

## CURRICULUM VITAE

**PART I: General Information**

**Date Prepared:** August 24, 2009

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**Place of Birth:** USA

**Education:**

1979-84 B.S., Biology, *summa cum laude*  
Yale University, New Haven, CT

1984-89 M.D., *cum laude*  
Harvard Medical School, Boston, MA

1987-88 M.P.H.  
Harvard School of Public Health, Boston, MA

1991-95 Ph.D., Sociology  
University of Pennsylvania, Philadelphia, PA

**Postgraduate Training:**

1989-91 Resident in Medicine  
University of Pennsylvania Medical Center, Philadelphia, PA

1991-93 Robert Wood Johnson Foundation Clinical Scholar  
University of Pennsylvania, Philadelphia, PA

1993-95 National Research Service Award Fellow  
Department of Sociology and Division of General Internal Medicine  
University of Pennsylvania, Philadelphia, PA

**Licensure and Certification:**

1990                 Diplomate, National Board of Medical Examiners  
1993                 Diplomate, American Board of Internal Medicine  
2002                 Massachusetts License (#212672)

**Academic Appointments:**

1987-88             Teaching Fellow, Department of the History of Science  
Harvard University, Cambridge, MA

1990-91             Assistant Instructor, Department of Medicine  
University of Pennsylvania, Philadelphia, PA

1991-94             Fellow, Department of Medicine  
University of Pennsylvania, Philadelphia, PA

1994-95             Instructor, Department of Medicine  
University of Pennsylvania, Philadelphia, PA

1995-98             Assistant Professor of Sociology  
Department of Sociology  
University of Chicago, Chicago, IL

1995-98             Assistant Professor of Medicine  
Department of Medicine  
University of Chicago, Chicago, IL

1999-01             Associate Professor of Sociology  
Department of Sociology  
University of Chicago, Chicago, IL

1999-01             Associate Professor of Medicine  
Department of Medicine  
University of Chicago, Chicago, IL

2001                 Professor of Sociology  
Department of Sociology  
University of Chicago, Chicago, IL

2001                 Professor of Medicine  
Department of Medicine  
University of Chicago, Chicago, IL

2001-                Professor of Medical Sociology  
Department of Health Care Policy  
Harvard Medical School, Boston, MA

2005- Professor of Sociology  
Department of Sociology  
Harvard University, Cambridge, MA

2009- Professor of Medicine  
Department of Medicine  
Harvard Medical School, Boston, MA

2009- Master  
Pforzheimer House  
Harvard College, Cambridge, MA

**Clinical Appointments:**

1995-01 Attending Physician  
University of Chicago Medical Center, Chicago, IL

1999-01 Home Hospice Physician  
Horizon Hospice, Chicago, IL

2002-06 Attending Physician, Palliative Medicine Service  
Massachusetts General Hospital, Boston, MA

2006- Attending Physician, Department of Medicine  
Mt. Auburn Hospital, Harvard Medical School, Boston, MA

**Other Professional Positions and Major Visiting Appointments:**

1981-83 Research Assistant, Laboratory of Dr. Tom Reese  
Marine Biological Laboratory, Woods Hole, MA

1981-82 Research Assistant, Laboratory of Dr. George Peries  
Institut de Recherches sur les Maladies du Sang,  
Département d'Oncologie Expérimentale, Hôpital Saint-Louis, Paris, France

1982-83 Research Associate, Laboratory of Dr. Tom Reese  
National Institute of Neurological Communicative Disorders and Stroke,  
National Institutes of Health, Bethesda, MD

1987-88 Research Associate  
WHO-Harvard University International Collaborating Center for Health Legislation,  
Harvard School of Public Health, Boston, MA

1988-89 Research Associate  
Harvard University Health Transition Project, Boston, MA

1991-95 Senior Fellow  
Leonard Davis Institute of Health Economics  
University of Pennsylvania, Philadelphia, PA

- 1995-01      Research Associate  
Population Research Center and Center on Aging  
University of Chicago, Chicago, IL
- 1995-99      Core Faculty  
Robert Wood Johnson Clinical Scholars Program  
University of Chicago, Chicago, IL
- 1999          Visiting Professor  
Sydney Institute of Palliative Medicine,  
Royal Prince Alfred Hospital, Sydney, Australia
- 2000          Visiting Professor  
Sydney Institute of Palliative Medicine,  
Royal Prince Alfred Hospital, Sydney, Australia
- 2000          Visiting Fellow  
Edith Cowan University, Perth, Australia
- 2001-02      Visiting Professor  
Center on Ethics and the Professions, Harvard University, Cambridge, MA

### **Major Administrative Responsibilities:**

- 1999-01      Co-Director  
Robert Wood Johnson Foundation Clinical Scholars Program  
University of Chicago, Chicago, IL
- 2002-08      Director, 2002-05; Executive Committee Member, 2005-08  
Robert Wood Johnson Foundation Health Policy Scholars Program  
Harvard University, Cambridge, MA
- 2009-          Master, Pforzheimer House, Harvard College  
Harvard University, Cambridge, MA

### **Major Committee Assignments:**

#### Intramural:

- 1984-87      Human Studies Committee, Harvard Medical School
- 1995-96      Task Force on the Medical School Curriculum, University of Chicago
- 1995-97      Executive Committee, Section of General Internal Medicine, University of Chicago
- 1996-98      Faculty Search Committee, Department of Sociology, University of Chicago
- 1996-98      Faculty Search Committee, Department of Health Studies, University of Chicago
- 1996-01      Admissions Committee, Department of Sociology, University of Chicago
- 1996-01      Oversight Committee, Center on Aging, University of Chicago
- 1997-98      Faculty Search Committee, Section of General Internal Medicine, University of Chicago

1998-01 Faculty Board for Computing Activities and Services, University of Chicago  
 1999-01 Vice-Chairman, Institutional Review Board, National Opinion Research Center,  
 University of Chicago  
 2001-02 Faculty Search Committee, Department of Health Care Policy, Harvard Medical  
 School  
 2002-03 Faculty Search Committee, Department of Social Medicine, Harvard Medical School  
 2002-05 Steering Committee for Dana-Farber/Harvard Cancer Center Palliative  
 Care/Psychosocial Oncology, Harvard Medical School  
 2003-04 Faculty Search Committee, Hebrew Rehabilitation Center, Harvard Medical School  
 2003- Standing Committee on Health Policy, Harvard University  
 2003- Steering Committee for the Institute for Quantitative Social Science, Harvard  
 University  
 2003- Faculty Committee, MD/PhD Program in Social Sciences, Harvard Medical School  
 2003-04 Faculty Search Committee, Primary Care Division, Harvard Medical School  
 2003-05 Faculty Committee, Office of Research Compliance, Harvard Medical School  
 2003-06 Committee on Promotions, Reappointments, and Appointments, Harvard Medical  
 School  
 2004-05 Faculty Search Committee, Department of Society, Human Development, and Health,  
 Harvard School of Public Health  
 2004-05 Faculty Search Committee, Division of Psychosocial Oncology and Palliative Care,  
 Dana-Farber Cancer Institute, Harvard Medical School  
 2004-05 Faculty Search Committee, Department of Ambulatory Care and Prevention, Harvard  
 Medical School  
 2004-06 Admissions Committee, Department of Sociology, Harvard University  
 2006-07 Junior Faculty Search Committee, Department of Sociology, Harvard University  
 2006- Standing Committee on Global Health, Harvard University  
 2006-09 Subcommittee of Professors, Harvard Medical School  
 2008-09 Admissions Committee, Department of Sociology, Harvard University  
 2008- Social Science Planning Committee, Harvard University

Extramural:

1997 Member, Fellowship Grant Special Emphasis Panel, Agency for Health Care Policy  
 and Research  
 1997-98 Member, Committee on the Medicare Hospice Benefit and End-of-Life Care,  
 National Hospice Organization  
 1997-99 Member, "Health Systems Research" Study Section, Agency for Health Care Policy  
 and Research (Reserve Panel)  
 1999-05 Member, "Social Sciences and Population Studies" (SSPS) Study Section (formerly  
 known as "SNEM-3"), National Institutes of Health  
 2001-05 Member, National Assessors Panel for Cancer Research Grants for Australia (Study  
 Section)  
 2005-08 Member, National Advisory Committee, Robert Wood Johnson Foundation  
 Investigator Awards in Health Policy Research  
 2005-06 Member, International Advisory Panel, Korean Longitudinal Study of Aging  
 (KLoSA)  
 2005- Member, Data Monitoring Committee, Health and Retirement Survey (HRS)  
 2008 Member, National Institute on Aging, Behavioral and Social Research Quadrennial  
 Review Committee  
 2009-12 Council Delegate from the Section on Social, Economic, and Political Sciences,  
 American Association for the Advancement of Science

**Editorial Responsibilities:**Editorial Positions:

1988-95	Member, Editorial Board, <i>Law, Medicine &amp; Ethics</i>
1993-00	Member, Editorial Board, <i>IRB: A Review of Human Subjects Research</i>
1998-06	Member, Editorial Board, <i>Journal of Palliative Medicine</i>
1999-06	Member, Editorial Board, <i>British Medical Journal (BMJ)</i>
2000-01	Associate Editor, <i>American Journal of Sociology (AJS)</i>
2002-	Associate Editor, <i>Palliative Medicine [UK]</i>

Ad Hoc Reviews:

*American Journal of Public Health*  
*American Journal of Sociology*  
*American Sociological Review*  
*Annals of Internal Medicine*  
*Archives of Pediatrics and Adolescent Medicine*  
*British Medical Journal*  
*Circulation*  
*Culture, Medicine, and Psychiatry*  
*Demography*  
*Economics and Human Biology*  
*Hastings Center Report*  
*Health Affairs*  
*Health Services and Outcomes Research Methodology*  
*International Journal of Environmental Studies*  
*IRB: A Review of Human Subjects Research*  
*JAMA (Journal of the American Medical Association)*  
*Journal of General Internal Medicine*  
*Journal of Health Economics*  
*Journal of Pain and Symptom Management*  
*Journal of Palliative Medicine*  
*Law, Medicine & Ethics*  
*Medical Care*  
*New England Journal of Medicine*  
*Oxford University Press*  
*Palliative Medicine*  
*Population Research and Policy Review*  
*PNAS: Proceedings of the National Academy of Sciences*  
*Sciences Sociales et Santé*  
*Social Science and Medicine*  
*Sociological Methods and Research*  
*Sociological Methodology*

**Awards and Honors:**

- 1984 Chittenden Prize, Yale University: awarded to the graduating senior majoring in the sciences who ranks highest in the class
- 1984 Montaigne Prize, Yale University: for excellence in French
- 1988 Bowdoin Prize, Harvard University: awarded to a graduate student for the best essay in the natural sciences
- 1988 Danforth Citation of Distinction for Excellence in Undergraduate Teaching, Harvard University
- 1992 Lee B. Lusted Prize, Society for Medical Decision Making: awarded to the best post-doctoral paper at the 14th Annual Meeting
- 1996 Digby Baltzell Prize, University of Pennsylvania: awarded for the best dissertation in Sociology
- 2006 Distinguished Researcher Award, National Hospice and Palliative Care Organization: awarded for an “outstanding body of work contributing to the enhancement of hospice and palliative care”
- 2006 Member, Institute of Medicine, National Academy of Sciences

**Languages:**

Fluent Greek  
 Fair French (lost fluency)  
 Fair Spanish (lost fluency)

**PART II: Research, Teaching, and Clinical Contributions****A. Narrative Report of Research Contributions**

My research makes use of my medical, sociological, statistical, and public health training in order to study social factors that influence the delivery, uptake, and outcomes of medical care. My research employs primarily quantitative methods, and it has both practical and theoretical implications for patient care and public health, as well as for the fields of demography, sociology, sociobiology, and health care policy.

In past work, I focused on various aspects of the care of patients who are seriously, terminally, or chronically ill, including a broad effort to understand the practical and conceptual role of prognosis in medicine and a major project examining the determinants and consequences of hospice use. My research on prognosis resulted in a book and numerous papers. *Death Foretold: Prophecy and Prognosis in Medical Care* was, to my knowledge, the first book-length treatment of the non-technical aspects of prognosis in medicine, covering the distinct problems of whether and how physicians formulate and communicate prognostic information, and what their behavior in these regards means for patients. It was based on nearly ten years of work on a variety of inter-locking research projects, including prospective cohort studies; randomized, controlled experiment embedded in a survey of internists; observational clinical epidemiologic studies; and various qualitative investigations.

My work on hospice care has involved the creation of novel data sets containing clinical, demographic, socioeconomic, and market information -- for example about a cohort of 1.3 million seriously ill patients and their spouses. One illustrative study used hierarchical linear models to examine how patient entry into hospice varies with patient, provider, and market factors. Another study tested the hypothesis that hospice use -- and the switch from curative to palliative care that it ordinarily implies

-- is not life-shortening, and is possibly life-prolonging. Still another tested the hypothesis that hospice use by a patient attenuates the adverse impact of bereavement on the health of surviving spouses (the “widow/er effect”) -- compared to spouses of patients who died while not using hospice. This work documented that when a decedent dies using hospice care, their surviving partner is less susceptible to mortality during bereavement. This has important policy implications since it suggests that the choice of a particular type of health care we offer to dying people may have benefits not just to themselves, but also to others in their social circle.

This last project, on what might be termed “collateral health effects” or “health externalities,” has led to a series of current projects on health in social networks. One broad set of related investigations is focused on how the health of two spouses in a couple (a simple, dyadic network) might be interlinked. Having a spouse fall ill or die are events that have powerful implications for the individuals involved and for society. Unfortunately, there are important gaps in our understanding of how morbidity and mortality in one spouse affect the morbidity and mortality of the other. In this line of work, I am exploring the empirical realities, theoretical underpinnings, and policy implications of such intra-marital health effects. We have built and analyzed a new data set of 1,000,000 couples followed for ten years. The policy significance of intra-marital health effects in the elderly is substantial. For example, if illness in an elderly wife is causally associated with a subsequent increase in the likelihood of illness (or death) in her husband, understanding the size of this effect and when it is greatest can guide how interventions are structured to help preserve the health of the husband. Moreover, any such effects have implications for the assessment of the cost-effectiveness of medical interventions, since more benefit may accrue than merely to the individual being treated.

Another new project, entitled “A Social Network-Based Study of Inter-Individual Health Effects in the Framingham Heart Study,” has involved the development of a sample of 5,124 “egos” embedded within a social network of over 12,000 people; each ego is linked to roughly eight “alters” within the network, and all are followed every four years for over 32 years. Our objective is to understand how illness events and health behaviors in one person might contribute to similar phenomena in others to whom they are connected via a social tie, in what might be called the *non-biological spread of disease*. Our initial work has documented the spread of obesity and of smoking behavior over time and across social space in this network. Further work involves the mathematical modeling of similar network-based health processes and the deployment of network analytic techniques to study a broad range of phenomena in biology and medicine.

## B. Funding Information

### Past Funding (Since 1995, Selected):

1995-98	“Physician Prognostication and Decisions to Refer Terminally Ill Patients to Hospice,” Project on Death in America Soros Faculty Scholar, Open Society Institute (PI; \$229,500)
1996-98	Faculty Development Trainee, Geriatric Academic Program Award, National Institute on Aging, National Institutes of Health (K-12 AG00488), (Investigator, \$164,000)
1996-99	“Access to Hospice Care For Alzheimer Patients at the End of Life,” Alzheimer’s Association, (PI; \$221,806)
1998-02	“The Clinical Scholars Program at the University of Chicago,” Robert Wood Johnson Foundation, (Co-Director; \$2,350,249)
1998-02	“A Population-Based Study of the Use and the Consequences of Hospice Terminal Care in Elderly Medicare Beneficiaries,” National Institute on Aging, National Institutes of Health (R-01 AG15326), (PI; \$877,299)

- 2001-04 “Health in Marriage: Policy Implications of Spousal Illness and Death,” Investigator Award in Health Policy Research, Robert Wood Johnson Foundation, (PI; \$242,990)
- 2001-07 “A Population-Based Study of the Inter-Relationship of Morbidity and Mortality Between Elderly Spouses,” National Institute on Aging, National Institutes of Health (R-01 AG17548), (PI; \$3,077,073)
- 2002-07 “The Health Policy Scholars Program at Harvard University,” Robert Wood Johnson Foundation, (PI; \$4,764,358)
- 2004-08 “A Social Network-Based Study of Inter-Individual Health Effects in the Framingham Heart Study,” National Institute on Aging, National Institutes of Health (R-01 AG24448), (PI; \$2,060,986)
- 2006-08 “Psychological and Financial Burden of Cancer Caregiving in Elderly Spouses” National Institute on Aging, National Institutes of Health (R-03 AG028628), (PI; \$120,000)

#### Current Funding:

- 2007-11 “Dynamic Relationship of BMI and SES Over the Life Cycle and Between Generations” National Heart, Lung, Blood Institute, National Institutes of Health (R-01 HL086830), (Investigator)
- 2007-10 “Development of Network Data and Methods for the Study of Health and Health Care,” Robert Wood Johnson Foundation, Pioneer Award (PI; \$653,556)
- 2008-13 “Networks and Neighborhoods,” National Institute on Aging, National Institutes of Health (P-01 AG-031093), (PI; \$11,026,363)
- 2009-14 “Roybal Center for Translational Research on Aging,” National Institute on Aging, National Institutes of Health (P30 AG034420), (PI; \$1,859,558)

### **C. Report of Current Research Activities**

I am engaged in a comprehensive set of investigations regarding the role of social networks and neighborhoods in health and health behavior.

### **D. Report of Teaching**

#### **Full Courses Developed**

“*Life and Death in the U.S.A.: Medicine and Disease in Social Context*,” Sociology 190, Harvard University: This undergraduate course, most recently enrolling 250 students, examines the social causes and context of illness, death, and health care in the U.S. today. Who stays healthy and who falls ill? Who has a long life and who has a short one? What is a good death and why do so few Americans achieve it? What is good medical care and who gets it? What role do physicians play in producing health in our society? Do certain kinds of social networks or neighborhoods improve health? Overall, the course evaluates the collective constraints on individuals’ life prospects. Offered in: 2005-06, 2006-07, 2007-08, 2008-09

“*Health and Social Structure*,” Sociology 390, Harvard University: This graduate seminar course considers cutting-edge developments in the areas of network science, medical sociology, and demography, with an emphasis on the role of networks and neighborhoods in health and health care. Offered in: 2007-08, 2008-09, 2009-10

- “Sociological Research Design,”* Sociology 201, Harvard University: This graduate course guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of causal reasoning, and data analysis and write-up. Co-taught. Offered in: 2005-06, 2006-07
- “Seminar in the Design of Health Services Research,”* Sociology 550, University of Chicago: This graduate course is a survey of the various quantitative (and, to a lesser extent, qualitative) research methods used by social scientists, epidemiologists, and other researchers who study health care. Methods reviewed include: using administrative claims and developing claims-based measures of health care; using public-use data sets; patient chart-based research; case control and cohort studies; randomized, controlled trials; surveys of patients and health care providers; measuring health status and health care use; cost-effectiveness analysis; meta-analysis of clinical trials; decision-modeling; content analysis of texts; interviewing of patients and health care providers; and participant observation. The course stresses the development of robust causal inference from observational data. Offered in: 1999-00, 2000-01, 2001-02.
- “Current Topics in Medical Sociology,”* Sociology 354, University of Chicago: This graduate course provides an overview of the field of medical sociology, and focuses on how social factors influence the delivery and uptake of medical care in modern American society. It involves attention to how: 1) socially constructed ideas influence diagnosis and therapy, 2) social support, ethnicity, and race influence health care and outcomes, 3) social processes influence physician decision making, and 4) organizational structure influences health care delivery and patient experience. Offered in: 1995-96, 1996-97, 1998-99.
- “Gender, Sexuality, and Medicine,”* Sociology 263, University of Chicago: This graduate course examines, from a number of disciplinary and methodological perspectives, the intersection of gender, sex, and sexuality with the organization and practice of clinical medicine. It addresses the manner in which medicine, as a discipline and profession formally grounded in claims to scientific neutrality and objectivity, is constantly embedded in a social context, influencing and being influenced by wider social processes. The course explores the ways in which medicine has evolved and functions as a site of socially mediated invention rather than abstract, value-free discovery. Offered in: 1999-00.
- “Democracy and Social Science,”* Sociology 133, University of Chicago: This undergraduate course, offered as part of the core curriculum, examines the intersection of social science and democracy from several perspectives related to health and health care. It considers how democracy and its breakdown can contribute to the phenomena of socioeconomic inequality, discrimination, epidemic disease, and ill health. It also considers the tension between “expert” and “popular” knowledge and power, and the role of democracy in the formulation of social policy. Along the way, it examines the use of democratic processes as methodological tools (e.g., in methods involving expert systems, utility elicitation, survey research, etc.). Finally, the course engages the difficulty in developing, testing, and implementing public health policy in a pluralistic polity. Offered in: 2000-01.
- “The Role of Foretelling in Social Life: Prophecy, Prediction, and Prognostication,”* Sociology 524, University of Chicago: This graduate course examines the role of knowledge of the future, and of claims to such knowledge, in social life. This concern is especially intriguing because of the paradoxical observation that knowledge of the future, while on the one hand fundamental to social processes, is on the other hand often latent. The course uses medicine as an important example to explore the broader theme of prediction and destiny in social life; however, other examples are

drawn from religion, economic forecasting, and everyday social encounters. The course considers such diverse phenomena as notions of self-fulfilling prophecy, the making of promises, belief in magical efficacy, schedules, the sociology of time, the impact of educational testing, the sociology of hope, the psychology of optimism, and apocalyptic cults. Offered in: 1997-98.

*“AIDS: The Emerging Ethical and Policy Dilemmas,”* North 120 (interdisciplinary), Harvard College: This undergraduate course analyzes the societal impact of the AIDS epidemic and the attendant ethical and public policy issues. Offered in: 1987-88.

### **Regular Lectures and Activities in Harvard Courses and Training Programs (Selected):**

- “End of Life Care in the U.S.,” lecture given to Ph.D. students enrolled in Health Policy 2000, Harvard University, 2002, 2003, 2004
- “Death, Dying, and the Structure of US Health Care,” lecture given to undergraduate students enrolled in Social Analysis 54, Harvard University, 2003, 2004, 2005, 2006
- “Research Methods in Palliative Care,” a series of monthly seminars as part of a Harvard Medical School-wide journal club in Palliative Medicine, offered during the 2002-03 and 2003-04 academic years
- “Research Methods in Medical Education Research,” a year-long course sequence comprised of ten instructional hours given to 17 physician fellows (*e.g.*, the Rabkin Fellows) acquiring skills in medical education, offered during the 2006-07, 2007-08, and 2009-10 academic years

### **Invited Presentations (Past Ten Years, Selected):**

- 1999 “Health Services Research in Palliative Care in the United States,” Sydney Institute of Palliative Medicine, Royal Prince Alfred Hospital, Sydney, Australia
- 1999 “Health Services Research in Palliative Care in the United States,” Canberra Hospital, Canberra, Australia
- 1999 “The Extent and Determinants of Accuracy in Physicians’ Prognoses When Patients are Referred to Hospice,” and “Patient Survival After Enrollment in Hospice,” Keynote Addresses, Minnesota Hospice Organization Conference, Bloomington, MN
- 1999 “Some Insights into Physician Anxiety,” Society and Medicine: Explorations of Their Moral and Spiritual Dimensions, A Festschrift Conference in Honor of Renée C. Fox, Philadelphia, PA
- 2000 “A Series of Projects on the Determinants of the Timing of Hospice Enrollment,” “An Introduction to Survey Methods for Health Services Research in Palliative Medicine,” and “An Introduction to Case/Control and Cohort Methods for Health Services Research in Palliative Medicine,” Workshop on The Care of Patients with Advanced and Progressive Disease: Research and Research Methodology, Royal Prince Alfred Hospital, Sydney, Australia
- 2000 “Death Foretold: Some Aspects of Prognostication in Clinical End-of-Life Care,” Sydney Institute of Palliative Medicine, Royal Prince Alfred Hospital, Sydney, Australia
- 2000 “Death Foretold: Prognosis in Cancer Care,” Department of Epidemiology, Monash University, Melbourne, Australia
- 2000 “The Accuracy of Physicians’ Prognoses in Cancer Care,” Anti-Cancer Council of Victoria, Melbourne, Australia

- 2000 “The Extent and Determinants of Error in Doctors’ Prognoses for Terminally Ill Patients: A Prospective Study,” Grand Rounds, Sir Charles Gairdner Hospital, Perth, Australia
- 2000 “Death Foretold: Prophecy and Prognosis in Medical Care,” Western Australia Council for Palliative Care, Perth, Australia
- 2000 “Death Foretold: Prophecy and Prognosis in Medical Care,” Institution for Social and Policy Studies, Yale University, New Haven, CT
- 2000 “The Extent and Determinants of Error in Physicians’ Prognoses in Terminally Ill Patients,” Grand Rounds, Cook County Hospital, Chicago, IL
- 2000 “Death Foretold: Prophecy and Prognosis in Medical Care,” Leonard Davis Institute, University of Pennsylvania, Philadelphia, PA
- 2000 “Barriers to the Use of Hospice Care at the End of Life,” testimony before the United States Senate, Special Committee on Aging, Washington, DC
- 2000 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” Keynote Address, Midwest Society of General Internal Medicine Annual Meeting
- 2000 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” The Medical Center Hour, University of Virginia, Charlottesville, VA
- 2000 “The Transition to Hospice Care in Seriously Ill Elderly Patients,” Department of Health Care Policy, Harvard Medical School, Boston, MA
- 2001 “Nice Help If You Can Get It: Inter-Spousal Support, Gender, Medicine, and Death,” Notestein Seminar, Population Research Center, Princeton University, Princeton, NJ
- 2001 “The Practical Predicament of Prognostication at the End of Life,” Plenary Keynote Address, 7th International Meeting of the European Association for Palliative Care, Palermo, Italy
- 2001 “Nice Help If You Can Get It: Inter-Spousal Support, Gender, Medicine, and Death” The Frances H. Schiltz Lecture, University of Kansas School of Medicine, Wichita, KS
- 2001 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” Johns Hopkins University Medical School, Baltimore, MD
- 2002 “Nice Help if You Can Get It: Inter-Spousal Support, Gender, Medicine, and Death,” Medical University of South Carolina, Charleston, SC
- 2002 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” Grand Rounds, University of Pennsylvania Medical Center
- 2002 “Some Comments on Inter-ethnic Variation in Schizophrenia and Suicide Rates,” Jacobs Foundation Conference, Marbach Castle, Germany
- 2002 “Foreseeing and Foretelling a Good Death,” Public Lecture, King’s College, London, England
- 2003 “Death Foretold: Epidemiological and Sociological Studies of Whether and How Physicians Prognosticate,” McGill University, Montreal, Canada
- 2003 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” Grand Rounds, Department of Medicine, Brigham and Women’s Hospital, Boston, MA
- 2003 “The Health of Migrants,” Conference on African Migration and Urbanization in Comparative Perspective, Johannesburg, South Africa
- 2004 “The Health Impact on Families of Health Care: A Matched Cohort Study of Hospice Use by Decedents and Mortality Outcomes in Surviving, Widowed Spouses,” Grand Rounds, Hygeia Hospital, Athens, Greece
- 2004 “How Long Do I Have to Live?” -- Why Prognostic Questions Trouble Doctors,” Magdalen College, Oxford University, Oxford, UK

- 2004 “Physicians’ Responses to Prognostic Error,” European Association of Palliative Care, Conference held in Milan, Italy
- 2004 “The Effect of Disabling Illness or Death in One Spouse on the Mortality of the Other,” NBER Conference on Disability in the U.S., Charleston, SC
- 2004 “‘Cascade’ Effects with Respect to Health and Health Care in Social Networks,” University of Maryland Population Research Center, College Park, MD
- 2004 “‘How Long Do I Have to Live?’ -- Why Prognostic Questions Trouble Doctors,” Grand Rounds, Lahey Clinic, Burlington, MA
- 2004 “Hospice Care, The Widower Effect, and Social Networks at the End of Life,” National Advisory Council on Aging, NIH, Bethesda, MD
- 2004 “Health Externalities of Illness and Medical Care Near the End of Life,” The Institute for Fiscal Studies, University College, London, UK
- 2004 “Using CMS Data to Examine the Determinants and Outcomes of End-of-Life Care,” Centers for Medicare and Medicaid Services, Baltimore, MD
- 2004 “Inter-Spousal Mortality Effects: Caregiver Burden Across the Spectrum of Disabling Disease,” NBER Conference on Disability in the U.S., Jackson Hole, WY
- 2004 “Inter-Spousal Mortality Effects: Caregiver Burden Across the Spectrum of Disabling Disease,” Royal Prince Alfred Hospital, University of Sydney, Sydney, Australia
- 2004 “Inter-Spousal Health Effects of Illness and Medical Care in the Elderly Near the End of Life,” New South Wales Society for Palliative Medicine and Sydney Institute of Palliative Medicine, Sydney, Australia
- 2004 “Health Impact of Health Care on Surviving Family of Cancer Patients,” Clinical Oncological Society of Australia (COSA) Annual Meeting, Canberra, Australia
- 2004 “‘How Long Do I Have to Live?’ -- Why Prognostic Questions Trouble Doctors,” Clinical Oncological Society of Australia (COSA) Annual Meeting, Canberra, Australia
- 2004 “Social Aspects of Dignity at the End of Life,” University of Tasmania, Hobart, Australia
- 2005 “Uncertainty and Dread Regarding Prognosis Among Physicians,” Luso-American Foundation, Lisbon, Portugal
- 2005 “The Health Impact of Health Care on Family Members of Seriously Ill Patients,” Aghia Sophia Children’s Hospital, Athens, Greece
- 2005 “Staying Healthy for Your Partner’s Sake,” Keynote Address, Hellenic-American Medical Society and the Harvard Club of Greece, Athens, Greece
- 2005 “Health Externalities: How Illness and Health Care in One Spouse Affect the Survival of the Other,” RAND Corporation, Los Angeles, CA
- 2005 “Health Externalities: How Illness and Health Care in One Spouse Affect the Survival of the Other,” Duke University, Durham, NC
- 2005 “The Epidemiological Study of Intra-Familial Health Effects: Spousal Hospitalization and Partner Mortality,” University of Athens, Athens, Greece
- 2005 “Prognostication and Palliative Care,” Lisbon Faculty of Medicine, Lisbon, Portugal
- 2005 “The Health Effects of End-of-Life Care on Spouses: Revisiting the Widower Effect and Caregiver Burden,” Lisbon Faculty of Medicine, Lisbon, Portugal
- 2005 “The Science and Art of Prognosis Near the End of Life: Implications for Patients, Doctors, and Society,” Annual Opening Lecture of the Academic Year, Lisbon Faculty of Medicine, Lisbon, Portugal
- 2005 “Health Externalities: How Illness and Health Care in One Spouse Affect the Survival of the Other,” Davis Lecture, University of Chicago, Chicago, IL
- 2006 “The Possible Effects of Pain and Pain Relief on Family Members,” University of Bristol, Bristol, UK

- 2006 “The Role of Prognosis in Clinical Care,” Zuckerman Lecture, Mt. Auburn Hospital, Cambridge, MA
- 2006 “Inter-Personal Health Effects in Dyadic and Hyper-Dyadic Social Networks,” Harvard School of Public Health, Boston, MA
- 2006 “How Illness and Health Care in One Spouse Affect the Survival of the Other,” Internationally Distinguished Speaker Series, Cleveland Clinic Foundation, Cleveland, OH
- 2007 “The Epidemic Spread of Health Behavior in a Complex, Longitudinally Resolved Social Network,” Condensed Matter Seminar, Department of Physics, University of Notre Dame, South Bend, IN
- 2007 “The Epidemic Spread of Obesity in a Large Social Network Over 32 Years,” Kennedy School of Government, Harvard University, Cambridge, MA
- 2007 “The Spread of Obesity in a Large Social Network Over 32 Years,” Human Nutrition Research Center, Tufts University, Boston, MA
- 2007 “Inter-Personal Health Effects: The Spread of Health Behaviors in Social Networks,” Harvard Program on Asian and International Relations Annual Meeting, Beijing, China
- 2007 “Inter-Personal Health Effects and Social Inequality,” Harvard Program on Asian and International Relations Annual Meeting, Beijing, China
- 2007 “Reflections on the Media Coverage of ‘The Spread of Obesity,’” College of Communication, Boston University, Boston, MA
- 2007 “The Spread of Health Behaviors in Social Networks,” National Advisory Council on Aging, NIH, Bethesda, MD
- 2007 “The Spread of Obesity and Health Behaviors in a Complex, Longitudinally Resolved Social Network,” Plenary Address, International Conference on Complex Systems (ICCS 2007), Boston, MA
- 2007 “The Spread of Health Phenomena Within Complex Social Networks,” Center for Health Equity Studies, Stockholm University, Stockholm, Sweden
- 2007 “Some Thoughts on the Rise of Social Science Data Complexity,” Meeting on Computational Social Science, Harvard University, Cambridge, MA
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Department of Epidemiology, Harvard School of Public Health, Boston, MA
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Institute for Social and Economic Research and Policy, Columbia University, New York, NY
- 2008 “The Spread of Health Phenomena in Complex Social Networks,” Center for Statistical Sciences, Brown University, Providence, RI
- 2008 “The Spread of Obesity, Substance Use, and Happiness in Longitudinally Resolved Social Networks,” Rockefeller Center for Public Policy and Social Sciences, Dartmouth College, Hanover, NH
- 2008 “Social Contagion and Individual Health,” Office of the Provost, Boston College, Boston, MA
- 2008 “The Spread of Health Phenomena in Complex, Longitudinally Resolved Social Networks,” Program in Evolutionary Dynamics, Harvard University, Cambridge, MA
- 2008 “The Spread of Health Phenomena in Social Networks,” Fourth Annual Poretzky Lecture, Beth Israel Medical Center, New York, NY
- 2008 “Person-to-Person Spread of Health Behaviors in a Large Social Network,” Behavioral and Social Science Research Annual Lecture Series, Office of Behavioral and Social Science Research, National Institutes of Health, Bethesda, MD

- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Department of Sociology, Princeton University, Princeton, NJ
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Applied Statistics Workshop, Institute for Quantitative Social Science, Harvard University, Cambridge, MA
- 2008 “The Spread of Health Phenomena in Complex, Longitudinally Resolved Social Networks,” Systems Biology Department, Harvard Medical School, Boston, MA
- 2008 “Examining New, Evolving Social Networks,” Meeting on Methodology for Empirical Research on Social Interactions, Social Networks, and Health, Harvard University, Cambridge, MA
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Keynote Address, Conference on the Empirical Analysis of Networks, University of Alicante, Alicante, Spain
- 2008 “The Interpersonal Spread of Health Behaviors in Social Networks,” Keynote Address, Health in Aging Conference, Dublin, Ireland
- 2008 “Eat, Drink, and Be Merry: The Spread of Obesity, Substance Use, and Happiness in Longitudinally Resolved Social Networks,” Opening Keynote Address, NetSci08 Conference, Norwich, UK
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” 37<sup>th</sup> Annual Merrimon Lecture, University of North Carolina School of Medicine, Raleigh, NC
- 2008 “The Spread of Health Phenomena in Complex, Longitudinally Resolved Social Networks,” Carolina Population Center Annual Distinguished Lecture, University of North Carolina, Raleigh, NC
- 2008 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Social Networks,” Grand Rounds, Department of Medicine, Beth Israel Hospital, Boston, MA
- 2009 “Eat, Drink, and Be Merry: The Spread of Health Phenomena in Complex, Longitudinally Resolved Social Networks,” Keynote Address, German Physical Society Annual Meeting, Dresden, Germany
- 2009 “Genetic Basis for Social Network Structure and Social Aspects of Social Network Function,” Department of Economics, Cambridge University, Cambridge, UK, and Microsoft Research, Cambridge, UK
- 2009 “The Spread of Health Phenomena Across Complex, Longitudinally Evolving Social Networks,” Department of Physics, Harvard University, Cambridge, MA

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- 1995-01 T. Jack Iwashyna, MD, PhD, Assistant Professor of Medicine, University of Michigan, Ann Arbor, Michigan
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- 1998-00 Elizabeth Lamont, MD, MA, Assistant Professor of Medicine, Harvard Medical School, Boston, MA
- 1998-01 Danielle Harvey, PhD, Assistant Professor of Statistics, University of California, Davis
- 1999-02 Ming Wen, PhD, Assistant Professor of Sociology, University of Utah, Salt Lake City, UT
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2005-07	Kirsten Smith, PhD, formerly post-doctoral fellow, Program in the Global Demography of Aging Post-Doctoral Fellow, Harvard University, Cambridge, MA
2005-09	Marcus Alexander, formerly PhD student (Government), Harvard University, Cambridge, MA; currently at Stanford Medical School
2005-08	Pete Dewan, PhD, formerly student (Sociology), Harvard University, Cambridge, MA
2006-08	Damon Centola, PhD, Assistant Professor, Sloan School of Management, MIT, Cambridge, MA
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### E. Report of Clinical Activities

I was trained as a general internist and my current practice is exclusively in palliative medicine. Until July, 2001, I was a home hospice physician, and I spent one half-day per week visiting home-bound, dying patients. From 2002 to 2006, I was an attending physician on the Palliative Medicine Consult Service at Massachusetts General Hospital, with several weeks of duty per year, plus additional educational responsibilities. Beginning in 2006, I have been an attending physician in the Department of Medicine at Mt. Auburn Hospital, a Harvard teaching hospital, with responsibilities for education about end-of-life care and clinical research.

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