterson, M.D., Academic and Thesis Advisor

“Organizational Factors Associated with Better Influenza Immunization Practices Among Hospitals in Northeast Ohio”. Awarded M.S. Degree, Summer, 1997

Patrick K. Murray, M.D., Academic and Thesis Advisor

“Changes in Acuity of Admissions to Ohio’s Nursing Homes Since the Implementation of the MDS+ Reimbursement System”. Awarded M.S. Degree, Spring, 1997

David A. Gross, Thesis Committee Member

“Factors Predicting Patients’ Satisfaction with the Length of Visits with Their Physicians”. Awarded M.S. Degree, Spring, 1997

Linda A. Headrick, M.D., Academic and Thesis Committee Member

“Core Competencies of Primary Care Physicians Needed to Continually Improve Health Care”. Awarded M.S. Degree, Summer, 1997

Zheung Yuan, M.D., Dissertation Committee Member

“Correlates of Hospital Types with Outcomes, 1984-1994”. Awarded Ph.D. Degree, Fall, 1998

Lorna K. Nshuti, M.B. Ch.B., Thesis Committee Member

“The role of private providers in the care of patients with tuberculosis in Uganda”.
Awarded M.S. Degree, Spring, 1999

John F. O’Connor, M.D., Academic Advisor and Thesis Committee Member
“Cost-effectiveness of alternative strategies in the management of achalasia”.
Awarded M.S. Degree, Summer, 1998

Mamta Singh, M.D., Academic Advisor and Thesis Committee Member
“A Firm System trial of alternative approaches to improve the procedural skills of internal medicine residents”. Awarded M.S. Degree, Spring, 2000

Scott Grey, Thesis Committee Member
“Costs and benefits of vaccinating home health care patients against influenza”.
Expected completion of Ph.D., Fall, 2006

Kimberly Applegate, M.D., Academic and Thesis Advisor
“Utilization and cost of imaging children with acute abdominal pain: A comparison of capital versus fee-for-service plans”. (Awarded “Best Student” Prize)
Awarded M.S. Degree, Spring, 2001

Rita Cydulka, M.D., Thesis Committee Member
“Gender differences in exacerbations of COPD” (Awarded “Best Student” Prize)
Awarded M.S. Degree, Spring, 2001

James Merlino, M.D., Academic Advisor and Research Mentor, 1999-2001
“Outcomes of coronary bypass surgery in Greater Cleveland”.

Irene L. Katzan, M.D., Academic and Thesis Advisor
“The effect of pneumonia on 30-day mortality in patients hospitalized for acute stroke”.
Awarded M.S., Degree, Spring, 2001; Candidate for Ph.D., expected Spring, 2009

John Duldner, M.D., Thesis Committee Member
“Trends in process and outcomes for subarachnoid hemorrhage”.
Awarded M.S. Degree, Spring, 2002

David G. Litaker, M.D., M.S., Academic Advisor and Dissertation Committee Member
“Managed care penetration and access to care in Ohio”.
Awarded Ph.D. Degree, Fall, 2002

Carol Rosen, M.D., Academic Co-Mentor and Thesis Committee Member for K23 Award
“Diagnostic tests in pediatric sleep apnea”.
Completed, Spring, 2006

Matthew Karafa, Dissertation Committee Member
“Comparison of approaches for evaluating the discriminating value of continuous tests”.
Awarded Ph.D. Degree, Spring, 2003

Thomas Stern, M.D., Academic Advisor and Thesis Committee Member

“Decision support for asthma”.

Awarded M.S. Degree, Spring, 2008

Alexander Tsai, MA, Dissertation Committee Member (MD-PhD Program)

"Volume, Cost, and Quality of Care for Congestive Heart Failure".

Awarded Ph.D. Degree, Spring, 2005

Constance Liu, Research Advisor (MD-PhD Program)

“Fragmentation and Outcomes in Health Care”.

Expected completion of Ph.D, Spring, 2008

Clinical Research Scholars Program (K12/KL2: M.S., Clinical Research)

Tina C. Rodrigue, M.D., Academic Advisor and Research Mentor

“Outcomes of intracranial hemorrhage”.

Awarded M.S. Degree, Spring, 2003

Robert J. Fox, M.D., Thesis Committee Member

"The short-term effects of intravenous methylprednisolone on brain MRI measures in multiple sclerosis".

Awarded M.S. Degree, Spring, 2003

Myla D. Goldman, M.D., Academic Advisor

“Motor Fatigue in Multiple Sclerosis”.

Awarded M.S. Degree, Spring, 2006

Gwendolyn F. Lynch, M.D., Academic Advisor

“Outcomes of Acute Stroke with Hyperglycemia”.

Layla Hajjafar, M.D., Academic Advisor

“Cost-effectiveness analysis of treatments for intractable ascites”.

Awarded M.S. Degree, Spring, 2008

Jeffrey Claridge, M.D., Research Advisor (Roadmap K12 Program)

“Long-term outcomes after traumatic injury”.

Awarded M.S. Degree, Spring, 2008

Ruth Farrell, M.D., M.S., Research Advisor, KL2 Program: 2007-
“Patient Decision Making in Pre-Natal Genetic Testing”.

Kenneth Cummings III, M.D. CRSP Mentor, 2009-
“Perioperative anesthetic and analgesic techniques that improve postoperative surgical outcomes”.

Shari Bolen, M.D., M.P.H., Research Advisor, KL2 Program: 2009-

CASE WESTERN RESERVE UNIVERSITY AND SCHOOL OF MEDICINE, SERVICE:

- 1988-96 Faculty Council, School of Medicine
Faculty Council on Graduate Medical Education
- Member, 1988-91
 - Steering Committee, 1989-91
- 1990-91 Chairman, Task Force on Fundamentals of Medical Decision Making, Curriculum Reform Effort, School of Medicine
- 1990-91 Search Committee for Chair, Department of Epidemiology and Biostatistics, SOM
- 1991-94 Executive Committee, Core Physician Development Program, SOM
- 1992-2000 Chairman, *ad hoc* Committee to Coordinate Health Care and Outcomes Research with the Henry Ford Health System, SOM
- 1993-95 Oversight Committee, Robert Wood Johnson Foundation Generalist Program, SOM
- 1992- Ohio Medical Schools’ Council of Deans Task Force on Health Services Research
- School of Medicine Representative, 1992-present
 - Inaugural Statewide Chair, 1992-96
- 1997- Advisory Committee, Center for (now, Department of) Biomedical Ethics
- 1998-2001 Executive Advisory Committee, Health Systems Management Center of the Schools of Medicine and Management
- 1999-2001 Advisory Committee, General Clinical Research Center
- 1988- Undergraduate Medical Education and Leadership, SOM
- Fundamentals of Medical Decision Making
- Committee Co-Chair, 1988-93, Director, 1993-94
 - Annual Lectures:
“Overview of Medical Decision Making”, “Diagnostic Testing: Sensitivity, Specificity, and Predictive Value”, “Understanding 2x2 Tables for Diagnostic Data”, “Screening, Non-Binary Tests, and Tests in Combination”, “Likelihood Ratios”, “Decision Analysis and Cost-Effectiveness Analysis”
- Core Physician Development Program, 1993-2001
- Advisory Committee, 1993-95
- 2000- Clinical Research Scholars Program (M.S., Clinical Research)

- Co-Director and Mentor, 2000-07
 - Director, 2007-
 - Annual Lectures in CRSP 401: Diagnostic Testing I-III and Review Sessions; Decision Analysis and Cost-effectiveness Analysis; Cluster Randomized Trials
- 2003-06 University Senate, Elected School of Medicine Representative
- Research Committee, 2004-
 - School of Medicine Research Committee, *ex-officio* Member
- 2003-06 School of Dentistry
- Advisory Committee, Institutional Strategic Planning Committee
- 2004- Case-Cleveland Clinic Multidisciplinary Clinical Research Training Program
- Co-Director for Curriculum; Multidisciplinary Advisory Committee (MAC); CR Scholar Research and MAC Mentor
 - Course Director (2005), CRSP 408: From Bench to Bedside, Beyond and Back
- 2005- CASE Comprehensive Cancer Center, Member, Internal Advisory Committee
- 2005-06 Member, Case Diabetes Research Center Planning Committee

DEPARTMENT OF MEDICINE, METROHEALTH MEDICAL CENTER, SERVICE:

- 1988-93 Associate Director
- 1988- Executive Committee
- 1988-91 Clinical Practices Governance Committee
- 1987-91 Quality Assurance Committee
- 1987-91 Residency Review Committee
- 1987-96 Internship Selection Committee
- 1987-99 Division Chief, General Internal Medicine
- 1987-90 Firm Director
- 1988-91 Director, Division of General Medicine Clinical Practices Coordinating Committee
- 1987- Attending Physician, Residents' Group Practices, two sessions weekly
- 1987-99 Practicing General Internist, one-two sessions weekly
- 1987-99 Attending Physician, in-patient General Medicine Services, two months yearly
- 1989- Editor or Co-Editor, "Guidelines for Preventive Services of the Department of Medicine," 1989, 1991, 1994, 1997
- 1992-97 Co-Director, CWRU General Medicine Fellowship
- 2002- Associate Chairman
- Co-Chair, Faculty Development Task Force, 2003-05
 - Member, Chair's Advisory Committee
 - Member, Division Directors' Committee
- 2003- Physician Scientist Pathway
- Member, Advisory Committee

DEPARTMENT OF EPIDEMIOLOGY AND BIostatISTICS, SERVICE:

- 1993-2001 Committee on Appointments, Promotion, and Tenure
1993-2005 Director, MD-PhD Program and Post-doctoral (MS) Program in Health Services Research (AHRQ T32), 1998-2005
1993-2001 Member, Health Services Research Graduate Committee
1993 Course Director: "Issues in Health Care Policy", EPBI440
1994 Independent Study Advisor for Course: "Quality of Life Measurement", Elizabeth N. Patterson, M.D.
1999- Invited Lecturer, EPBI515: Research Using Large Health Care Databases, "Promise and Perils of Research on Treatment Effectiveness Using Large Administrative Datasets", 3/13/97; "Using Large Databases to Conduct Community Health Assessment"
2004 Invited Speaker, Health Services Research Symposium - Measuring and Improving the Quality of Health Care Services: "Challenges to Quality and Quality Measurement," March 31, 2004

METROHEALTH MEDICAL CENTER, SERVICE:

- 1987-89 Clinical Laboratory Liaison Committee
1989-90 Search Committee for Director, Department of Otolaryngology
1990-92 Search Committee for Director, Geriatrics
1993-94 Search Committee for Vice President for Research
1993-94 Managed Care Committee
1993 Task Force to Form a Physician Hospital Organization
1994-98 "Accessing Better Care" Program of Managed Care for the Medicaid Disabled
 - Member, Steering Committee, 1994-98
 - Medical Co-Director, 1996-981991- Board of Trustees. MetroHealth Foundation.
 - Grant Review Committee, Chair, 1994-
 - Chester Summer Scholar Committee, 1991-2002
Vice Chair, 1998-2002
 - Executive Committee, 1994-2002
 - Campaign Cabinet, 20042001-04 Appointments, Promotion, and Tenure Committee
2006- MetroHealth Research Institute, Advisory Committee

ORIGINAL ARTICLES IN PEER-REVIEWED JOURNALS (Most recent first; trainee co-authors Underlined):

Cebul RD, Rebitzer JB, Taylor LJ, Votruba ME. Unhealthy insurance markets: search frictions and the cost and quality of health insurance. NBER Working Paper Series. Working paper 14455. <http://www.nber.org/papers/w14455>. October, 2008. *Amer Economic Review* (revised, under review).

Cebul RD, Rebitzer JB, Taylor LJ, Votruba ME. Organizational fragmentation and care quality in the U.S. health care system. *J. Econ Perspectives*. 2008; 22(4): 93-113. Also in NBER

Working Paper Series. Working Paper 14212. <http://www.nber.org/papers/w14212>. August, 2008.

Love TE, **Cebul RD**, Einstadter D, *et.al*. Electronic medical record-assisted design of a cluster randomized trial to improve diabetes care and outcomes. *J Gen Intern Med*. 2008; 23(4): 383-91.

Cebul RD. Using electronic medical records to measure and improve performance. *TransAm Clin Climat Assoc*. 2008; 119:65-76.

Katzan IL, Dawson NV, Thomas CL, Votruba ME, **Cebul RD**. The cost of pneumonia after acute stroke. *Neurology* 2007;68(22):1938-1943.

Votruba ME, **Cebul RD**. Redirecting patients to improve stroke outcomes: implications of a volume-based approach in one urban market. *Med Care*. 2006; 44(12):1129-1136.

Tsai A, Votruba M, Bridges J, **Cebul RD**. Overcoming bias in estimating the volume-outcome relationship. *Health Services Research*. 2006 Feb; 41(1):252-64.

Murray PK, Dawson NV, Thomas CL, **Cebul RD**. Are we selecting the right patients for stroke rehabilitation in nursing homes. *Arch Phys Med Rehab*; 2005; 86(5):876-880.

Murray PK, Love TE, Dawson NV, Thomas CL, **Cebul RD**. Rehabilitation services following the implementation of the nursing home prospective payment system: Differences related to patient and nursing home characteristics. *Med Care* 2005 Nov; 43(11):1109-15.

Litaker D, **Cebul RD**, Masters S, Nosek T, Haynie R, Smith CK. Disease prevention and health promotion in medical education: reflections from an academic health center. *Acad Med* 2004;79(7):690-697.

Baker DW, Einstadter D, Husak S, **Cebul RD**. Trends in post-discharge mortality and readmissions: has length of stay declined too far? *Arch Int Med* 2004;164:538-44.

Litaker D, **Cebul RD**. Managed Care Penetration, Insurance Status and Access to Health Care. *Med Care* 2003;41(9):1086-1095.

Murray PK, Singer M, Dawson NV, Thomas CL, **Cebul RD**. Outcomes of rehabilitation services in nursing home residents. *Arch Phys Med Rehab* 2003;84:1129-36.

Winner of Sydney Licht, MD Award for Article of the Year, American Congress of Rehabilitation Medicine.

Baker DW, Einstadter D, Thomas C, **Cebul RD**. Mortality trends for 23,505 Medicare patients hospitalized with heart failure in Northeast Ohio, 1991 to 1997. *Am Heart J* 2003; 146(2):258-264.

Baker DW, Einstadter D, Husak S, **Cebul RD**. Changes in the use of do-not resuscitate orders after implementation of the Patient Self-determination Act. *J Gen Intern Med* 2003;18(5):343-

349

Baker DW, Einstadter D, Thomas C, Husak S, Gordon NH, **Cebul RD**. The effect of publicly reporting hospital performance on market share and risk-adjusted mortality at high-mortality hospitals. *Med Care* 2003; 41(6):729-740.

Katzan IL, **Cebul RD**, Husak SH, Dawson NV, Baker DW, The effect of pneumonia on mortality among patients hospitalized for acute stroke. *Neurology* 2003; 60 (4): 620-625

Baker DW, Einstadter D, Thomas CL, Husak SS, Gordon NH, **Cebul RD**. Mortality trends during a program that publicly reported hospital performance. *Med Care* 2002; 40: 879-890

Sehgal AR, Leon JB, Siminoff LA, Singer ME, Bunosky LM, **Cebul RD**. Improving the quality of hemodialysis treatment: a community-based randomized controlled trial to overcome patient-specific barriers. *JAMA* 2002; 287: 1961-1967

Cebul RD, Solti I, Gordon NH, Singer ME, Payne SMC, Gharrity KA. Managed care for the Medicaid disabled: Effect on utilization and costs. *J Urban Health* 2000;77:603-623

Payne SMC, **Cebul RD**, Singer ME, et al. Comparison of risk-adjustment systems for the Medicaid-eligible disabled population. *Med Care* 2000;38:422-432

Yuan Z, Cooper ZS, Einstadter D, **Cebul RD**, Rimm AA. The association between hospital type and mortality and length of stay: A study of 16.9 million hospitalized Medicare beneficiaries. *Med Care* 2000;88:231-245

Murray PK, Singer ME, Fortinsky R, Russo L, **Cebul RD**. Rapid growth of rehabilitation services in traditional, community-based nursing homes. *Arch Phys Med Rehab* 1999; 80: 372-378

Gross DA, Zyzanski SJ, Borawski EA, **Cebul RD**, Stange KC. Patient satisfaction with time spent with their physician. *J Fam Pract* 1998; 47: 133-137

Cebul RD, Snow R, Pine R, Norris D, Hertzner N. Carotid endarterectomy: indications, volume, and outcomes. *JAMA* 1998; 279: 861-865

Sehgal AR, Snow RJ, Singer ME, Amini SB, DeOreo PB, Silver MR, **Cebul RD**. Barriers to adequate delivery of hemodialysis. *Am J Kid Dis* 1998; 31: 1-10

Yuan Z, Bowlin S, Einstadter D, **Cebul R**, Connors A, Rimm A. Atrial Fibrillation as a risk factor for embolic and non-embolic stroke: A population-based study in the elderly. *Am J Pub Health* 1998; 88:395-400

Antani MR, Beyth RJ, Covinsky KE, Anderson PA, Miller DA, **Cebul RD**, et al. Failure to prescribe warfarin to patients with nonrheumatic atrial fibrillation. *J Gen Intern Med* 1996 11:725-731

Einstadter D, **Cebul RD**, Franta PR. Effect of a nurse case manager on post-discharge follow up. *J Gen Intern Med* 1996;11:684-688

Golzari H, **Cebul RD**, Bahler RC. Atrial fibrillation: restoration and maintenance of sinus rhythm in and indications for anticoagulation therapy. *Ann Intern Med* 1996;125:311-323

Imperiale TF, **Cebul RD**, Speroff T, McCullough AJ. A cost comparison of alternative treatments for duodenal ulcer in the H. pylori era. *Ann Intern Med* 1995;123:665-672

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Henry J. Kaiser Family Foundation, Faculty Scholar in General Internal Medicine, 7/1/83-6/30/88, Career Development Award, \$250,000

National Institutes of Health-National Library of Medicine, RO1-LM0432, Feedback to Improve Diagnostic Judgments, 9/1/85 - 8/30/88, Principal Investigator, \$296,000

American Board of Internal Medicine, An Essay Test of Clinical Judgment and Decision - Making Skills, 7/1/87-6/30/89, Principal Investigator, \$175,773

Cleveland Foundation, Improving the Efficiency of Diagnostic Testing, 1/1/88-6/30/89, Principal Investigator, \$81,970

Ohio Board of Regents, CWRU Research Initiation Grant, Preparing to Validate CATS, 12/1/89-6/1/90, Co-Principal Investigator (with Michael J. McFarlane, M.D.), \$5,000

National Institutes of Health, Fogarty International Center: Epidemiology, clinical, and Laboratory Training in the United States and Uganda, International Training Grant in Epidemiology Related to AIDS, 10/1/88-9/30/91, Co-Program Director (with Harold Houser, M.D), \$2,090,000

Agency for Health Care Policy and Research, RO1-HS06418, Implementing Practice Guidelines: A Randomized Controlled Trial of a Computerized Admission Testing system, 4/1/91-3/31/93, Principal Investigator, \$232,817

Robert Wood Johnson Foundation, A Randomized Controlled comparison of CQI and Peer Review QA to Improve Preventive Services Delivery in Three Ambulatory Settings, 4/1/92-11/30/93, Principal Investigator, \$428,116

Agency for Health Care Policy and Research, HS00059, Training Program in Health Services Research, 12/1/93-11/30/03, Co-Program Director (with Alfred A. Rimm, Ph.D.), \$650,000

Peer Review Systems, Inc (contract), Cleveland Hospitals' Influenza Immunization Project, 10/1/95, Principal Investigator

National Institutes of Health-NIDDK, RO1-DK51472, Barriers to Effective Care of Hemodialysis Patients, 1/1/96-8/30/98, Co-Principal Investigator (with Ashwini Sehgal, M.D.), \$271,143

Ohio Department of Human Services-Ohio Board of Regents, Managed Care for the Medicaid Disabled: Baseline Evaluation and Early Results, 10/28/96-12/31/98, Principal Investigator, \$257,000

National Institutes of Health-NIAAA, RO1-AA10847, Alcohol Screening and Management: A Controlled Trial, 1/1/98-12/31/01, Co-Principal Investigator (with Neal V. Dawson, M.D.), \$1,340,782

National Institutes of Health-NIDDK, RO1-DK51472, Overcoming Barriers to Effective Hemodialysis, 7/1/98-12/31/01, Co-Principal Investigator (with Ashwini Sehgal, M.D.), \$652,000.

Agency for Health Care Policy and Research, HS00059 , Training Program in Health Services Research, 7/1/98-6/30/03, Co-Program Director (with Alfred A. Rimm, Ph.D.), \$1,401,533.

Agency for Healthcare Research and Quality-AHRQ, RO1-HS09969, Declining Hospital Mortality in Cleveland: Is it Real? 9/1/00-8/31/02, Co-Principal Investigator (with David W. Baker, M.D.), \$432,954

Ohio Department of Health, Analysis of Racial Differences in Health Care Access, Quality and Satisfaction in Ohio, 4/23/01-6/30/01, Co-Principal Investigator (with Joseph Sudano, Ph.D.) \$26,323

Ohio Department of Health, Analysis of Racial Differences in Health Care Utilization in Ohio, 4/23/01-6/30/01, Co-Principal Investigator (with Joseph Sudano, Ph.D.) \$22,500

Agency for Healthcare Research and Quality, T32 HS00059, Training Program in Health Services Research, 7/1/03 – 6/30/08, Co-Principal Investigator and Director of MS and MD-PhD Program (with Alfred A. Rimm, Ph.D.), \$810,621.

Agency for Healthcare Research and Quality, R01-HS15123, Trial of Decision Support to Improve Diabetes Outcomes, 10/1/04-9/30/07, Principal Investigator, \$1,499,645.

National Institutes of Health, NIH-K12, CASE/Cleveland Clinic Clinical Research Training Program, 10/1/04-9/30/07, Co-Principal Investigator (with Richard Rudick, MD, and Pedro Delgado, MD), \$15,206,574.

National Institutes of Health, KRR0244990A1 Clinical and Translational Science Award (CTSA), 09/17/07-05/31/09, Davis (PI); Co-Director, mentor, and member of Multidisciplinary

Advisory Committee, KL2 multidisciplinary clinical research training program; Director, informatics, Practice Based Research Network core. \$64,000,000.

Case Western Reserve University Presidential Research Initiative (to foster cross-school research partnerships): Impediments to Improving Health Care Quality: The Role of Insurance Turnover Rates Co-Principal Investigator (with Mark E. Votruba, PhD, MPP, and James R. Rebitzer, PhD), 7/01/05-6/30/08, \$120,000.

Robert Wood Johnson Foundation, Aligning Forces for Quality (AF4Q) -The Northeast Ohio Collaborative; 2/01/07-4/30/08; Principal Investigator, \$600,000

Robert Wood Johnson Foundation, Aligning Forces for Quality (AF4Q) -The Northeast Ohio Collaborative; Technical assistance mini-grant, 3/01/08-12/31/08; Principal Investigator, \$25,000

Robert Wood Johnson Foundation, Aligning Forces for Quality (AF4Q) -The Northeast Ohio Collaborative; Communications mini-grant, 5/15/08-5/14/09; Principal Investigator, \$50,000

Mt Sinai Health Care Foundation, Activating Greater Cleveland's Diabetic Patients: Focus on Disadvantaged Populations, 06/08/07 - 06/08/09, Principal Investigator, \$54,000

Ohio Board of Regents, Medicaid Technical Assistance and Policy Program, Safety net consortium to improve diabetes care and outcomes, 7/01/08-6/30/10, Principal Investigator, \$250,000.

Robert Wood Johnson Foundation, Regional Quality Strategy, 5/01/08-4/30/11, Principal Investigator, \$1,000,000

PRESENTATIONS (2007-2009):

Fourth National Health Information Technology Summit. "Electronic Medical Records to Measure and Improve Quality of Care: Happening Now." Washington, D.C., March 30, 2007.

MetroHealth Diversity Advisory Council. "Using Epic to Identify and Eliminate Disparities in Health Care." Cleveland, May 18, 2007.

Aligning Forces for Quality National Meeting. "Performance Measurement and Public Reporting to Improve Quality of Care." Seattle, WA, June 28, 2007.

Agency for Healthcare Research and Quality, national Health IT Meeting. "Using EMRs to Measure and Improve Quality of Care." Washington, D.C., September 27, 2007.

American Clinical and Climatological Association, annual meeting. "Electronic Medical Records to Measure, Report, and Improve Quality of Care." Tucson, AZ, October 19, 2007.

Society for Medical Decision Making, annual meeting. Course Director and Lecturer, "Cluster Randomized Trials of Clinical Decision Support". Pittsburgh, PA, October 20, 2007.

American Board of Internal Medicine. “Using EMRs to Measure and Improve Performance: Opportunities for Maintenance of Certification.” Philadelphia, PA. January 16, 2008.

American Statistical Association, Health Policy Division. “Principles of Using Cluster Randomized Trials of Clinical Decision Support”. Philadelphia, PA, January 17, 2008.

Ohio Health Action Council Annual Kick-off Meeting. Improving Health Care: Overview of Northeast Ohio’s Aligning Forces for Quality initiative.” Cleveland, OH, February 28, 2008.

Aligning Forces for Quality National Meeting. “Linking Public Reporting to Quality Improvement and Patient Activation: the Greater Cleveland Collaborative.” Amelia Island, FL., May 14, 2008.

Epic Corporation’s Research Advisory Council. “Using EMRs to Measure and Improve Diabetes Care for All Patients: the Insurance Effect on Poor Glycemic Control.” Verona, WI, June 12, 2008.

Medical Grand Rounds, MetroHealth Department of Medicine. “Update on Diabetes Care and Outcomes in Greater Cleveland: How are We Doing?”. Cleveland. September 25, 2008.

Health Policy Institute of Ohio, Annual Ohio Health IT Summit. “Using Health IT to Measure and Improve Health Care Quality for all Patients: Better Health, *Greater Cleveland*.” Columbus, OH, October 27, 2008.

National Bureau of Economic Research, Fall Meeting on Healthcare. “Unhealthy insurance markets: search frictions and the cost and quality of health insurance.” With James Rebitzer (presenter), Lowell Taylor, and Mark Votruba. Cambridge, MA. November 11, 2008.

Ohio State Quality Improvement Institute. “Better Health Greater Cleveland: Using Electronic Medical Records to Catalyze Improvements in Care for People with Chronic Conditions.” Columbus, OH, November 18, 2008.

Center for Health Care Strategies’ National Quality Improvement Initiative. “Using Data to Improve Performance and Eliminate Disparities.” Washington, DC, December 3, 2008.

Aligning Forces for Quality National Meeting. “Data-driven Strategies to Motivate and Sustain Regional Quality Improvement”. Washington, DC, December 4, 2008.

Board of Directors, Academy of Medicine of Northern Ohio. “Better Health, *Greater Cleveland Update*.” Independence, OH, January 20, 2009.

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Medical Grand Rounds, Lakewood Hospital. “Measuring and Improving Care and Outcomes in Diabetes: Greater Cleveland Under the National Quality Microscope.” Cleveland, OH, January 28, 2009.

MetroHealth Foundation Board of Directors. “Better Health, *Greater* Cleveland: Good News and Challenges.” Cleveland, OH, February 24, 2009.

The Center for Community Solutions 67th Annual Human Services Institute. “Improving Chronic Care: An Integrated and Collaborative Approach to Better Health.” Cleveland, OH, March 13, 2009.

National Quality Forum, Annual Spring Implementation Conference, Panel Presentation: “Reducing Overuse in Communities.” Cleveland, OH, March 27, 2009.

Cleveland Association of Business Economics. “Diabetes in Greater Cleveland: Measurement Matters and Root Causes.” Cleveland, OH, April 13, 2009.