Secretory of Labor v. Wal-Mart Stores, Inc.
OSHRC Docket No. 09-1013
Reply Brief for Respondent

Exhibit C
Expert Report of Arthur J. Barsky, M.D.

Filed on October 21, 2011
(i) Statement of opinions

In my opinion, the crowd behavior exhibited in this case resulted from a cascade of numerous, unlikely and improbable events that occurred in the context of the unpredictable irrationality of individual behavior in crowds. These factors indicate to me that the results of this crowd behavior could not have reasonably been anticipated or prevented.

The crowd behavior exhibited in this case has been termed “acquisitive panic” or “acquisitive mob behavior”. It occurs when individuals within a crowd are in competition for a prized resource, such as the distribution of food, or access to entertainment and sporting events. Acquisitive panic is an evolving process that develops in two phases. In the first phase, numerous individuals mill around in a somewhat disorganized and non-coherent form. An event or events then occur that galvanize the crowd and precipitate the second, post-ignition phase in which the group engages in violent or dramatic behavior. Methods for dealing with the first phase are referred to as “crowd management” and widely accepted principles of crowd management have been described and prescribed. These methods are directed at conveying a sense of order and control. They are not designed to prevent the second phase of behavior from occurring. This second phase, the acquisitive panic, consists of aberrant behavior, and is exceedingly rare. Once it has been ignited, however, there is little empirical evidence for the effectiveness of any crowd control strategy other than a massive show of force by law enforcement authorities.
In the case at hand, there was insufficient reason to expect or anticipate that the second phase of acquisitive mob behavior would be ignited, and once it did occur there was little that management could have done to avoid the outcome.

The general observation regarding gatherings of individuals in competition for some desired resource (concert seats, food, fuel, merchandise on sale) is that antisocial violence is rare and helpful and even altruistic behavior often occurs (Reicher, 2003; Johnson, 1987; Raphael, 2005; McPhail, 2007). McPhail notes that “violence is the exception rather than the rule in most gatherings,” and that gatherings and dispersals at sports stadiums, university lecture halls, and movie theaters happen routinely and without incident. Convivial gatherings of university students (e.g., celebrations following sporting victories) also share some features with these sales events: There is a generally festive atmosphere, they are not planned in advance, and there are no leaders or organization. And indeed, while “as the number of participants increases, there is a greater likelihood that some private property will be destroyed,” there is a marked difference in violence directed to property and violence directed to persons, in that an increased gathering size does not yield an increase in violence against persons (Martin et al, 2009).

These observations are borne out by the overall experience of the retail industry with “door-buster” and “midnight madness” sales, where serious physical violence or serious injury is rare, and death almost unheard of. This is particularly noteworthy in light of the vast number of such sales that occur repeatedly, all across the United States every year. Thus there was no reason to expect this particular sale was likely to result in death or serious physical harm, nor was there reason for undue alarm initially.

Several unforeseeable, unlikely, independent, incendiary events occurred during the course of the night as the crowd gathered, that culminated in the acquisitive panic that erupted at
5:00 AM. These included: (1) The unexpectedly large size of the crowd; (2) At least one violent scuffle among those waiting (WAL 0341, 0826); (3) The escorting of someone from the back of the queue up to the front (WAL 818-819); and most important, (4) The rush to the front of the line by a number of people who had previously been waiting not in the queue but in their automobiles. It was the co-occurrence of these independent, unpredictable events that then ignited the unlikely antisocial behavior exhibited by this crowd when the doors opened. And once the crowd entered the second phase of the craze, there was little choice for the store management. To keep the doors closed would only have incited the crowd further and exacerbated the physical crush on those at the front of the line, and thus opening the doors and allowing the people to enter the store was the best option.

The rare event in which a sudden, unpredictable spread of an emotion (such as fear or frustration or hostility) throughout a crowd, with resulting violence, selfish behavior, and excessive competition bears some similarity to the psychiatric phenomenon of mass or epidemic hysteria, also termed mass psychogenic illness. In this phenomenon, panic and anxiety spread rapidly from person to person throughout a crowd. It begins when someone becomes alarmed and aroused. Their anxiety then spreads via a process of social contagion in which the disease vector is witnessing intense alarm and anxiety in someone nearby. One individual's panic then spreads to others through the power of suggestion, expectation, and symptom amplification. Thus in mass or epidemic hysteria, the physical symptoms of anxiety spread rapidly through a large crowd, transmitted by observing someone nearby who appears to suddenly become ill. This prompts those surrounding the individual to believe they too have become ill and in turn become acutely anxious themselves.
In the same way that anxiety can spread through a crowd to produce psychopathological symptoms, the anxiety generated in an acquisitive panic or "acquisitive craze" can produce pathological behavior. Once the individual becomes aroused and alarmed, he/she may abandon a sense of social responsibility and surrender to his/her own rising sense of urgency - in this case the urgent desire to obtain a scarce commodity. This then is transmitted to those nearby who become similarly aroused. This same process may erupt unpredictably in other situations when an individual in the crowd manifests intense fear (resulting in a stampede, in which the crowd collectively runs without any clear direction or purpose) or anger (resulting in hooliganism, in which vandalism or other destructive behavior, or fighting or brawling between rival groups).

(ii) Information considered in forming these opinions


WAL 000001-1525, particularly 117, 182, 341, 548, 665, 680, 760-61, 808; 818-819; 826, 1234.
(iii) Qualifications

I am a clinical and research psychiatrist specializing in psychosomatic medicine. I am a Professor of Psychiatry at Harvard Medical School and Vice Chair for Research in the Department of Psychiatry at the Brigham and Women's Hospital. My interests have focused on the psychological factors that cause physical symptoms and the effects of sociocultural forces on symptom reporting and psychopathology. I have been the principal investigator of nine research grants from the National Institutes of Health in these areas. I have authored over 140 articles, 20 book chapters, and two books. I have received the President's Research Award from the American Psychosomatic Society and been a Faculty Fellow of the Mind/Brain/Behavior Interfaculty Initiative of Harvard University. I have been a Visiting Professor at the Georgetown University School of Medicine, the University of Wisconsin Medical School, the University of Illinois College of Medicine, Dartmouth Medical School, and the Allegheny University of the Health Sciences. I am a Distinguished Life Fellow of the American Psychiatric Association, a Fellow of the American College of Psychiatrists, and served on the Council of the American Psychosomatic Society.

(iv) Publications

Original Reports:


Hammad M, Barsky AJ, Regestein QR. Correlation between Somatic Sensation Inventory scores and Hyperarousal Scale scores. Psychosomatics 2001; 42:29-34.


Green J, Querques J, Barsky A, Notman N: Somatic preoccupations of future pregnancy. Harv Rev Psychiatry 2009; accepted for publication.

Reviews, Letters and Abstracts:


Barsky AJ, Rogers MP, Borus JF. The nocebo and medication side-effects (In Reply). JAMA 2002; 287:2502


Chapters:


Books:

(v) Previous testimony

I have not testified as an expert at trial or by deposition in any case in the past four years.

(vi) Compensation

I am being compensated at the rate of $450 per hour for all work in connection with this case.

Arthur J. Barsky, M.D.
Curriculum Vitae

Date Prepared: January 5, 2010

Name: Arthur J Barsky, III

Office Address: Vice Chair for Research, Department of Psychiatry, Brigham and Women’s Hospital, 75 Francis Street, Boston, MA 02115

Home Address: 268 Prince Street, West Newton, MA 02465

Work Phone: (617) 732-5236

Work E-Mail: abarsky@partners.org

Work FAX: (617) 278-6907

Place of Birth: New York, NY

Education:

1964 B.A. Williams College; Williamstown, Massachusetts
1969 M.D. Columbia University College of Physicians and Surgeons; New York, New York
1996 M.A. Harvard University (Honorary); Cambridge, Massachusetts

Postdoctoral Training:

Internship and Residency:

July 1969-June 1970 Intern in Medicine, Beth Israel Medical Center, New York, New York
July 1973-June 1976 Resident in Psychiatry, Massachusetts General Hospital, Boston, Massachusetts

Licensure and Certification:

1973 California Certificate No. 03501376
1973 New York License No. 106675
1973 Massachusetts License Registration No. 35602
1977 American Board of Psychiatry and Neurology, Certificate No. 16696

Academic Appointments:

1973-1976 Clinical Fellow in Psychiatry, Harvard Medical School
1976-1979 Instructor in Psychiatry, Harvard Medical School
1980-1987 Assistant Professor of Psychiatry, Harvard Medical School
1987-1996 Associate Professor of Psychiatry, Harvard Medical School
1996- Professor of Psychiatry, Harvard Medical School
Hospital Appointments:

- 1976-1978: Clinical Assistant in Psychiatry, Massachusetts General Hospital
- 1976-1980: Staff Psychiatrist, The Cambridge Hospital
- 1979-1981: Assistant in Psychiatry, Massachusetts General Hospital
- 1982-1986: Assistant Psychiatrist, Massachusetts General Hospital
- 1987-1989: Associate Psychiatrist, Massachusetts General Hospital
- 1990-: Psychiatrist, Massachusetts General Hospital
- 1993-: Senior Psychiatrist, Brigham and Women's Hospital

Other Professional Positions and Major Visiting Appointments:

- 1980-1983: Director, Acute Psychiatry Fellowship Program, Massachusetts General Hospital
- 1985-1989: Fellow, Oliver Wendell Holmes Society, Harvard Medical School
- 1989: Roerig Visiting Professor in Psychiatry, University of Wisconsin Medical School, Milwaukee Clinical Campus
- 1992: Visiting Professor of Psychiatry, University of Illinois College of Medicine at Urbana-Champaign
- 1996: Pfizer Visiting Professor of Psychiatry, Georgetown University School of Medicine
- 1998: Visiting Professor, Departments of Medicine and Psychiatry, Allegheny University of the Health Sciences
- 2002: Visiting Professor, Department of Medicine, Susquehanna Health Systems
- 2006: Visiting Scholar, Positive Psychology Center, University of Pennsylvania
- 2007: Chambers Visiting Professor, Dartmouth Medical School
- 2009: American Psychosomatic Society Interest Group Visiting Professor, University of Medicine and Dentistry of New Jersey

Administrative Leadership Positions:

- 1976-1985: Director, Acute Psychiatry Service, Massachusetts General Hospital
- 1977-1993: Director of Psychiatry in Primary Care, Massachusetts General Hospital
- 1979-1993: Director, Primary Care Psychiatry Unit, Massachusetts General Hospital
- 1993-2001: Director of Psychosomatic Research, Brigham and Women's Hospital
- 2001-2009: Director of Psychiatric Research, Brigham and Women's Hospital
- 2009-: Vice Chair for Psychiatric Research, Brigham and Women's Hospital

Committee Service:

Harvard University and Harvard Medical School:

- 1981: Harvard Medical School Committee on Teaching Psychiatry in Introduction to Clinical Medicine
Committee Service (cont.):

Harvard Medical School Patient/Doctor Policy Group
Mysell Award Committee, Consolidated Department of Psychiatry, Harvard Medical School
Director, Subcommittee on the Illness Experience, Harvard University Mind/Brain/Behavior Interfaculty Initiative
Faculty Fellow, Harvard University Mind/Brain/Behavior Interfaculty Initiative
Faculty Fellowship Committee, Harvard Medical School
Clinician Teacher Longer Service Promotion Committee, Harvard Medical School
Board of Honors Tutors, Department of Psychology, Harvard University
Harvard Medical School Department of Psychiatry Research Committee (Chair 2003-2004)
Senior Common Room Member, Lowell House, Harvard University
Standing Committee on Promotions and Appointments, Harvard Medical School

Massachusetts General Hospital:

Residency Training Committee, Psychiatry Service
Emergency Ward/OVERNIGHT Ward Committee
Disaster Planning Committee
Disaster Director, Psychiatry Service
Out-Patien Policy Committee, Psychiatry Service
Steering Committee, Psychiatry Service
Research Committee, Psychiatry Service
Spaulding Rehabilitation Hospital/Massachusetts General Hospital Pain Program Review Group

Brigham and Women's Hospital:

Chair, Career Development Committee, Division of Psychiatry
Primary Care Psychiatry Task Force, Division of Psychiatry
Chair, Primary Care Provider/Psychiatry Task Force
Partners Psychiatry and Mental Health Research Committee
Research Council
Quality Assurance/Quality Improvement Committee, Department of Psychiatry
Dry Laboratory Research Space Committee
Disease Management Initiative Committee
Steering Committee, Department of Psychiatry
Partners Psychiatry and Mental Health Chair Search Committee
Trustee, Brigham and Women's Physicians' Organization
Clinical Investigation Committee
Clinical Research Planning Committee
Neurosciences Center Strategic Planning Committee
Brigham Research Institute Research Oversight Committee
Harvard Longwood Psychiatry Residency Training Program Research Committee
Committee Service (cont.):

2006-2008  High Performance Medicine Case Management Initiative
2009-      Leadership Council, Department of Psychiatry

National:

1977-1980  Member, Massachusetts Psychiatric Society Committee on
          Emergency Psychiatry
1978-1979  Member, Massachusetts Psychiatric Society Committee on
          Primary Care Medicine
1982-1986  Member, American Psychiatric Association Advisory Committee to
          Revise DSM-III Organic and Somatoform Mental Disorders
1985-1986  Member, American Psychiatric Association Advisory Committee to
          Revise DSM-III for Cross-Cultural Use
1989-1992  Senior Advisor, DSM-IV Subcommittee on Psychological Factors
          Affecting Physical Conditions
1990-1992  Senior Advisor, DSM-IV Subcommittee on Psychological Systems
          Interface Disorders
1997-2001  Councilor, American Psychosomatic Society
1998-1999  Member, National Institute of Medicine Task Force on Strategies to
          Protect U.S. Forces
1998-1999  Member, National Research Council Advisory Group, Strategies to Protect
          the Health of Deployed U.S. Forces
1998-2003  Member, External Advisory Board, Harvard Pilgrim Health Care Research
          Infrastructure Support Program
1999-2002  Member, Scientific Advisory Panel, American Psychiatric Institute for
          Research and Education
2004-2006  Board Member, National Medical Follow-Up Agency, Institute of
          Medicine, National Academy of Sciences
2006-2008  Member, Board on Military and Veteran's Health, Institute of Medicine,
          National Academy of Sciences
2007-      Member, DSM-V Somatoform Disorders Work Group
2009-      Member, National Network of Depression Centers

Professional Societies:

1976-1988  Member, American Psychiatric Association
1979-1987  Member, Society for Research and Education in Primary Care Medicine
1982-      Member, American Psychosomatic Society
1988-2003  Fellow, American Psychiatric Association
1988-1997  Fellow, American College of Psychiatrists
1989-1996  Member, American Psychopathological Association
2003-2007  Distinguished Fellow, American Psychiatric Association
2007-      Distinguished Life Fellow, American Psychiatric Association
Grant Review Activities:

1992-    Ad hoc Member, Services Research Review Group, National Institute of Mental Health
1993    Member, Psychiatry Service Review Committee, Memorial Sloan-Kettering Cancer Center, Cornell University Medical College
1993    Ad hoc Member, Behavioral Medicine Study Section, National Institutes of Health
1998    Ad hoc Reviewer, Clinical Psychopathology Review Committee, National Institute of Mental Health
2003    Ad hoc Reviewer, Special Emphasis Review Panel, Centers for Interventions and Services Research, National Institute of Mental Health

Editorial Activities:

Editorial Boards:

1995-2000    Somatization Newsletter, Editorial Advisor
1997-    Journal of Psychosomatic Research, Advisory Board
1998-2001    Harvard Review of Psychiatry, Clinical Challenges Editor
1998-2004    Psychiatric Networks, Editorial Board

Ad hoc Reviewer:

Archives of General Psychiatry
American Journal of Psychiatry
Journal of Nervous and Mental Disease
Psychosomatic Medicine
Psychosomatics
Journal of Psychosomatic Research
Annals of Internal Medicine
New England Journal of Medicine
Journal of the American Medical Association
Archives of Internal Medicine
Journal of General Internal Medicine
Gastroenterology
British Journal of Psychiatry
British Medical Journal
Journal of Abnormal Psychology

Honors and Prizes:

1964    Williams College Phi Beta Kappa, Magna Cum Laude, Graduation with Highest Honors, Benedict Prize, Sophomore Honors, Dean's List
1990-    Who's Who in the East; 23rd Edition
1990    Dorfman Journal Paper Award, Academy of Psychosomatic Medicine
1990    Certificate of Teaching Excellence, Harvard Medical School CME course, Primary Care Internal Medicine
Honors and Prizes (cont.):

1991  Men and Women of Distinction, 4th World Edition
1996  Who's Who in Medicine & Health Care
1997  President's Guest Lecture, American Society for Surgery of the Hand
2004  President's Research Award, American Psychosomatic Society
2006  Boston's Best Doctors, *Boston Magazine*
2007- Best Doctors in America
2007  Partners in Excellence Award
2009- Who’s Who in America

Research Funding:

1980-1983  Project Co-Director, N.I.M.H. Training Grant #MH16486; "Training for Acute Psychiatry in Mental Health Settings"
1986-2008  Principal Investigator, N.I.M.H. Research Grants R01-MH40487 01-03; MH40487 04-06; MH40487 07-10; MH40487 11-15; MH40487 16-19, "Hypochondriasis: Diagnosis, Description and Medical Care"
1989-1996  Principal Investigator, N.H.L.B.I. Research Grants R01-HL43216 01-03; HL43216 04-07, "Cardiac Arrhythmias and the Perception of Symptoms"
2001-2006  Principal Investigator, N.I.A.M.S. Research Grant R01-AR47014, "Relaxation Response, Somatic Style and Rheumatoid Arthritis."
2006-2011  Principal Investigator, NIMH Research Grant R01-MH71688, “Treatment of Hypochondriasis with CBT and/or SSRI.”
2008-2011  Steering Committee Member, Positive Psychology and Physical Health Robert Wood Johnson Foundation

Teaching and Training:

*Formal Teaching of Residents and Fellows:*

1975-1976  Organized and directed "Charisma Conference", Psychiatry Service, Massachusetts General Hospital
1976-1985  Acute Psychiatry Service teaching conference and case conference, Massachusetts General Hospital
1976-1993  Supervisor, lecturer, and case discussant, Primary Care Program, Massachusetts General Hospital
1976-1993  Introduction to Clinical Medicine, Massachusetts General Hospital
1980-1983  Principal Supervisor, Acute Psychiatry Fellowship Program, Massachusetts General Hospital
1981-1993  Supervisor, lecturer, case discussant, Primary Care Psychiatry Unit, Massachusetts General Hospital
1988-1993  Lecturer, case discussant, Acute Psychiatry Service; Psychiatric Inpatient Unit; Psychiatric Consultation Service, Massachusetts General Hospital
1993-2004  Supervisor, Psychiatric Consultation Liaison Service, Brigham and Women's Hospital
Teaching and Training (cont.):

1993-2001-2007
Case conference discussant, clinical supervisor, seminar leader, and didactic presenter for psychiatry (PGY III & IV) and medicine (PGY I & II) trainees at Brigham and Women's Hospital, Massachusetts General Hospital, Beth Israel Deaconess Medical Center, Cambridge Hospital and Neighborhood Health Centers

2001-2007
Brigham and Women's Hospital, Humanistic Medicine, Department of Medicine

2002-2005
Harvard Medical School Psychiatry 700

2003-2008
Harvard Longwood Psychiatry Program Transition to Practice Seminar

2004-2009
Director, Brigham and Women's Hospital, Psychiatry Department

2004-
Harvard Longwood Psychiatry Residency, Critical Thinking in Psychiatry

2005-
Director, Brigham and Women's Hospital Medical Psychiatry Service journal club

2006-
Research Mentor, Harvard Longwood Psychiatry Residency Program

2006-2008
Director, Brigham and Women's Department of Psychiatry Faculty Forum

2006-
Academic Mentor, Medical Psychiatry Fellowship Program, Brigham and Women's Hospital

Selected Lectures and Addresses:

Academic Grand Rounds:

1986 Clarke Institute of Psychiatry, Toronto
1986 University of Massachusetts Medical Center
1987 Louisiana State University School of Medicine
1988 Court Street Clinic, Veteran's Administration, Boston, MA
1989 Salem Hospital, Salem, MA
1989 The Carney Hospital, Brighton, MA
1989 Jordan Hospital, Plymouth, MA
1989 Norwood Hospital, Norwood, MA
1989 Harvard Medical School, Beth Israel Hospital (Anesthesia)
1989 University of New Mexico School of Medicine
1989 University of Minnesota School of Medicine
1989 University of Wisconsin Medical School, Milwaukee Clinical Campus (Medicine, Psychiatry)
1989 Harvard Medical School, Massachusetts General Hospital
1990 University of North Carolina School of Medicine (Medicine, Psychiatry)
1990 Hôpital Cantonal Universitaire de Genève, Geneva Switzerland (Medicine, Psychiatry)
1990 Harvard Medical School, Mount Auburn Hospital (Medicine, Psychiatry)
1991 Rush Medical College
1991 Henry Ford Hospital, Detroit, MI (Medicine, Psychiatry)
1992 Dartmouth Medical School/New Hampshire Hospital
1992 University of Massachusetts Medical School
1993 Cedars-Sinai Medical Center, Los Angeles, CA (Medicine)
1993 Brown University School of Medicine, Providence, RI
Selected Lectures and Addresses (cont.):

1994  Harvard Medical School, Massachusetts Mental Health Center
1995  Robert Wood Johnson Medical School, UMDNJ
1995  Oxford University, Warneford Hospital
1996  Georgetown University School of Medicine (Medicine, Psychiatry)
1997  Harvard Medical School, Beth Israel Deaconess Medical Center (Medicine)
1997  Harvard-Longwood Combined Psychiatry Program
1998  University of Texas Health Sciences Center, San Antonio, TX
1998  Harvard Medical School, The Cambridge Hospital (Medicine)
1999  Newton Wellesley Hospital, Newton, MA
1999  Lehigh Valley Hospital, Allentown, PA
1999  Stamford Hospital, Stamford, CT (Medicine, Psychiatry)
2000  Albert Einstein College of Medicine, Montefiore Hospital, New York, NY
2001  State University of New York, Stony Brook, NY
2001  Baystate Medical Center, Springfield, MA
2002  Spaulding Rehabilitation Hospital, Boston, MA
2002  Emerson Hospital, Concord, MA (Medicine)
2002  Harvard Longwood Combined Psychiatry Program
2003  Harvard Medical School, Massachusetts General Hospital (Medicine)
2004  Mount Auburn Hospital, Cambridge, MA
2005  Exeter Hospital, Exeter, NH
2005  Dartmouth Medical School, Hanover, NH
2007  Boston University Medical Center, Boston, MA
2008  Harvard Medical School, Massachusetts General Hospital Pain Center
2007  Harvard Medical School, Cambridge Hospital (Medicine)
2008  Harvard Longwood Psychiatry Grand Rounds, Boston, MA
2009  Brown University Alpert Medical School, Providence, RI

Invited Public Lectures and Symposia:

1987  Psychiatry Service First Anniversary Address,
      Lawrence Memorial Hospital, Medford, Massachusetts
1988  Keynote Address, Opening Ceremonies,
      London-Ontario Regional Cancer Centre
1989  Monadnock Summer Lyceum, Peterborough, New Hampshire
1989  Conference on "Medically Unexplained Symptoms,
      University of Connecticut Health Sciences Center
1989  Conference on "Healthy Pleasures," Massachusetts Institute of Technology
1989  Keynote Address, "Health Professionals for a Transforming System,"
      Maine State Health Policy Advisory Council
1990  Symposium on Diagnosis and Management of Somatoform Disorders,
      Hôpital Cantonal Universitaire de Genève, Geneva, Switzerland
1991  Special Lecture, Ontario Psychiatric Association 71st Annual Meeting
1991  Symposium on Somatization and Panic Disorder,
      University of Washington, Department of Psychiatry
1993  Annual Scientific Symposium, Southern California Psychiatric Society
1994  Keynote Address, Symposium on "Functional Somatic Symptoms and Syndromes," University of Montreal, Faculty of Medicine
Selected Lectures and Addresses (cont.):

1995  Plenary Address, Royal College of Psychiatrists Liaison Section, Cambridge, England
1997  Keynote Address, Psychosomatic Medicine Research Day, University of Toronto, Faculty of Medicine
1997  International Symposium on Somatoform Disorders, World Health Organization, Prien, Germany
1997  Robert Kellner Research Lecture, University of New Mexico School of Medicine, Albuquerque, New Mexico
1998  Keio University International Symposium on Somatoform Disorders, Tokyo, Japan
1998  Fifth International Symposium, Controversies in Psychiatry, Barcelona, Spain
1998  Symposium on Anxiety Disorders, Argentine Congress of Psychiatry, Mar del Plata, Argentina
1998  Keynote Address, Japanese Society of Psychosomatic Medicine, Niigata Japan
1999  Seventh Biennial Regenstrief Institute Conference, Indianapolis, Indiana
1999  Pathophysiological Models of Functional Gastrointestinal Disorders, Key Biscayne, Florida
2000  Introductory Address, First International Congress on Functional Syndromes, Milan, Italy
2001  Seventh International Symposium, Controversies in Psychiatry, Barcelona, Spain
2001  Canadian Ministry of Defense Symposium on Multiple Chemical Sensitivity, Ottawa, Canada
2002  International Congress on Somatoform Disorders, Marburg, Germany
2002  Association of European Psychiatrists, 11th Congress, Stockholm, Sweden
2002  VI Congreso Nacional de Psiquiatría, Barcelona, Spain
2003  International Conference, The Placebo, Warsaw, Poland
2003  Royal College of Psychiatrists, Edinburgh, Scotland
2004  President’s Guest Lecture, American Psychosomatic Society, Orlando, Florida
2004  American Association for the Advancement of Science, Seattle, Washington
2004  Peter Mencher Memorial Lecture, Winchester Hospital, Winchester, Massachusetts
2004  VI International Seminar on the State of the Art in Mental Health, Las Palmas, Canary Islands, Spain
2005  18th World Congress on Psychosomatic Medicine, Kobe, Japan
2006  Keynote Address, Annual Meeting, Alberta Psychiatric Association
2006  Plenary Address, Academy of Psychosomatic Medicine, Tucson, Arizona
2007  Invited Plenary Address, Royal Society of Medicine, Manchester, UK
2009  Boston University Clinical Psychology Department Colloquium
Original Reports:


Original Reports (cont.):


Original Reports (cont.):


Original Reports (cont.):


Original Reports (cont.):


Original Reports (cont.):


Original Reports (cont.):


Reviews, Letters and Abstracts:


Reviews, Letters and Abstracts (cont.):


Reviews, Letters and Abstracts (cont.):


Chapters:


Chapters (cont.):


Books:


My academic career has been primarily devoted to the clinical investigation of the process of somatization, the treatment of the somatoform disorders, and the palliation of somatic symptoms in the medically ill. I have completed a series of R-01 investigations that have built incrementally on each other. These studies have been supported continuously for 22 years by the NIMH, NIAMS, and NHLBI. I began by conducting some of the earliest descriptive, phenomenological and epidemiological investigations of hypochondriasis in general medical settings. This descriptive work led to the development of a conceptual model of hypochondriasis as a cognitive and perceptual disorder of somatosensory amplification. This pathogenic model then led to the development of a cognitive/behavior therapy that was manualized and tested in a large scale, randomized, controlled efficacy trial that demonstrated statistically significant and clinically meaningful benefit 6 and 12 months after treatment. The next step was an effectiveness trial of this therapy in a typical, community primary care practice, a study now in its final year. I am also currently the Principal Investigator of a four-armed, randomized, controlled trial comparing this cognitive behavioral therapy with fluoxetine for the treatment of DSM hypochondriasis.

I have also applied this model of somatosensory amplification to examine the wide inter-individual variability in symptom severity and role impairment among individuals with the same serious, medical illness. This has involved two studies of the relationship between cardiac arrhythmias and the report of palpitations, and a three-armed, randomized, controlled intervention trial of cognitive-behavior therapy to palliate symptom severity and improve role function in rheumatoid arthritis. These studies are compatible with the hypothesis that the same self-validating and self-perpetuating mechanism of symptom amplification that is active in hypochondriasis can also exacerbate the symptoms of major medical illness.

This work has resulted in 121 original reports in refereed journals, including first authored papers in the New England Journal of Medicine (2), the Journal of the American Medical Association (6), the Archives of General Psychiatry (6), the American Journal of Psychiatry (6), and the Annals of Internal Medicine (4). I have also published 20 reviews and letters and 20 book chapters. I have also authored two books: *Worried Sick: Our Troubled Quest for Wellness* (Little, Brown and Co.), and *Feeling Better* (Harper Collins).

I have lectured and presented this work at numerous professional meetings regionally, nationally, and internationally. I have received the President’s Research Award of the American Psychosomatic Society and am a Distinguished Life Fellow of the American Psychiatric Association. I have been a Fellow of the American College of Psychiatrists, and have served on the Council of the American Psychosomatic Society. I am a member of the DSM V Somatoform Disorder Work Group. I have been a Faculty Fellow of the Mind/Brain/Behavior Interfaculty Initiative of Harvard University, and chaired one of its interdisciplinary work groups on the experience of illness. I have been a Visiting Professor at the Georgetown University School of Medicine, the University of Wisconsin Medical School, the University of Illinois College of Medicine, Dartmouth Medical School, and the Allegheny University of the Health Sciences.