

PART I: General Information

DATE PREPARED: March 7, 2023

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Place of Birth: Englewood, NJ

Education:

1968 A.B. Cornell University

1972 M.D. Columbia University College of Physicians and Surgeons

Postdoctoral Training:

1971-1972 Daniel Alpern Research Fellow (neurochemistry), Columbia University, College of Physicians and Surgeons, New York, NY

1972-1973 Rotating Intern, Mt. Zion Hospital and Medical Center, San Francisco, CA

1974-1977 Resident in Psychiatry, McLean Hospital, Belmont, MA

1976-1977 Clinical Fellow in Psychiatry, Medical Department, Massachusetts Institute of Technology, Cambridge, MA

1977-1978 Fellow in Psychosomatic Medicine, Boston University School of Medicine, Boston, MA

1978-1979 Research Fellow in Biobehavioral Sciences, Boston University School of Medicine, Boston, MA

2001 Scholar, Harvard Macy Institute

Licensure and Certification:

1973-2023 California Medical License (current, exp 12/31/2023)

1974-2023 Massachusetts Medical License (current, exp 12/02/2023)

1974 Medical Council of Canada (inactive)

1974, 2017 Register of Medical Practitioners, General Medical Council, UK (2217428)

1978 American Board of Psychiatry and Neurology

1996-2006 American Board of Psychiatry and Neurology, added qualification in Geriatric Psychiatry

2022-2024 Tennessee Medical License (current)
 2022- Florida Medical License (telemedicine)
 2023- Kansas Medical License (telemedicine)

Temporary licenses (Public Health Emergency)

2020-2021 North Carolina Medical License (temporary)
 2020-2021 Maine Medical License (temporary)
 2020-2021 Kentucky Medical License (temporary)
 2020-2021 Georgia Medical License (temporary)
 2020-2021 Alabama Medical License (temporary)
 2020-2023 New Jersey Medical License (temporary)
 2020-2021 New Hampshire Medical License (temporary)
 2020-2021 Missouri Medical License (temporary)
 2020-2021 Louisiana Medical License (temporary)
 2020-2023 Wisconsin Medical License (temporary)
 2020-2021 Georgia Medical License (temporary)

Academic Appointments:

1974-1977 Clinical Fellow in Psychiatry, Harvard Medical School
 1977-1979 Clinical Instructor in Psychiatry, Harvard Medical School
 1980-1987 Instructor in Psychiatry, Harvard Medical School
 1987-1996 Assistant Professor of Psychiatry, Harvard Medical School
 1993-1996 Assistant Professor of Health Sciences and Technology, Massachusetts Institute of Technology
 1996-2009 Associate Professor of Psychiatry, Harvard Medical School
 1996-2005 Associate Professor of Health Sciences and Technology, Massachusetts Institute of Technology
 2005-2015 Affiliate Faculty, Division of Health Sciences and Technology, Massachusetts Institute of Technology and Harvard Medical School
 2009-2017 Associate Clinical Professor of Psychiatry, Harvard Medical School
 2017- Lecturer in Psychiatry, Harvard Medical School

Hospital or Affiliated Institution Appointments:

1973-1974 Assistant Attending Physician, University of California, Berkeley, CA
 1977-1979 Clinical Associate, Psychosomatic Medicine, University Hospital, Boston, MA
 1980-1984 Associate in Psychiatry, Beth Israel Hospital, Boston, MA
 1985-1987 Assistant Psychiatrist, Beth Israel Hospital, Boston, MA
 1987- Associate Psychiatrist, Beth Israel Hospital, Boston, MA
 1995-1997 Chief of Behavioral Medicine, Health Centers Division, Harvard Pilgrim Health Care, Boston, MA
 1997-2001 Chief of Behavioral Medicine, Harvard Vanguard Medical Associates, Boston, MA

2007-2010 Consultant in Psychiatry, Massachusetts General Hospital, Boston, MA
 2010-2013 Associate Psychiatrist, Massachusetts General Hospital, Boston, MA
 2014- Affiliate Staff, Beth Israel Deaconess Medical Center, Boston, MA

Other Professional Positions and Major Visiting Appointments:

1976-1980 Research Psychiatrist, Harvard University Health Service
 1980-1983 Young Investigator Awardee, National Cancer Institute
 1983-1985 Research Psychiatrist, Massachusetts Institute of Technology
 2006-2016 Research Psychiatrist, Harvard Center for Medical Simulation

Hospital and Health Care Organization Service Responsibilities:

1976-1977 Chief Resident, Outpatient Clinic, McLean Hospital
 1977-1979 Consulting Psychiatrist, Regional Oncology Program and Sections of Medical and Surgical Oncology, University Hospital
 1980 Associate Director, Psychiatry Consultation Service, Beth Israel Hospital
 1980-1981 Acting Director, Psychiatry Consultation Service, Beth Israel Hospital
 1981-1982 Founding Director, Clinical Psychophysiology Unit, Beth Israel Hospital
 1982-1995 Research Psychiatrist, Beth Israel Hospital
 1984-1987 Associate Director, Psychiatry Consultation Service, Beth Israel Hospital.
 1986 Acting Director, Psychiatry Emergency Service, Beth Israel Hospital
 1987-1995 Director of Medical Student Education in Psychiatry, Beth Israel Hospital
 1987-1995 Director, Psychiatric Informatics, Center for Clinical Computing, Beth Israel Deaconess Medical Center
 1993-1994 Director, Psychiatry Service, Beth Israel/Children's Hospital Medical Care Center, Lexington, MA
 2000-2015 Research Psychiatrist, Division of Clinical Informatics, Beth Israel Deaconess Medical Center
 2007- Consulting Psychiatrist, Center for Medical Simulation, Boston, MA
 2010-2011 Research Psychiatrist, Outcomes Group, MGH Academy, Boston, MA
 2012-2013 Primary Care Psychiatrist, Primary Care Associates, MGH West, Waltham, MA

Major Administrative Responsibilities:

1987-1989 Quality Assurance Coordinator, Department of Psychiatry, Beth Israel Hospital
 1987-2001 Director, Psychiatric Informatics, Beth Israel Hospital, Boston, MA, and the Center for Clinical Computing, Harvard Medical School
 1995-1997 Chief, Department of Behavioral Medicine, Harvard Pilgrim Health Care, Boston, MA
 1998-2001 Chief, Department of Behavioral Medicine, Harvard Vanguard Medical Associates, Boston, MA
 1999-2001 Director, Institute of Cybermedicine, Department of Psychiatry, Harvard Medical School, Boston, MA

Major Committee Assignments:

1985-1987 Behavioral Medicine Task Force (Chair), Harvard Pilgrim Health Care, Boston, MA

Medical School/School of Dental Medicine:

1987-1990 AIDS Task Force, Department of Psychiatry, Harvard Medical School.
 1990-1995 Clerkship Director's Committee, Department of Psychiatry, Harvard Medical School
 1993 Curriculum Committee, Medical Student Education, Consolidated Department of Psychiatry, Harvard Medical School (Chair, Subcommittee on Media in Psychiatry Education)
 1996-2001 Subcommittee on Informatics and Decision Support, Research Committee, Consolidated Department of Psychiatry, Harvard Medical School
 1998-2005 Curriculum Committee, Division of Health Sciences and Technology, HMS
 2000-2004 Educational Technology Subcommittee, Curriculum Committee, Division of Health Sciences and Technology, HMS

Affiliated Institutions:

1983-1987 Research Committee, Clinical Research Center, Beth Israel Hospital
 1986-1990 Quality Assurance Committee, Dept. of Psychiatry, Beth Israel Hospital (Chair)
 1987-1991 AIDS Task Force, Beth Israel Hospital
 1997-1998 Behavioral Medicine Coordinating Committee, Harvard Pilgrim Health Care, Chair
 2003-2007 Scientific Advisory Council, Harvard Center for Public Health Preparedness
 2007-2009 MIT Pre-Health Advisory Committee
 2023- Mentor, Harvard Innovation Lab (iLab), Harvard University

Regional:

1990-1992 Corporate Health-Cost Research Alliance, Task Force on Health System Reform Options (Steering Committee)
 1991-2000 Advisory Board, Institute of Clinical Health Psychology, Massachusetts School of Professional Psychology, Dedham, MA
 2001-2004 Primary Care Task Force (Chair), Massachusetts Psychiatric Society
 2003-2012 Volunteer, American Red Cross Mental Health Disaster Services
 2008-2012 HISPC Education & Consumer Engagement Collaborative Workgroup, Massachusetts Health Data Consortium
 2012- Member, Healthcare Services and Finance Committee, Massachusetts Psychiatric Society
 2014- Member, Committee on Information Technology, Massachusetts Medical Society (Chair, 2020-2022)
 2022- Member, Committee on the Quality of Medical Practice, Massachusetts Medical Society

National:

- 1983-1991 Scientific Advisory Council, Institute for the Advancement of Health
 1987-2011 Scientific Advisory Board, Commonwealth, Bolinas, CA
 1994 Consultant, Health Care Reform Task Force, Information Systems Subgroup, The White House, Washington, DC
 1994-1996 National Information Infrastructure Awards, Personal Health Information Systems (Co-Chair)
 1994-1997 Associate of the C. Everett Koop Institute, Hanover, New Hampshire
 1995-1997 IEEE-USA Medical Technology Policy Committee and Co-Chair, Subcommittee on Personal Health Information Systems, Washington, DC
 1995-1998 Task Force, Putting Prevention into Practice On-Line, Office of Disease Prevention and Health Promotion, U.S. Public Health Service
 1995-2000 Global Information Infrastructure Awards, Health Category, semifinals judge
 1995-1999 Working Group on Integration of Behavioral Medicine into Primary Care, Office of Behavioral and Social Sciences Research, National Institutes of Health
 2001-2008 IEEE-USA Medical Technology Policy Committee, Bioterrorism Working Group
 2003-2007 Founding Co-Chair, Psychosocial Dimensions of Biodefense Initiative
 2003-2008 Member, National Disaster Risk Communication Initiative, Georgetown University, Washington, DC
 2003-2004 Consultant, Institute of Medicine, The National Academies: *Introducing Behavioral and Social Sciences into Medical School Curricula* (BNBH-H-02-04-A)
 2004 Consultant, National Research Council, National Academies, Risk Communication

Professional Societies:

- 1973-1988 American Society for Applied Psychophysiology and Biofeedback
 1974-1979 American College of Emergency Physicians
 1976- American Psychiatric Association (Fellow, 1990-2002; Distinguished Fellow, 2003-2009; Distinguished Life Fellow, 2010-)
 1976- Massachusetts Psychiatric Society (Public Affairs Committee, 1989-95; Chair, Primary Care Task Force, 2001-2004, Healthcare Systems and Finance Committee, 2014-)
 1978- American Psychosomatic Society (Council, 1983-85, 1996-99; Program Committee 1993-; Chairman, Public Affairs Committee, 1992-1999; Chair, Website Committee, 1999-2002; President-Elect, 2002-2003; President, 2003-2004); Professional Education Committee, 2004- ; Chair, Oken Fellowship Committee, 2005-2009; Chair, Dissemination and Implementation Task Force, 2009-2011; Past Leaders Committee 2002-)
 1979- Society of Behavioral Medicine (Fellow, 1998-; Life Fellow, 2010)
 1980-1986 Massachusetts Biofeedback Society (President, 1983)
 1986-1990 Founding Co-director, Boston Computer Society's Macintosh Healthcare User Group

1991-1999	Northeast Society for Group Psychotherapy
1991-1999	American Group Psychotherapy Association
1991-1995	Association of Directors of Medical Student Education in Psychiatry
1992-2010	American Medical Informatics Association (Primary Care Working Group)
1992-1999	Society for Clinical and Experimental Hypnosis
1993-1999	International Society of Hypnosis
1994-	American Society for Clinical Psychopharmacology (Fellow, 2018-)
1996-2000	International Electrical and Electronics Engineers (IEEE-US) (Medical Technology Policy Committee)
1999-2010	Disease Management Association of America (Care Continuum Alliance) (Chair, Technology Committee, 2000-2004; Member, Program Committee, 2001-2004, 2008-2009)
2007-	American Association of Technology in Psychiatry
2007-2012	Society for Simulation in Healthcare
2007-2012	Massachusetts Technology Leadership Council
2009-2012	MIT Enterprise Forum, Healthcare and Life Sciences SIG, Steering Committee
2012-	Association for Communication in Healthcare
2013-	American Telemedicine Association
2017-	Society for Participatory Medicine, Life Member
2018-	Health Information Management Systems Society (HIMSS)
2022-	International Society for Research in Internet Interventions (ISRII)
2022-	Society for Digital Mental Health

Community Service Related to Professional Work:

1977-1980	American Cancer Society, Massachusetts Division, Service Committee, Task Force on Support Groups, Chairperson
1992-1995	Education Committee, First Unitarian Society of Newton, Newton, MA
2002-2009	Member, Risk Communication Workgroup, Bioterrorism Preparedness and Response Advisory Council, Massachusetts Department of Public Health
2002-2009	Member, Surge Capacity Workgroup, Bioterrorism Preparedness and Response Advisory Council, Massachusetts Department of Public Health
2004-2005	Board of Health, Vice-Chairman, Wayland, MA
2006-2009	Healthy Wayland 2010 Initiative, Chair
2006-2010	Pandemic Flu Task Force, Chair, Wayland, MA
2006-2010	Community Emergency Response Team, medical team leader, Wayland, MA
2006-2010	Medical Reserve Corps, Executive Committee, Wayland, MA

Editorial Boards:

1984-1987	Associate Editor, <i>Biofeedback and Self-Regulation</i>
1984-1988	Series Editor, <i>Psychological and Behavioral Treatments of Medical Disorders</i> , Institute for the Advancement of Health

1983-1991 Editorial Board, *Advances*, Institute for the Advancement of Health
 1984- Ad Hoc Reviewer, *Psychosomatic Medicine*
 1985- Ad Hoc Reviewer, *Journal of Behavioral Medicine*
 1986- Ad Hoc Reviewer, *Health Psychology*
 1987-1991 Editorial Board, *Psychotherapy and Psychosomatics*
 1987-2000 Editorial Board, *Medical Psychotherapy*
 1988-2002 Editorial Board, *M.D. Computing*
 1990-1993 Advisory Board, *American Health*
 1991-2020 Associate Editor, *American Journal of Health Promotion*
 1992-2009 Contributing Editor, *Medical Encounter*, American Academy on Communication in Healthcare
 1993-1995 Ad Hoc Reviewer, *Archives of Dermatology*
 1993-1996 Corresponding Editor, *Psychoanalytic Quarterly*
 1995-2000 Editorial Board, *International Journal of Clinical and Experimental Hypnosis*
 1995-2002 Advisory Board and Contributing Editor, *Behavior On-Line*
 1996-2005 Editorial Board, *MindBody Medicine*
 1996-1997 Advisory Board, *Time Life Medical*
 1998- Editorial Board, *CyberPsychology, Behavior and Social Networking*
 1999- Ad hoc reviewer, *General Hospital Psychiatry*
 2006-2016 Ad hoc reviewer, *International Journal of Medical Informatics*
 2006-2020 Contributing Editor, *Doc.com*, Drexel University School of Medicine
 2008-2014 Ad hoc reviewer, *Simulation in Healthcare*
 2008-2017 Editorial Board, *Population Health Management*
 2010- Reviewer, *Healthwise*

Awards and Honors:

1972 Columbia Presbyterian Medical Society Research Award
 1977 American Medical Association, Honorable Mention, Scientific Exhibit
 1977 American College of Emergency Physicians, First Prize, Scientific Exhibit
 1980 Young Investigator Award, National Cancer Institute
 1989 Nominee, S. Robert Stone Teaching Award, HMS
 1990-2002 Fellow, American Psychiatric Association
 1990 *Who's Who in America*
 1993 Nominee, S. Robert Stone Teaching Award, HMS
 1995 *Who's Who in the World*
 1997- *Who's Who in Medicine and Healthcare*
 1998- Fellow, Society of Behavioral Medicine
 2003-2008 Distinguished Fellow, American Psychiatric Association
 2009- Distinguished Life Fellow, American Psychiatric Association
 2012-2023 US News & World Report, Top Doctors (Psychiatry)
 2017-2023 Boston Magazine, Top Doctors (Psychiatry)

Part II: Research, Teaching, and Clinical Contributions

A. Narrative report of Research, Teaching, and Clinical Contributions

My most recent **teaching** role was at Beth Israel Deaconess Medical Center where I provided clinical supervision for psychiatric residents in the practice of cognitive behavioral therapies (CBT). In July 2019-January 2020, I was the course director for a weekly seminar for PGY3s on advanced practice of CBT, as well as providing individual and group supervision.

My teaching career has centered around four areas: 1) patient-centered clinical computing and e-health, 2) the doctor-patient relationship and reflective medical practice, 3) behavioral medicine and the management of chronic medical illness, 4) telebehavioral health and integrative care.

During the years 1989-1995, I served as Director of Medical Student Education for Psychiatry at Beth Israel Hospital/Beth Israel Deaconess Medical Center. Between 1996-2005, I served as a tutor in Doctor-Patient III for the Health Sciences and Technology academic society. Beginning in 1997, I served as the Senior Fellow for HST in Patient-Doctor III and was a member of the Policy Group that directed the course. My service on the Curriculum Committee for HST permitted me to participate in educational reform and curricular innovation. I also taught in the HMS elective, *The Healer's Art*, from 2002-2004, and taught as a guest lecturer in several HMS Continuing Education Courses and in the HMS elective, *Mind-Body Medicine* (H. Benson, Course Director). Between 2010 and 2012, I consulted to the MGH Academy under Dr. Robert Birnbaum's direction in the development of simulations for use in psychiatry postgraduate and continuing medical education at MGH.

Beginning in 1999 and until June 2015, I directed a trans-faculty course in the Division of Health Sciences and Technology -- HST921, *Enabling Technology Innovation in Healthcare and the Life Sciences*. Students registered from schools and departments of both Harvard and MIT with lectures by Harvard and MIT faculty, guest lecturers from industry, and undertake a design project in which interdisciplinary student teams collaborated to design an IT application to solve a present or future health care problem. This course was held at MIT's Sloan School and was also an elective in MIT's Bioastronautics Training Program, Sloan Biomedical Enterprise Program, and the joint MD/MBA program. Currently, I am a mentor at the Harvard Innovation Laboratory.

At the national level, I have taught many workshops in behavioral medicine around the US and abroad. In 2006, I organized and co-led roundtables on medical education reform and the biopsychosocial aspects of disasters, terrorism, and outbreaks at the annual meeting of the American Psychosomatic Society (APS). In addition, after chairing the APS task force on dissemination of evidence-based behavioral interventions, I organized and chaired workshops and several symposia on dissemination strategies for the APS annual meetings. I also serve on the APS Professional Education Committee and am one of the editors of a forthcoming APS textbook for medical students, *Behavioral and Social Sciences in Medicine*, (Springer, expected 2018). I recently co-authored a chapter in the third edition of the Oxford University Press textbook, *Psychiatric Care of the Medical Patient*, edited by Donna Greenberg and Barry Fogel

(2015) and a chapter in *Career Paths in Telemental Health* edited by Maheu MM, Drude KP, and Wright SD (2017). I was the program chair for the Annual Summit on Behavioral Telehealth: Technology for Behavior Change and Disease Management, held in Boston 2007 and 2008 at the Harvard Conference Center. I am frequently invited to speak at or chair sessions at national meetings, courses and workshops in the area of behavioral telehealth and health informatics, including the Partners Connected Health Symposium, past HMS post-graduate courses on e-Health and Massachusetts Medical Society conference on telemedicine 2020.

Currently, my **research interests** are in applied clinical informatics and integrated behavioral health in primary care. My research focus has been on the use of behavioral informatics and behavioral medicine to improve the care of patients with chronic medical illness. During the past 20 years I have been a PI, co-investigator or consultant on clinical research studies: 1) an NSBRI-funded project to develop NASA's onboard mental health system for long-duration spaceflight; 2) an NIMH-funded study to develop and evaluate the effectiveness of a telemedicine system for monitoring the care of patients with depression; 3) an NLM-funded study to evaluate the impact of patient self-assessment, using an e-health portal linked to the patient's electronic medical record on the physician-patient encounter during an initial primary care office visit; 4) an NIMH-funded study of a decision support system for managing comorbid depression among patients with chronic medical conditions in a disease management program at Harvard Pilgrim Health Care, 5) a CDC-funded study of mental disorders in the workplace; 6) PI on a two-year study to develop and evaluate a method for teaching physicians how to manage a medical error disclosure conversation with standardized patients at the Center for Medical Simulation; 9) PI on two SBIR grants from NIMH to develop and evaluate a computer-assisted system for managing adolescent depression in pediatric primary care.

My **clinical contributions** include my past role as a clinical chief of behavioral medicine at Harvard Pilgrim Health Care and Harvard Vanguard Medical Associates (1995 through 2001) where I led in the development of innovative, evidence-based mind/body medicine programs for the management of chronic medical conditions. Currently, my clinical activities include a part-time private practice in primary care psychiatry and behavioral medicine in Longmeadow, MA. I provide clinical leadership in my consultations to health care organizations and businesses seeking to integrate behavioral health into primary care. I was the founder and Chief Medical Officer (CMO) of iHope Network, Inc. (Beverly, MA), a telebehavioral health company that delivered teleCBT to primary care patients and students in partnership with healthcare organizations and university counseling centers using technology-guided care, evidence-based protocols and decision support. I also am an advisor to several early-stage digital mental health companies that use clinical informatics and technology to address behavioral issues in healthcare.

My **community service** includes past volunteer activity at the interface of psychiatry and public health at the local, state, and federal levels. I served as Vice-Chair of the Wayland Board of Health 2002-2005 where I initiated a strategic planning review and developed the *Healthy Wayland 2010* initiative, including chairing Wayland's first health fair. I served on two working groups of the MA Department of Public Health Bioterrorism Preparedness and Response Advisory Committee, the Local Emergency Planning Committee in Wayland, and was

commissioned by the CDC and the American Psychosomatic Society (APS) in 2003-2004 to organize expert panels and produce a consensus white paper on Psychosocial Dimensions of Biodefense Response and Public Health Preparedness which was presented to the CDC in March, 2003 and delivered as my Presidential Address at the APS 2004 annual meeting. In 2006, I was in the first class of fellows in the MetroWest Community Healthcare Foundation's Leadership Program. I have been a member of a leadership group that has planned a series of pandemic flu simulation exercises to enhance local planning and preparedness for pandemic flu. I served as co-chair of the Wayland Pandemic Flu Task Force, leader of the medical unit for Wayland's Community Emergency Response Team, and served on the Executive Committee of the Medical Reserve Corps in Wayland.

B. Funding Information (no current research funding)

1976-1977	NIMH/GRSG	PI	
	Effect of life change stress on immune response to swine flu vaccination		
1980-1984	NCI/R23 (Young Investigator Award)	PI	
	Stress and Human Cell-Mediated Immunity		
1983-1986	Institute for the Advancement of Health	PI	(Education)
	Psychological and behavioral treatments for medical disorders		
1984-1985	NIMH/RO3	PI	
	The effects of hypnosis on delayed hypersensitivity		
1985-1986	The Kroc Foundation	PI	
	Hypnosis and cell-mediated immunity		
1986	Astra Pharmaceutical Corporation	PI	(Education)
	Control of pain		
1988	The Fetzer Foundation	PI	
	Self-regulation of human immune function		
1988-1989	The Kettering Foundation	PI	
	Effect of hypnotic suggestion on delayed-type hypersensitivity		
1988-1989	The Institute of Noetic Sciences	PI	
	Hypnosis and delayed-type hypersensitivity II		
1991-1993	The Fetzer Institute	PI	
	Effect of hypnosis on delayed-type hypersensitivity		
1991-1993	The Institute of Noetic Sciences	PI	
	Effect of hypnosis on delayed-type hypersensitivity		

1993	The Fetzer Institute Chronic fatigue syndrome	PI	(Education)	
1990-1994	The Kettering Foundation Effect of hypnotic suggestion on delayed-type hypersensitivity	PI		
1994-1995	Pacific Bell Marketing analysis for consumer health informatics	PI		
1995-1999	The Koop Institute Advanced Technology Program II, Health Object Library OnLine (HOLON), National Institute of Standards in Technology, U.S. Department of Commerce	Co-Investigator		
1998-2001	Robert Wood Johnson Foundation A Controlled Clinical Trial of a Behavioral Medicine Program for Somatizing Outpatients Identified by a Brief, Self-administered Screening Questionnaire	PI		
1998-2001	Harvard Pilgrim Health Care Foundation A Controlled Clinical Trial of a Behavioral Medicine Program for Somatizing Outpatients Identified by a Brief, Self-administered Screening Questionnaire	PI		
1998-2003	National Institute of Mental Health A Program of Mental Health Services Research in Managed Care, Research Infrastructure Support Program (Harvard Pilgrim Health Care)	Co-investigator		
2000-2003	Robert Wood Johnson Foundation Effectiveness of Telephone Counseling in Managing Depression Associated with Chronic Medical Illness	Co-investigator		
2001-2004	National Institute of Mental Health Telecom System to Improve Adherence to Antidepressants	Consultant		
2003-2008	National Institute of Mental Health System of Care for Depression in Chronic Illness. IP-RISP	Consultant		0.2 FTE
2004-2009	National Space Biomedical Research Institute Self-guided depression treatment on long-duration space flights: A continuation study.	Co-investigator		0.15 FTE
2004-2007	National Library of Medicine Cybermedicine for the Patient and Physician	Co-investigator		0.2 FTE
2007-2009	Physicians Foundation for Health Systems Excellence Teaching disclosure of medical errors in a high-fidelity simulation	PI		0.2 FTE

2009	National Institute of Mental Health Information Technology Enabled Treatment of Adolescent Depression (SBIR, Phase 1)	PI	0.2 FTE
2011-2014	National Institute of Mental Health Information Technology Enabled Treatment of Adolescent Depression (SBIR, Phase 2)	PI	0.2 FTE

C. Report of Past Research Activities

1. Information Technology Enabled Disease Management System for Adolescent Depression (ITEMS-AD) (NIMH 1 R43 MH085350-01, PI)
2. Teaching Disclosure of Medical Errors in a High-Fidelity Simulation (HMS, PI)
3. A Controlled Clinical Trial of a Behavioral Medicine Program for Somatizing Medical Outpatients Identified by a Brief, Self-administered Screening Questionnaire (HPHC, PI)
4. Automated Assessment of Mental Health Disorders in the Workplace (BMC, Consultant)
5. Cybermedicine for the Patient and Physician (BIDMC, Consultant, Co-investigator)
6. Development of an On-Board Mental Health System for Long-Duration Space Flight (BIDMC, Co-investigator)
7. A System for Patient-Centered Management of Major Depression (HPHC, Co-investigator)
8. Telephonic System to Improve Adherence to Antidepressants (BMC, Consultant, Co-Inv.)

D. Report of Teaching

1. Local contributions

1986-1995

Psychopathology and Introduction to Clinical Psychiatry PS 700 M.J

Site Director, Beth Israel Hospital, Lecturer, and Tutor

20-22 medical students per year (2 sections, Fall & Spring)

90 hours/year as Site Director; 30 hours/year as Lecturer; 30 hours/year as Tutor

Developed and conducted final examination for entire course, 1994

1990-1995

Core Clerkship in Psychiatry PS500M.1

Clerkship Director and Tutor

20-40 medical students/year

40 weeks/year as Clerkship director; 20 hours/year as Tutor

Innovated student choice of three tracks: C/L, Inpatient, E.U./Crisis Service

1990-1995

Consultation-Liaison Psychiatry in the General Hospital PS501M.1

Course Director and Tutor

4-8 medical students/year

20-24 weeks as Course Director; 10-12 weeks as Tutor

1990

Advanced Clinical Psychiatry PS503M.1

Course Director and Tutor

4-8 medical students/year

20-24 weeks as Course Director; 10-12 weeks as Tutor

1991-1995

Research in Behavioral Medicine and Psychobiology PS522M.1

Course Director, Lecturer, Tutor, Preceptor

2-4 students per year (first registrants in 1995)

8 weeks per year as Course Director; 8 hours/year as Lecturer; 16 hours/year as

Tutor; 8 hours/year as Preceptor; Developed this course as new offering

1993-1997

Readings in Psychiatry PS717.1

Course Director and Tutor

1 medical or public health student per year

10-20 hours/year

1996-2005

Patient Doctor III

Tutor, HST (Senior Fellow) and Cannon Society (Fellow) sections

10-12 HMS students/year

100 hrs/year

1998-2015

Enabling Technology Innovation in Healthcare and the Life Sciences (formerly, Information Technology in the Healthcare System of the Future HST 921, 923

<http://web.mit.edu/hst.921/www/>

Course Director, since February, 1999. Meets each spring for 3 hrs per week for 14 weeks

10-25 students annually from HMS, HSPH, KSG, FAS, HGSE, HBS, MIT, Sloan

150 hrs/year

2002-2005

Harvard Macy Institute, Physician-Educators Program

Project Group Leader

4-5 Macy Scholars per year

20-25 hrs/year

2003-2005

The Healer's Art

Tutor

4 students/year

20 hrs/year

2004-2006

HST.S11, The Art and Science of Medicine
 Massachusetts Institute of Technology and Harvard Medical School
 Lecturer
 10-12 students
 2 hrs/year

2007 (Summer)

HST.198, Special Topics in Health Sciences and Technology
 Massachusetts Institute of Technology and Harvard Medical School
 Lecturer
 2 students
 10 hours

2010

Harvard University Extra-Departmental Course 187, The Quality of Health Care in America
 David Blumenthal, Donald M. Berwick, Howard H. Hiatt, and Warner Slack
 Lecturer
 35 students
 2 hrs/year

Teaching Leadership within the Department, Beth Israel Deaconess Medical Center, Harvard Vanguard Medical Associates, Harvard Pilgrim Healthcare, and Harvard Medical School:

1980-1985

Psychiatry Consultation Service
 Associate Director 1980-1982, Acting Director 1982-83, Associate Director 1983-85
 0-2 medical students, 3 residents, 2 fellows (1980-82)
 12 months/year

1980-1982

Psychiatry Consultation Service Seminars
 Organizer and Presenter, multiple topics
 12 residents and 2 fellows per year
 12 months/year

1989-1995

Director of Medical Student Education, Department of Psychiatry, Beth Israel Hospital
 Develop and organize courses; select, recruit, and supervise faculty; evaluate students and faculty; liaison with other Directors and HMS committees. Created two new courses, developed final exam for HMS Psychopathology course (PS700 M.J), created three distinct clinical tracks for core clerkship

1996-2000

Member, Planning Committee, Mental Health Day Conference, Harvard Pilgrim Health Care

1999-2001

Program Chair and organizer, Harvard Forum on Cybermedicine, Institute of Cybermedicine, Harvard Medical School Department of Psychiatry

2005-

Graduate Education Program in Bioastronautics (Harvard/MIT Division of HST)
Core Faculty

Leadership Roles:

1991-1995

Co-Director, Psychotherapy and Medical Illness (HMS Continuing Education course). Co-develop and help organize annual postgraduate medical education course: plan curriculum, select and recruit faculty, evaluate teaching effectiveness.

1993-1996

Co-Director and Founder, Computers in Psychiatry Forum, Center for Clinical Computing. Organize colloquia, select and recruit speakers, chair meetings.

Advising Responsibilities:

1987-2001

ABP&N Board Examination preparation tutor

1990-1993

Cannon Society Fellow

1993-1998

Health Sciences and Technology Society Fellow (Senior Fellow, 1997-2005)

2007-2008

Massachusetts Institute of Technology, Pre-Health Advisor

2. Regional, National, and International Contributions

Invited Lectures

177 presentations including 8 post-graduate courses (director or workshop leader), 59 workshops, 6 keynote addresses, 1 presidential address, 68 invited lectures and grand rounds, in North America, Europe, Middle East, and Asia.

Leadership Positions

1981-1982

Program chairman, Mind and Immunity: The Impact of Brain and Behavior on Immunity to Disease, New York Academy of Medicine (first conference in North America on psychoneuroimmunology).

1982-1983

President, Massachusetts Biofeedback Society

1985-1989

Founding Director, Macintosh Health Care User Group, Boston Computer Society. Organize program, select and recruit speakers, chair meeting, edited monthly newsletter, maintained public domain software library

1990-1992

Organizing Committee, International Congress "Cancer AIDS, and Society: Integrating Science, Medicine, and Health Policy", International Council for Global Health Progress, Paris, France, 1992.

1993-1998

Chair, Public Information Committee, American Psychosomatic Society
Responsible for education of public about the field. Instituted system for mailing press releases to science writers in advance of annual meeting. Developed annual Public Service Award for advancing public knowledge of the field. Organized workshops on Media Relations and Slide Presentations.

1994-1996

Chair, National Information Infrastructure (NII) Awards
Personal Health Information Systems category. Semi-finals judge

1994

Chair, Risk Assessment Group, Conference on Computerized HIV/AIDS Risk Assessment and Counseling, University of Illinois, Urbana-Champaign, IL (Sponsored by the CDC)

1995-1997

Co-Chair, IEEE Medical Technology Policy Committee
Subcommittee on Personal Health Information Systems, Washington, DC

1996-1998

Co-Chair, Global Information Infrastructure Awards (GII)
Semi-finals judge for health

2000

Organizer and Moderator, Symposium, Psybersomatic Medicine - Clinical Application and Scientific Evaluation of Internet Resources in Mental Health and Chronic Illness, Annual Meeting, American Psychosomatic Society, Savannah, GA, March 13, 2000.

2001

Organizer and Moderator, Institute of Cybermedicine Forum, Online Therapy: Current Trends, Challenges, and Future Directions, Harvard Club (Boston), February 13, 2001

Organizer, Institute of Cybermedicine Forum, Genomics and Human Behavior. Harvard Faculty Club, May 1, 2001

Organizer and chairperson, symposium, Managing the Adverse Impact of Comorbid Depression on the Outcome of Chronic Medical Conditions, Annual Meeting, Disease Management Association of America, New Orleans, October 11, 2001

Special interest track chair, Internet Track, Annual Conference, Behavioral Healthcare Tomorrow/Behavioral Informatics Tomorrow, Washington, DC, October 8-10, 2001

2002

Organizer and chairperson, Symposium: Evidenced-based Approaches to the Management of High-Utilizing, High-Cost, Somatizing Patients, 60th Annual Meeting, American Psychosomatic Society, Barcelona, Spain, March 16, 2002

Organizer and chairperson, Workshop: Three Approaches to the Management of High-Utilizing, High-Cost, Somatizing Patients, 60th Annual Meeting, American Psychosomatic Society, Barcelona, Spain, March 16, 2002

Organizer and chairperson, symposium, Managing Co-Morbid Depression and Anxiety in Patients with Chronic Disease: How Are We Doing?, Annual Meeting, Disease Management Association of America, New Orleans, October 11, 2001

2003

Organizer and chairperson, Workshop: Biopsychosocial Management of Irritable Bowel Syndrome and Other Functional Gastrointestinal Disorders, 60th Annual Meeting, American Psychosomatic Society, Phoenix, AZ, March 8, 2003

Organizer, Roundtable Luncheon, Biopsychosocial Consequences of Disasters and Terrorism, 60th Annual Meeting, American Psychosomatic Society, Phoenix, AZ, March 8, 2003

Organizer and Co-Chair, Psychosocial Dimensions of Biodefense and Public Health Preparedness conference, Georgetown University Medical Center, Washington, DC, June 12, 2003 and November 10, 2003

2004

Co-chair, organizing committee, First Annual Leadership Summit: Comorbid Depression and Chronic Illness. Disease Management Association of America, Washington, DC, June 7-8, 2004

Chair, Behavior Track (Depression), Disease Management Association of America, 6th Annual Disease management Leadership Forum, Orlando, FL, October 20-23, 2005. Organized and chaired six concurrent sessions.

2005

Co-organizer and co-chair, roundtable seminar: Task Force on Biopsychosocial Consequences of Disaster and Terrorism. 62nd Annual Meeting, American Psychosomatic Society, Vancouver, BC, March 4, 2005.

2006

Co-organizer and co-chair, roundtable seminar: IOM's Medical Education Agenda: challenging the hegemony of the biomedical model in undergraduate medical education. 63rd Annual Meeting, American Psychosomatic Society, Denver, CO, March 4, 2006.

Co-organizer and co-chair, roundtable seminar: Mobilizing to Address Biopsychosocial Consequences of Disaster and Terrorism. 63rd Annual Meeting, American Psychosomatic Society, Denver, CO, March 3, 2006.

Organizer and Chair, Panel on Pandemic Flu Preparedness for Businesses: "Hope is Not a Strategy." 8th Annual Disease Management Leadership Forum, Denver CO, December 3, 2006.

2007

Co-organizer and program chair, national conference, Inaugural Summit on Behavioral Telehealth: Technology for Behavior Change and Disease Management, Boston, May 31-June 1, 2007

Organizer and co-chair with Wayne Katon, MD, Roundtable Seminar: Psychosomatic Medicine and Disease Management, 64th Annual Meeting, American Psychosomatic Society, Budapest, Hungary, March 9, 2007.

Planning group, Massachusetts Psychiatric Society, Training Program in Disaster Psychiatry for psychiatry residents.

Panelist, CIMIT Innovation Congress: Driving Change in Healthcare, Nov. 13-14, 2007

Chair, Healthcare and Life Sciences Panel, Sloan-MIT CIO

2008

Co-organizer and program chair, national conference, Second Annual Summit on Behavioral Telehealth: Technology for Behavior Change and Disease Management, Boston, June 2-3, 2008

Moderator, Panel: Healthcare and Life Science - Enabling Innovation In The Face Of Increasing Data Complexity, MIT CIO 2008 Symposium, May 21, 2008

Workshop Chair, Fifth Annual Healthcare Unbound conference: Innovative Technologies for Patient Self Management, San Francisco, July 8, 2008.

Workshop co-chair, Advances in Behavioral Telehealth, in Harvard Medical School Continuing Medical Education course, Patient-Centered Computing and eHealth: Transforming Healthcare Quality.

Moderator, Panel: Wireless and Mobile Services for Connected Health: What's Happening Now? at Partner's Health Care Connected Health Symposium, Who Provides, Who Decides, Who Pays: Consumers, Clinicians & Business Models in the Connected Care Era October 27, 2008.

2009

Organizer and presenter, Lab To Market Roundtable Lunch, Annual Meeting, American Psychosomatic Society, Chicago, IL, March 6, 2009.

Workshop co-chair, Advances in Behavioral Telehealth, in Harvard Medical School Continuing Medical Education course Patient-Centered Computing and eHealth: Transforming Healthcare Quality, Boston, MA, May 1-3, 2009.

Workshop chair, Innovations in Technology-enabled Patient Self Management, Sixth Annual Healthcare Unbound Conference, Seattle, WA, June 22-23, 2009

Organizer and Chair, panel: Behavioral Health and Telehealth: Assessing the Market and Charting the Way Forward, Sixth Annual Connected Health Symposium, October 21-22, 2009.

2010

Workshop co-chair, Advances in Behavioral Telehealth, Steven E. Locke, MD, Lee Baer, PhD, Harvard Medical School Continuing Medical Education course, Patient-Centered Computing and eHealth: Transforming Healthcare Quality, Boston, MA, May 2, 2010.

Organizer, Lab To Market Roundtable 2010, Facilitators: Steven Locke, MD (Chair); Wayne Katon, MD; Jürgen Unutzer, MD; Steven Cole, MD; Discussant: Kurt Kroenke, MD. Annual Meeting, American Psychosomatic Society, Portland, OR, March 12, 2010.

Co-organizer, How Can We Impact Community Clinical Practice? The Challenge of Dissemination. Symposium at Annual Meeting, American Psychosomatic Society, Portland, OR, March 13, 2010.

Invited Lecturer, Clinical Performance Management: Return on Investment Considerations, in session on Intelligent Healthcare, Saudi e-Health Conference 2010, Riyadh, Saudi Arabia, May 3, 2010.

Panelist, Making Health Contagious: Can We Change People's Behavior by Influencing Their Social Networks? And If We Can, Should We? Seventh Annual Connected Health Symposium: Reform's New Focus on Health and Wellness, Independent Aging, Chronic Condition Self-Care and the Tools That Support Them, Boston, MA, October 21-22, 2010

2011

Workshop Chair, Teaching Medical Error Disclosure and Apology Using High-Fidelity Simulation, International Meeting on Simulation in Healthcare, New Orleans, LA, January 24, 2011.

Organizer and facilitator, Lab To Market Roundtable 2011, Annual Meeting, American Psychosomatic Society, San Antonio, TX, March 10, 2011.

Workshop Chair, Lab to Market: The Roadmap for Successful Commercialization of Behavioral Interventions. Steven Locke, MD and David Gruber, MD, MBA. Annual Meeting, American Psychosomatic Society, San Antonio, TX, March 9, 2011.

Workshop co-chair, Advances in Behavioral Telehealth, James Cartreine, PhD and Steven E. Locke, MD in Patient Centered Computing and eHealth: Transforming Healthcare Quality, Harvard Medical School, Continuing Education Course, May 7, 2011.

2012

Lecture, Technology's Role in Integrating Mental Health into Primary Care, at Transforming Mental Health in America — Connecting to Create Healthier Communities. Thomas Jefferson University, Philadelphia, PA, February 10, 2012.

Organizer and facilitator, Lab To Market Roundtable 2012, Annual Meeting, American Psychosomatic Society, Athens, Greece, March 16, 2012.

Organizer and presenter, Peter Sifneos Memorial Symposium on Alexithymia, Annual Meeting, American Psychosomatic Society, Athens, Greece, March 15, 2012.

Lecture, The Hidden Costs of Depression, Massachusetts Technology Leadership Council, Waltham, MA, April 24, 2012.

Lecture, Tackling the Hidden Costs of Depression, Massachusetts Health Data Consortium, Waltham, MA, June 1, 2012.

2013

Lecture, Attention Deficit Hyperactivity Disorder, Primary Care Associates, Mass General West, Waltham, MA, January 9, 2013.

Organizer and facilitator, Lab To Market Roundtable 2013, Annual Meeting, American Psychosomatic Society, Miami, FL, March 15, 2013.

2014

Workshop organizer, Lab-to-Market in Psychosomatic Medicine —Strategies for Sustainable Dissemination. Faculty: Steven Locke, MD, Wayland, MA and Jan P. Barker, RN, FNP, MS. Annual Meeting, American Psychosomatic Society, San Francisco, CA, March 12, 2014

2015

Organizer and chair, Paper Session: Technology In Health Interventions, Annual Meeting, American Psychosomatic Society, Savannah, GA, March 19, 2015.

Organizer and chair. Lab to Market V Roundtable: How to Successfully Disseminate Evidence-based Behavioral Interventions Using an Integrative Model, Annual Meeting, American Psychosomatic Society, Savannah, GA, March 20, 2015.

Lecturer. Innovation in Mental Health Treatment, Shenzhen, China, April 10, 2015

2016

Lecturer, Telemental Health For Whom, What and When? Conference, Telemental Health: Expanding the Digital Frontier, William James College, Newton, MA September 23, 2016.

Chair, Panel Discussion: Regulations, Licensure, Interstate Issues, Reimbursement, Conference, Telemental Health: Expanding the Digital Frontier, William James College, Newton, MA September 23, 2016.

Panelist: Massachusetts Medical Society's Physician Focus, "Telemedicine", Cable TV show and Webcast, October 2016. <http://www.hcam.tv/physician-focustelemed>

2017

Co-Chair (with Eva Szigethy), workshop: Harnessing Technology to Facilitate Behavioral Health Integration: Successes, Lesson Learned, and Future Direction. American Psychosomatic Society, 75th Annual Scientific Meeting: Mobilizing Technology to Advance Biobehavioral Science and Health, March 15, 2017, Seville, Spain.

Panelist, Technology and Real-time Data: Advancing Patient Care, Joseph Ternullo, Chair. New England Healthcare Executive Network, Boston, MA June 5, 2017.

2018

Presentation, TeleCBT for Depression in End Stage Renal Disease. Weekly seminar of the Institute for Technology in Psychiatry, McLean Hospital, Belmont, MA September 5, 2018.

Presenter and panelist, Conference: Growing and Shaping the Internet of Things: Wellness and Care Ecosystem Enablers and Barriers. OECD-GCOA-Cornell-Tech Expert Consultation, Cornell Tech, Roosevelt Island, NY October 5, 2018.

Presenter, Integrated Behavioral Health: How Technology Facilitates Collaborative Care. Grand Rounds, Division of General Internal Medicine, Beth Israel Deaconess Medical Center, Boston, MA October 19, 2018.

2019

Presentation, Telepsychiatry Practice, Southeastern Massachusetts Chapter, Massachusetts Psychiatric Society, South Yarmouth, MA, March 6, 2019.

Presentation, Quality Processes and Metrics for Integrated Telebehavioral Health, New England HIMSS RI Telehealth and Cybersecurity Educational Event, Newport, RI, August 22, 2019.

Presentation, Risk Communication and Telemedicine, Disaster Readiness Conference, Massachusetts Psychiatric Society, Waltham, MA, October 5, 2019.

Panelist, Careers in Psychiatry, Early Career Interest Group, Massachusetts Psychiatric Society, Waltham, MA, October 26, 2019.

2020

Presenter, online Workshop on e-Prescribing, Massachusetts Psychiatric Society, August 18, 2020

Presenter, online Workshop on e-Prescribing, Massachusetts Psychiatric Society, October 28, 2020.

2022

Organizer and presenter, workshop, Telemedicine and Digital Health: New Clinical and Revenue Models for Psychosomatic Medicine. Annual Meeting, American Psychosomatic Society, Long Beach, CA, March 25, 2022.

Organizer and presenter, symposium, Bench to Market: addressing the challenges of commercialization as a strategy for dissemination of evidence-based interventions. Annual meeting of the International Society for Research on Internet Interventions, Pittsburgh, PA, September 19, 2022.

2023

Presenter, Behavioral Health Care Model Redesign (panel), Mid-Atlantic Telemedicine Resource Center (MATRC) Annual Summit, Norfolk, VA, March 16, 2023

Organizer and presenter, workshop: The Coming Revolution in Primary Care and Population Health Management: How to Integrate Behavioral Health into Chronic Condition Management. Mid-Atlantic Telemedicine Resource Center (MATRC) Annual Summit, Norfolk, VA, March 16, 2023

3. Description of Teaching Awards Received

- 1989 Nominee, S. Robert Stone Teaching Award, Beth Israel Hospital
- 1993 Nominee, S. Robert Stone Teaching Award, Beth Israel Hospital

4. Description of Major Curriculum Offerings, Teaching Cases, or Innovative Educational Programs Developed

1. HST.921 Enabling Technology Innovation in Healthcare and the Life Sciences (see Narrative), 1999-2015.
2. Dean's Clerkship Innovation Award, Teaching the Mental Status Exam Using Interactive Multimedia, first runner-up, 1998.
3. Contributing editor, *doc.com*, an interactive learning resource for healthcare communication. *doc.com* is a joint production of the American Academy on Communication in Healthcare and the Drexel University College of Medicine, funded by the Arthur Vining Davis Foundations. Authored the interactive module on Anxiety and Panic Disorder (October, 2006; updated 2015).
4. Led team at the Center for Medical Simulation that developed a brief training for medical error disclosure and apology training for use in a medical simulation training program. Oversaw the production of a pocket card for use in guiding medical error disclosure and apology (2007-2008).
5. Research psychiatrist, MGH Psychiatry Academy, development of interactive online simulations for psychiatry in postgraduate and continuing medical education, 2009-2011.
6. Course director, advanced seminar in Cognitive Behavior Therapy for PGY-III residents, Beth Israel Deaconess Medical Center, Psychiatry Residency Training Program, 2018-2019. Development of course curriculum and syllabus (current).

E. Report of Clinical Activities

1. Description of clinical practice: adult psychiatry with subspecialty interest in primary care psychiatry and psychosomatic/behavioral medicine. Provide psychiatric consultation,

evaluation, and treatment to primary care group practices. Includes telemedicine practice. Site: private office, Longmeadow, MA.

2. Patient load: 15-20 patients per week (part-time practice). Complexity: moderate.

3. Clinical contributions:

Past:

- a) innovative leadership at HVMA on diabetes disease management team where led effort to screen patients for depression and refer for treatment in stepped-care model; b) pioneered successful case-finding approaches for identifying high-cost, high utilizing, somatizing patients and enrolling them in an evidence-based, clinically and cost-effective behavioral medicine group program;
- c) led clinical team that developed novel behavioral medicine programs for fibromyalgia, chronic fatigue, TMJ, irritable bowel syndrome, and headache at HVMA;
- d) founded and led clinical biofeedback program at Beth Israel Hospital in the 1980s;
- e) Pioneered the use of a computer-assisted interview to screen prospective blood donors for the risk of transmitting HIV with their blood donation, 1992;
- f) Developed the Stress Disorders Program at Beth Israel Hospital in the 1980s;
- g) Created and led expert panels that developed strategies and tools for triaging patients in the event of bioterrorism or infectious disease outbreaks such as pandemic flu (2004);

Current:

- 1) Developing computer-based systems with decision support tools to integrate behavioral health into primary care for the collaborative management of depression and other mental disorders.
- 2) Production and implementation of evidence-based clinical protocols for teledelivered treatment of comorbid mental disorders and chronic medical conditions (e.g., cancer, CHF, ESRD)

4. Consulting: clinical or science consultant to Tufts Health Plan, Blue Cross Blue Shield of Massachusetts, Harvard Pilgrim Health Care, UPMC, XLHealth, Health Dialog, Matria Healthcare, Healthways, Genzyme, Pfizer Health Solutions (disease management and behavioral health); Commonweal (behavioral oncology); Proctor & Gamble, Inc. (compliance and adherence); Talisman, Ltd. (computer-assisted blood donor screening); Infomedics, Inc; (pharmaceutical research); Magellan Health Services, Beacon Health Strategies, Otsuka-US Pharmaceuticals, Mensante Corp. (FeelingBetterNow.com), LifeOptions Group, Samsung (behavioral telehealth), Frame Health, Ginger, Headspace Health, Momentu, Amelia Virtual Care, Caregenix. Research consultant to Medical Information Systems Unit, Boston Medical Center, and Harvard Pilgrim Health Care, Department of Population Health, and UMass Medical Center.

5. Former Chief Medical Officer at iHope Network, overseeing the development and implementation of tele-delivered CBT to patients referred by their primary care clinicians.

6. Service on Scientific Advisory Boards

Institute for the Advancement of Health (1982-1992)

Matria Healthcare (2005-2007)

XL Health (2004-2008)

Infomedics (2003-2007)

LifeOptions (2006-2010)

Frame Health (2017-)

Practice Fusion (2021-)

PART III: Bibliography

Original Articles

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3. Locke SE, Kraus L, Lesserman J, Hurst MW, Heisel JS, Williams RM. Life change stress, psychiatric symptoms and natural killer cell activity. *Psychosom Med* 1984;46:441-453.
4. Hutner NL and Locke SE. Health locus of control: a potential moderator variable for the relationship between life stress and psychopathology. *Psychother Psychosom* 1984;186-194.
5. Heisel JS, Locke SE, Kraus LJ, Williams RM. Natural killer cell activity and MMPI scores of a cohort of college students. *Amer J Psychiat* 1986;143:1382-86.
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7. Jemmott JB III, Hellman C, McClelland DC, Locke SE, Kraus LJ, Williams RM, Valeri CR. Motivational syndromes associated with natural killer cell activity. *J Behav Med* 1990;13:53-74.
8. Locke SE, Fox BH. The impact of stress on the clinical presentation of melanoma (discussion). *Plastic Reconstruct Surg* 1992;90:62-64.
9. Locke SE, Kowaloff HB, Hoff RG, Safran C, Popovsky MA, Cotton DJ, Finkelstein DM, Page PL, Slack WV. Computer-based interview for screening blood donors for risk of HIV transmission. *J Amer Med Assoc* 1992;268: 1301-1305. (Also, reprinted with permission in the Yearbook of Medical Informatics. vanBemmel JH, McCray AT, eds. Stuttgart: Schattauer Verlagsgesellschaft mbH 1993;93-97
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11. Locke SE, Kowaloff HB, Hoff RG, Safran C, Popovsky MA, Cotton DJ, Finkelstein DM, Page PL, Slack WV. *MD Comput.* 1994 Jan-Feb;11(1):26-32.
12. Locke SE, Ransil BJ, Zachariae R, Molay F, Tollins K, Covino NA, Danforth D. Effect of hypnotic suggestion on the DTH response in a group of highly hypnotizable, physiologically responsive subjects under controlled conditions. *J Amer Med Assoc* 1994;272:47-52.

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14. Locke SE, Harper GP. The hidden curriculum. *Medical Encounter* 2002: Summer: 6-8.
15. Locke SE, Ford P, McLaughlin T. A comparative cost analysis of participating versus non-participating somatizing patients referred to a behavioral medicine group in a health maintenance organization. *Disease Management and Health Outcomes* 2003;11(5): 327-335
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25. Farzanfar R, Locke SE, Heeren TC, Stevens A, Vachon L, Thi Nguyen MK, Friedman RH. Workplace Tele-communications technology to identify mental health disorders and facilitate self-help or professional referrals. *Am J Health Promotion* 2010; 25(3):207-16.
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5. Locke SE. Brain, behavior and immunity. Proceedings, 13th International Cancer Congress, Seattle, 1982.

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