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**Career Summary**

I am a senior epidemiologist and behavioral scientist who is focused on behavioral health, chronic disease epidemiology, neuropsychiatric research and on veteran's health studies. Over the past 35 years, I have directed over 500 studies related to behavioral health, post-traumatic stress disorders (PTSD), addiction, hepatitis C, cardiovascular disease, cancer, rheumatoid arthritis, and other clinical areas. My current research at Geisinger includes assessing the health impact of PTSD among trauma, warzone, and disaster victims, on studying health impact of rheumatoid arthritis (RA), and on evaluating risk factors for PTSD, addiction, and other mental health disorders. In addition, I am also investigating the role of PTSD in the onset and course of inflammatory diseases, including ischemic heart disease and rheumatoid arthritis. Furthermore, with NIH funding, I have developed the next generation of PTSD risk assessment tools using the World Trade Center Disaster Study and other trauma data. I am also the site PI for the Chronic Hepatitis Cohort Study (CHeCS) funded by CDC foundation and for the Steven-Johnson Syndrome Study funded by the FDA. My team is also currently evaluating the health impact of Hurricane Sandy at the Jersey Shore in collaboration with a major healthcare system in Monmouth and Ocean County, New Jersey. Finally, I am also investigating key risk factors for suicide in different "at-risk" populations, including assessment of genetic risk factors. I currently hold adjunct appointments at Mount Sinai School of Medicine (Pediatrics and Internal Medicine) and at Temple University School of Medicine (Psychiatry). In 2009, he was elected to Fellow Status by the American Psychological Association (APA) for my psychological trauma research and in 2010 I was given a Lifetime Achievement Award by the International Society for Traumatic Stress Studies (ISTSS) for my World Trade Center Disaster and my veterans' research. In addition to the APA and ISTSS, I am also a member of the American College of Epidemiology, American Psychosomatic Society, and the Society of Biological Psychiatry. In 2012, I was appointed to serve as a committee member on the SHAD-II Veterans Study by the Institute of Medicine (IOM), National Academy of Sciences. The purpose of this effort is to study the health effects of exposure to chemical and biological weapons among naval personnel during the Cold War. I have also served as a grant reviewer for the HSR&D and Epidemiology Services of VA Central Office (VACO) in Washington, DC, and for the US Army at Fort Detrick, MD.

**Research Expertise**

■ Epidemiology ■ Behavioral Medicine ■ Survey Research ■ Psychometric Methods ■ Trauma Psychiatry  
■ Addictions ■ Behavior Genetics ■ Environmental Health ■ Veterans Health ■ Disaster Epidemiology

**Experience Overview**

■ Experience conducting epidemiologic, clinical trial, environmental health, health services, population health and market research studies ■ Clinical experience includes: cardiovascular, cancer, post-traumatic stress disorder, substance abuse/addictions, mood/anxiety disorders, rheumatoid arthritis, neurologic, autoimmune, HIV/AIDS and chronic hepatitis studies ■ Epidemiologic research experience includes: mental health, communi-

ty health, genetic, environmental, crime, and population health studies ■ Health services research experience includes: medication adherence, cost-effectiveness and disease management studies ■ Market research experience includes: public opinion, service/product feasibility, patient satisfaction and consumer tracking studies ■ Experience working with foundation, pharmaceutical, managed care, government and association clients/funders ■ Experience conducting local, regional, national and international studies ■ Training and mentoring experience with residents, fellows, and junior medical faculty ■ Experience teaching clinical epidemiology to medical students and fellows ■ Experience with biostatistical methods, proposal/grant preparation, cost estimation, study design, field supervision, subcontractor management, multivariate analyses, medical writing and results presentation ■ Experience presenting findings to scientific, professional and lay audiences ■ 150 peer-reviewed medical articles and book chapters currently published ■ Computer and statistical software experience includes: STATA, SAS, SPSS, S-Plus, CART, and nQuery ■ Experience with case-control, cohort, clinical trial methodologies, as well as pharmacoepidemiology, genetic epidemiology, public health surveillance methods, psychometric measurements and multivariate data analyses ■ Experience with severity/risk adjustment methods, including propensity score analyses ■ Experience with mail, telephone, internet, personal interviews and focus group methods ■ Experience with medical registry design/development and bio-banking ■ Over \$50 million in intramural and extramural health research projects funded and completed over 35 years ■ History of successful product/business development, including trademark and patent applications (patent no. 7,725,327).

### **Education**

**M.P.H. Epidemiology** – University of California, Berkeley (1993)

**Ph.D. Social Psychology & Survey Research** – New York University (1977)

**M.A. Criminology** – New York University (1975)

**B.A. Sociology & Psychology** – Fordham University (1974)

### **Fellowships/Scholarships**

**Post-Doctoral Fellowship in Clinical Epidemiology** – University of California - San Francisco (NIMH)

**Post-Doctoral Fellowship in Health Services Research** – West Haven VAMC & Yale University (VA)

**Pre-Doctoral Fellowship in Criminology Research** – New York University (DOJ)

**Fellowship in Alcohol & Drug Abuse Studies** – Center for Alcohol Studies, Rutgers University (NIAAA)

**Schaenman Graduate Scholarship** – New York University (Schaenman Foundation)

### **Employment**

**GEISINGER CLINIC** (Danville, PA; 12/2005 – Present). As a Senior Scientist with the Geisinger Clinic, has received research funding from NIH, FDA, CDC, AHRQ, PA Department of Health, foundations, pharmaceutical industry, among other sponsors. Also serves as the Director of Clinical Research Training at Geisinger Clinic. With NIH funding, currently developing the next generation of posttraumatic stress disorder (PTSD) risk assessment tools using the World Trade Center Disaster Study and other trauma data (R01-MH-066403; R21-MH-086317, Boscarino PI). The goal of this research is to develop prediction models that can be used in routine clinical practice to predict the onset and course of PTSD. The latest version of this prediction model also includes genetic risk information (see: Boscarino et al. Predicting PTSD using the New York Risk Score with Genotype Data. *Neuropsychiatric Research & Treatment*. 2013; 9: 517-27). Currently developing a "New Risk Score" for opioid addiction in medical settings. Also currently assessing the risk for PTSD and mild traumatic brain injury (mTBI) among adults exposed to traumatic events. For this study, patients who were discharged from Geisinger's Trauma Center are being studied. A DSM-4/5 diagnostic instrument is being used for these interviews. In addition, also conducting investigations related to the genetics of drug dependence, alcohol addiction, and suicide. This study is assessing the genetic and environmental risk factors for these disorders, including the impact of exposure to early childhood trauma. Currently, 20 candidate genes are being studied, including brain-derived neurotrophic factor, catechol-O-methyltransferase, corticotropin releasing hormone, dopamine receptors (D1, D2, D3, D4), monoamine oxidase A, neuropeptide Y, opioid receptor - mu 1, serotonin transporter, and nicotinic receptor genes, among others. Also conducting research related to assessing the health status of deployed warzone veterans, with funding from several sponsors, including NIH. In addition, as the Geisinger site PI, directing a prospective cohort study of chronic hepatitis infection for the CDC Foundation. This study is one of the largest chronic hepatitis studies conducted in the US and is being conducted in collaboration with three HMO Research Network sites. Also studying the health impact of biologic medication usage on rheumatoid arthritis outcomes at Geisinger with funding from Amgen and Janssen. In 2012, was appointed to the Institute of Medicine, National Academy of Sciences, as a Committee Member for the SHAD-II

Environmental Health Study. This study represents a 50-year environmental health study of Navy veterans exposed to chemical and biological weapon experiments during the Cold War. Finally, currently investigating the health impact of exposure to Hurricane Sandy at the Jersey Shore among trauma-exposed adults in Monmouth County, New Jersey.

**NEW YORK ACADEMY OF MEDICINE** (New York, NY; 8/2001 – 12/2005). As a Senior Scientist with the New York Academy of Medicine (NYAM), conducted research on patient safety, the health impact of the World Trade Center disaster (WTCD) on New York City residents, and on healthcare service needs in primary care. In addition, also assessed the long-term health impact of Posttraumatic stress disorder (PTSD) among Vietnam War veterans. Finally, provided clinical research and statistical support for the Department of General Pediatrics at Mount Sinai School of Medicine (MSSM). The WTCD project included a prospective epidemiologic study of ~2,400 New York City residents. The quality improvement and patient safety research included a study of 1,500 adults in NY State related to use of healthcare information in medical decision-making. Healthcare provider studies conducted included a survey of 1,400 pediatricians in NJ, NY & CT, a study of 250 mental health professionals who provided mental health services after the WTCD, and a study of several hundred pediatricians designed to assess practice changes/needs in primary care after the WTCD. The veteran studies conducted included a 30-year follow-up of 15,300 veterans exposed to traumatic stressors during the Vietnam War. Combined these projects represented a \$3,000,000+ research portfolio, with funding provided by the National Institute of Mental Health, Robert Wood Johnson Foundation, New York State Office of Technology Assessment, American Red Cross, Mount Sinai School of Medicine, and other sponsors.

**MERCK & COMPANY – Medco Division** (Franklin Lakes, NJ; 12/98-8/2001). As a Senior Director, led the Outcomes Research Team for Merck-Medco's Clinical Analysis and Outcomes Research Department. Designed and implemented research for pharmaco-economic and pharmaco-epidemiologic studies, based upon existing programs or ad hoc studies required by Merck-Medco's business needs. Monitored data collection and coordinated analyses assessing the impact of interventions on health, patient safety, economic, and drug use outcomes. Participated in research programs evaluating the company's pharmacy activities and services. Designed and coordinated biostatistical & econometric analyses of health outcomes data, including analysis of large integrated drug and medical claims databases for client- and program-specific studies, utilizing Medco's large-scale (70 million member) Information Warehouse database. Identified areas of opportunity for drug utilization and formulary management by demonstrating cost savings using integrated drug and medical claims and other data. Identified best methods for "risk adjusting" member-, patient- and physician-level data for severity of illness to ensure methodologically accurate results. Directly assisted in development of Merck-Medco's Chronic Disease Score (CDS) and patent application for this tool, used company-wide for risk adjustment (Patent No. 7,725,327), and Merck-Medco's National Drug Probability Sample (NDPS), used for forecasting national drug utilization trends and for various prevalence estimations. Directly supervised a team of 13 epidemiologists, biostatisticians, health economists and SAS programmers to meet these company objectives.

**CATHOLIC HEALTH INITIATIVES (CHI) – Southeast Region** (Louisville, KY; 8/95-11/98). Was Vice President for Outcomes & Clinical Effectiveness Research for CHI – Southeast Region – a 5,000-bed regional health system located in KY, TN, AR, KS, NE, & MO (CHI had 120 facilities in 23 states at the time). Conducted patient outcomes studies for CHI facilities in the areas of coronary artery bypass graft surgery (CABG), angioplasty, myocardial infarction, cancer, critical care, congestive heart failure, psychiatry, and orthopedic surgery. Studies were used to assist the administrative, nursing, and medical staffs at CHI institutions improve the cost-effectiveness and quality of care and to meet regulatory requirements. Also conducted ad hoc studies to evaluate specific clinical interventions, including assessment of different nursing and medical interventions to identify "best practices." In addition, provided ongoing methodological and statistical consulting related to patient surveys, community interventions, and oversaw CHI's regional quality improvement and Joint Commission accreditation efforts. Finally, was responsible for preparing outcome research reports and publications and for presenting findings to CHI facilities and medical teams. Supervised a team of 4 professionals and 2 administrative assistants.

**UNIVERSITY OF CALIFORNIA** (San Francisco, CA; 6/92-7/95): Was a Senior Research Fellow in the Department of Epidemiology and Biostatistics. Conducted epidemiologic, public health, and health services research related to: (1) HIV/AIDS prevention and control among high-risk populations; (2) Research methods related to evaluating the effectiveness and quality improvement programs; (3) Health promotion and disease prevention; and (4) Psychobiology of traumatic stress exposures and disease onset. HIV/AIDS research findings were published in several medical journals and presented at the 10th International AIDS conference in Tokyo, Japan. Outcomes research, stress medicine, and prevention studies were published in leading medical,

psychological, and public health journals. During this time, also provided health care research & consulting services for several ongoing health care clients from original consulting business (see client list below). Outcomes research methods developed during this time were later implemented at CHIs' facilities (see CHI above).

**BOSCARINO CONSULTING, INC.** (Chicago, IL; 10/88-5/92): As a Senior Research Consultant, worked with for-profit and non-profit organizations providing health research, strategic planning, consultation, and social marketing services. Assignments included public health, market assessment, financial feasibility, public relations, and consumer satisfaction research. Specialized in health care delivery research, directing surveys and focus groups among the general public, patients, physicians, employers, and other groups for a range of health care clients. During this time developed and designed the Quality Monitor™ patient satisfaction system for Parkside Associates, one of the most widely used patient surveys in the US (see former client list and hospital marketing & patient satisfaction publications below). The Quality Monitor™ was sold to Press-Ganey, Inc. in 2001. Supervised a team of several research and administrative assistants.

**JERSEY SHORE MEDICAL CENTER** (Neptune, NJ; 1/86-9/88): As Vice President for Marketing, Planning, and Public Relations was responsible for marketing, planning, and business development for Jersey Shore Medical, a 529-bed teaching hospital affiliated with the University of Medicine and Dentistry of New Jersey and Robert Wood Johnson Medical School. Implemented research to aid in long-range planning, increase market share, improve patient satisfaction, and to improve the quality of care. Also wrote the market feasibility section of the hospital's successful CON application for a major renovation project (total \$50,000,000). Finally, developed extensive prevention services (wellness, fitness, and health education), which were integrated with the hospital's acute-care services and marketed through the successful "Jersey Shore Wellness Center" Project (see wellness, hospital marketing, and patient satisfaction publications below). Supervised a team of 10 planning, public relations, and marketing professionals.

**ALLIED RESEARCH ASSOCIATES** (Chicago, IL; 9/81-12/85): Was Executive Vice President for Allied Research, a company that he co-founded in 1981. During this time, conducted health research projects for a wide range health care organizations nationwide (see client list below). Projects included community needs assessment, service feasibility, patient satisfaction, public relations and program evaluation studies. Was responsible for establishing the research operations for the company, which included developing the survey research, questionnaire, data collection, data coding, sampling, data processing, report and results presentation protocols. Also was responsible for the design, trade-marking, and successful sales of several key company research products, including Allied Research's Market-Scan™ and Site-Plan™ products. (Allied Research was a leading health care research company at the time it was sold to the Gallup Organization in 1987.) Oversaw research, data collection, and administrative staff for the organization, totaling more than 20 personnel.

**MARKET OPINION RESEARCH/CANADIAN OPINION RESEARCH** (Detroit, MI; 7/79-8/81): Was Health Research Director for Market Opinion Research, and its subsidiary, Canadian Opinion Research, Toronto, Canada. In this capacity, directed U.S. and Canadian health and social issue research related to mental health, smoking, cancer, substance abuse, crime, and other study areas. Also, conducted national physician surveys for the American Medical Association. During this time, developed the "small-area" health survey methodology (later trade-marked as Market-Scan™) used successfully at Allied Research Associates (see above). Supervision responsibilities varied, based on the size and duration of research project.

### **Peer-Reviewed Journal Publications**

Adams RE, Boscarino JA. Structural Equation Modeling within the Context of a Community Disaster. SAGE Research Methods Cases. SAGE Publications Ltd., 2014 (in press).

Daley MF, Newton DA, DeBar L, Newcomer SR, Pieper L, Boscarino JA, Toh S, Pawloski P, Nordin JD, Nakasato C, Herrinton LJ, Bussing R. Accuracy of electronic health record derived data for the identification of incident attention-deficit/hyperactivity disorder (ADHD). Journal of Attention Disorders 14; 2014 (in press).

Li, J, Gordon SC, Rupp LB, Zhang T, Boscarino JA, Vijayadeva V, Schmidt M A, Lu M. A. The validity of serum markers for fibrosis staging in chronic hepatitis B and C. J Viral Hepatitis. 2014 (in press).

Gordon S, Lamerato L, Rupp L, Holmberg S, Moorman A, Spradling P, Teshale E, Nakasato C, Boscarino J, Henkle E, Nerenz D, Oja-Tebbe N, Liu M, for the CHCS Investigators. Antiviral therapy for chronic HBV

infection and development of hepatocellular carcinoma in a U.S. population. *Clin Gastroenterol Hepatol*. 2013 (in press).

Zhang X, Yan XS, Gorman J, Hoffman SN, Zhang L, Boscarino JA. Risk factors perioperative hyperglycemia is associated with postoperative neurocognitive disorders after cardiac surgery. *Neuropsychiatric Research and Treatment* 2014; 10: (in press).

Boscarino JA, Hoffman SN, Kirchner HL, Erlich, PM, Adams RE, Figley CR, Solhkhah R. Mental health outcomes at the Jersey Shore after Hurricane Sandy. *Int J Emerg Ment Health*. 2013; 15: 147-158.

Adams RE, Boscarino JA. Differences in mental health outcomes by acculturation status following a major disaster. *Int J Emerg Ment Health*. 2013; 15: 85-96.

Vijayadeva V, Spradling P, Moorman A, Rupp L, Lu M, Gordon S, Henkle E, Boscarino J, Teshale E, Homberg S, Nakasato C, for the CHeCS Investigators. Hepatitis B virus testing and prevalence by country of origin among Asian/Pacific Islanders in a health maintenance organization. *Am J Managed Care* 2013 (in press).

Boscarino JA, Gordon SC, Rupp LB, Schmidt MA, Vijayadeva V, Moorman A, Xu F, Holmberg SD, Ko SC. Locations and reasons for initial testing for hepatitis C infection - Chronic Hepatitis Cohort Study, United States, 2006-2010. *MMWR Morb Mortal Wkly Rep*. 2013 Aug 16;62(32):645-648.

Chronic Hepatitis Cohort Study (CHeCS). Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. *Epidemiologic Profile 2010: Asians and Native Hawaiians and Other Pacific Islanders*. Atlanta, GA: Centers for Disease Control and Prevention. Chapter 3: Viral Hepatitis. 2012: 26-37.

Adams RE, Laraque D, Chemtob CM, Jensen PS, Boscarino JA. Does a one-day educational training session influence primary care pediatricians' mental health practice procedures in response to a community disaster? Results from the Reaching Children Initiative (RCI). *Int J Emerg Ment Health*. 2013; 15: (1) 3-14.

Holmberg SD, Lu M, Rupp LB, Lamerato, L, Moorman AC, Vijayadeva VX, Boscarino JA, Henkle E, Gordon SC. Use of non-invasive serum fibrosis markers for staging chronic hepatitis C virus (HCV) in the Chronic Hepatitis Cohort Study (CHeCS). *Clinical Infectious Diseases* 2013; Jul;57(2):240-246.

Chronic Hepatitis Cohort Study (CHeCS). Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. *Epidemiologic Profile 2010: Asians and Native Hawaiians and Other Pacific Islanders*. Atlanta, GA: Centers for Disease Control and Prevention. Chapter 3: Viral Hepatitis. 2012: 26-37. Centers for Disease Control and Prevention. Completeness of reporting of chronic hepatitis B and C virus infections — Michigan, 1995-2008. *Morbidity and Mortality Weekly Report* 2013; 62: 99-102.

Manne S, Kashy D, Weinberg, DS, Boscarino, JA, Bowen DJ, Worhach S. A pilot evaluation of the efficacy of a couple-tailored print intervention on colorectal cancer screening practices among non-adherent couples. *Psychology and Health*. 2013;28(9):1046-65.

Mahajan R, Moorman AC, Liu SJ, Rupp L, Kleven RM; for the Chronic Hepatitis Cohort Study (CHeCS) investigators. Use of the International Classification of Diseases, 9th revision, coding in identifying chronic hepatitis B virus infection in health system data: implications for national surveillance. *J Am Med Inform Assoc*. 2013 May 1;20(3):441-445.

Boscarino JA, Kirchner HL, Hoffman SN, Elich PM. Predicting PTSD using the New York Risk Score with Genotype Data: Potential Clinical and Research Opportunities. *Neuropsychiatric Research and Treatment* 2013; 9: 517-527.

Mikuls TR, Padala PR, Sayles HR, Yu F, Michaud K, Caplan L, Kerr GS, Reimold A, Cannon GW, Richards JS, Lazaro D, Thiele GM, Boscarino JA. Prospective study of posttraumatic stress disorder and disease activity outcomes in US veterans with rheumatoid arthritis. *Arthritis Care Res*. 2013 Feb;65(2):227-234.

Spradling PR, Moorman AC, Gordon SC, Rupp LB, Teshale EH, Lu M, Nerenz DR, Nakasato CC, Boscarino JA, Henkle E, Oja-Tebbe N, Xing J, Ward JW, Holmberg SD, for the CHeCS Investigators. Hepatitis B and C virus

infection among 1.2 million persons with access to care: Factors associated with testing and infection prevalence. *Clinical Infectious Diseases* 2013 Jan; 56 (1): 40-50.

Moorman AC, Gordon SC, Rupp LB, Spradling PR, Teshale EH, Lu M, Nerenz DR, Nakasato CC, Boscarino JA, Henkle E, Oja-Tebbe N, Xing J, Ward JW, Holmberg SD. Baseline characteristics and mortality among people in care for chronic viral hepatitis, 2006-2008: The Chronic Hepatitis Cohort Study (CHeCS). *Clinical Infectious Diseases* 2012 Oct; 55 (8):1047-1055.

Boscarino JA, Kirchner HL, Hoffman SN, Sartorius J, Adams RE, Figley CR. The New York PTSD Risk Score for Assessment of Psychological Trauma: Male and Female Versions. *Psychiatry Research* 2012; 200: 827–834.

Figley CR, Boscarino JA. Traumatology of life. *Journal of Nervous and Mental Disease* 2012; 200 (12): 1113-1120.

Hoffman SN, Zhang X, Erlich PM, Boscarino JA. Grapheme-color synesthesia and PTSD: Preliminary results from the Veterans Health Study. *Psychosomatic Medicine* 2012;74 (9): 912-915.

Boscarino JA, Figley CR. Understanding the Neurobiology of Fear Conditioning and Emergence of PTSD Psychobiology: Commentary on Blanchard et al. *Journal of Nervous and Mental Disease* 2012; 200(9):740-744.

Boscarino JA, Kirchner HL, Hoffman SN, Sartorius J. Use of the New York PTSD Risk Score to predict PTSD: Current and future research efforts. *General Hospital Psychiatry* 2012; 34: 317-319.

Boscarino JA. PTSD is a Risk factor for cardiovascular disease: Time for increased screening and clinical intervention. *Preventive Medicine* 2012; 54: 363-364.

Manne S, Kashy D, Weinberg DS, Boscarino JA, Bowen DJ. Using the Interdependence Model to Understand Spousal Influence on Colorectal Cancer Screening Intentions: A Structural Equation Model. *Ann Behav Med*. 2012 Jun;43(3):320-9.

Boscarino JA, Elich PM, Hoffman SN, Zhang X. Higher FKBP5, COMT, CHRNA5 and CRHR1 Allele Burdens are associated with PTSD and Interact with Trauma Exposure: Implications for Neuropsychiatric Research. *Neuropsychiatric Research and Treatment* 2012; 8: 131-139.

Boscarino JA, Kirchner HL, Hoffman SN, Sartorius J, Adams RE, Figley CR. Predicting future PTSD using a modified New York Risk Score: Implications for patient screening and management. *Minerva Psichiatrica* 2012; 53: 47-59.

Manne S, Etz R, Boscarino JA, Weinberg DS. A qualitative analysis of couples' communication regarding colorectal cancer screening using the interdependence model. *Patient Education and Counseling*. 2012 Apr; 87 (1): 18-22.

Boscarino JA, Kirchner HL, Hoffman SN, Sartorius J, Adams RE. PTSD and Alcohol use after the World Trade Center Attacks: A longitudinal study. *J Trauma Stress* 2011; 24(5): 515-525.

Boscarino JA, Kirchner HL, Hoffman SN, Sartorius J, Adams RE, Figley CR. A brief screening tool for assessing psychological trauma in clinical practice: Development and validation of the New York PTSD Risk Score, *General Hospital Psychiatry* 2011; 33(5): 489-500.

Boscarino JA. PTSD and Cardiovascular Disease Link: Time to Identify Specific Pathways and Interventions. *American Journal of Cardiology*. 2011; 108(7): 1052-1053.

Boscarino JA. Introduction to special issue commemorating the 10th anniversary of September 11, 2001. *Int J Emerg Ment Health*. 2011; 13(2); 65-67.

Adams RE, Boscarino JA. Perievent panic attack and depression after the World Trade Center Disaster: A structural equation model analysis. *Int J Emerg Ment Health*. 2011; 13(2); 69-79.

Boscarino JA, Rukstalis, MR, Hoffman SN, Han JJ, Erlich PM, Ross S, Gerhard GS, Stewart WF. Prevalence of prescription opioid-use disorder among chronic pain patients: Comparison of the DSM-5 vs. DSM-4 diagnostic criteria. *Journal of Addictive Diseases* 2011; 30: 185-194.

Boscarino JA, Erlich PM, Hoffman SN, Rukstalis M, Stewart WF. Association of FKBP5, COMT and CHRNA5 polymorphisms with PTSD among outpatients at risk for PTSD. *Psychiatry Res.* 2011; 188: 173-174.

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Boscarino JA, Adams RE, Figley CR. Mental health service use after the World Trade Center disaster: utilization trends and comparative effectiveness. *J Nerv Ment Dis.* 2011 Feb;199(2):91-99.

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Boscarino JA, Adams RE. Peritraumatic panic attacks and health outcomes two years after psychological trauma: implications for intervention and research. *Psychiatr Res.* 2009; 167: 139-150.

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### **Recent Teaching and Mentoring Experience**

For academic year 2013-2014, currently teaching *Clinical Epidemiology and Research Design* classes at Geisinger Clinic, which are designed to train residents, fellows, staff physicians, and other senior staff in conducting clinical research. This 9-month course is taught annually at Geisinger and is designed to provide clinicians with basic biomedical research skills in epidemiology, biostatistics, genetic epidemiology, and in health services research. Current 2013-2014 class enrollment: 34 students.

Also taught this *Clinical Epidemiology* training course at Geisinger Clinic for the Academic Years 2008-2009, 2009-2010, 2010-2011, 2011-2012 and 2013-2014. To date, over 165 healthcare professionals have taken this training course at Geisinger. This Geisinger training program includes a core curriculum in designing and implementing clinical research and is designed for physicians desiring to acquire skills in clinical research. At the completion of the course, participants have a better understanding of clinical research and have developed an area of research interest.

At the end of this program, participants have the basic skills required to pursue clinical research, research funding, and typically have a draft research paper or a poster ready for submission. Each class session has required and recommended readings. Attendees are required to complete home work assignments (1-2 hours per week). Attendance is taken at the sessions and research mentors are available for students.

Currently mentoring three physician investigators at Geisinger.

Taught Clinical Research Design and Biostatistics to Senior Fellows at Mt Sinai School of Medicine, 2003-2004 Academic Year;

Taught Survey Research Design to Senior Fellows at Mt Sinai School of Medicine, 2003-2004 Academic Year

Mentored 4 Physicians at Mt Sinai School of Medicine, 2003-2006.

### **Regional, National, International Presentations**

Boscarino, JA, Lu M, Gordon SC, Rupp LB, Schmidt MA, Vijayadeva V. Predictors of Depression and Poor Physical Health among Patients with Chronic Hepatitis C Infection: Results from the Chronic Hepatitis Cohort Study. To be presented at: 20th Annual HMO Research Network Conference, Phoenix, AZ, April, 2014

Xu F, Li J, Zhang T, Rupp L, Liu M, Moorman A, Gordon S, Spradling R, Teshale E, Boscarino J, Vijayadeva V, Schmidt M, and Holmberg S. Probabilities of survival, liver transplantation, and liver complications by hepatic fibrosis stage among patients with chronic hepatitis C virus (HCV) infection from the Chronic Hepatitis Cohort Study (CHeCS). Presented at: the 64th Annual Meeting of the American Association for the Study of Liver Diseases (AASLD), Washington, November 1-5, 2013.

Moorman A, Xing J, Rupp L, Xu F, Gordon S, Lu M, Spradling P, Teshale E, Boscarino J, Vijayadeva V, Schmidt M, Holmberg S. Presence of advanced liver disease concurrent with initial diagnosis of hepatitis C virus (HCV) infection among patients in the Chronic Hepatitis Cohort Study (CHeCS): missed opportunities for intervention. Presented at: the 64th Annual Meeting of the American Association for the Study of Liver Diseases (AASLD), Washington, November 1-5, 2013.

Teshale E, Xing J, Moorman A, Rupp L, Gordon S, Boscarino J, Schmidt M, Vijayadeva V, Spradling P, Holmberg S, Xu F. Trends in hospital utilization among chronic hepatitis C patients in the US; the Chronic Hepatitis Cohort Study (CHeCS) 2006-2010. Presented at: the 64th Annual Meeting of the American Association for the Study of Liver Diseases (AASLD), Washington, November 1-5, 2013.

Gordon S, Lamerato L, Rupp L, Boscarino J, Vijayadeva V, Schmidt M, Nerenz D, Oja-Tebbe N, Lu M. Characteristics of HCV patients not currently on antiviral therapy in a US cohort. Presented at: the 64th Annual Meeting of the American Association for the Study of Liver Diseases (AASLD), Washington, November 1-5, 2013.

Boscarino, JA, Kirchner, HL, Hoffman, SN, Erlich PM. Predicting PTSD Using the New York Risk Score with Genetic Risk Information. Presented at: 29th Annual Meeting of the International Society of Traumatic Stress Studies, Philadelphia, PA, November, 2013.

Gerbi G, Xing J, Rupp L, Gordon S, Boscarino J, Schmidt M, Vijayadeva V, Moorman A, Holmberg S, Xu F. Hospitalization among persons with chronic hepatitis C virus infection in the United States: the Chronic Hepatitis Cohort Study (CHeCS), 2006-2010. Presented at: ID Week 2013 (A joint meeting of IDSA, SHEA, HIVMA, and PIDS), San Francisco, October 2-6, 2013.

Mei Lu, Jia Li, Lora B Rupp, Lois E Lamerato, Vinutha Vijayadeva, Joseph Boscarino, Mark A. Schmidt, David Nerenz, Stuart C Gordon. Pragmatic and adaptive methods of electronic medical record cohort Identification for comparative effectiveness research. Presented at: 19th Annual HMO Research Network Conference, San Francisco, CA April, 2013.

Vinutha Vijayadeva, Cynthia Nakasato, Stuart C. Gordon, Lorelee B. Rupp, Mei Lu, Emily Henkle, Joseph A. Boscarino. Chronic Hepatitis B Testing in US-Born and Foreign-Born Asia Pacific Islanders of Kaiser Permanente, Hawai'i. Presented at: 19th Annual HMO Research Network Conference, San Francisco, CA April, 2013.

Vinutha Vijayadeva, Cynthia Nakasato, Stuart C. Gordon, Lorelee B. Rupp, Mei Lu, Emily Henkle, Joseph A. Boscarino. Demographic Differences between US-Born and Foreign-Born Asia Pacific Islanders among the Hepatitis B Patients of Kaiser, Hawai'i. Presented at: 19th Annual HMO Research Network Conference, San Francisco, CA April, 2013.

Mia A. Gallagher, Maryam M. Asgari, Joseph A. Boscarino, James K. Burmester, Lee F. Cromwell, Melody J. Eide, Heather S. Feigelson, Jennifer L. Kuntz, Lois A. La Grenade, Eric M. Macy, David J. Margolis, Michael A. Pacanowski, Pamala A. Pawloski, Robert B. Penfold, Simone P. Pinheiro, Marsha A. Raebel, Laura A. Schild, Nandini Selvam, David Smith, Ann Chen Wu, Robert L. Davis. Identification of Severe Cutaneous Reactions and Genomic Risk Factors in Users of Antiepileptic Drugs. Presented at: 19th Annual HMO Research Network Conference, San Francisco, CA April, 2013.

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Vijayadeva V, Nakasato C, Spradling PR, Gordon S, Rupp L, Lu M, Henkle E, Boscarino J. Demographic Differences between US-Born and Foreign-Born Asia Pacific Islanders among the Hepatitis B Patients of Kaiser Permanente, Hawai'i. Presentation at: 18<sup>th</sup> Annual HMO Research Network Conference, Seattle, WA April/May, 2012.

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Boscarino JA, "A Prospective Study of PTSD and Early-age Heart Disease Mortality among Vietnam Veterans." Presented at: The 24<sup>th</sup> Annual Meetings of the International Society of Traumatic Stress Studies, Chicago, IL, November, 2008.

Boscarino JA, "A Prospective Study of PTSD and Cardiovascular Mortality among US Veterans." Presented at: The 66<sup>th</sup> Annual Meetings of the American Psychosomatic Society, Baltimore, MD, March, 2008.



Boscarino JA, "The Mortality Impact of Combat Stress Injuries 30 Years after Exposure." Presented at: The 23<sup>rd</sup> Annual Meetings of the International Society of Traumatic Stress, Baltimore, MD, November, 2007.

Trasande L, Boscarino J, Graber N, Falk R, Schechter C, Galvez M, Dunkel G, Geslani J, Moline J, Kaplan-Liss E, Miller RK, Korfmacher K, Carpenter D, Forman J, Balk SJ, Laraque D, Frumkin H, Landrigan P. "Could Children's Environmental Health Clinics be Cost-Effective?" Presented at: The 134<sup>th</sup> Annual Meetings of the American Public Health Association, Boston, MA, November, 2006.

Boscarino JA, "The Psychobiology of Posttraumatic Stress Disorder: Findings and Implications for the Onset and Treatment of Disease." The 45<sup>th</sup> Annual New Clinical Drug Evaluation Unit (NCDEU) Meeting, Sponsored by the National Institute of Mental Health, Boca Raton, FL, June, 2005.

Wallach EJ, Iazzetti L, Bowlby DA, Greig F, Patet A, Hyman S, Boscarino JA, Rapaport R. "Sustained Improvement in Hemoglobin A1C During Long-Term Treatment with Continuous Subcutaneous Insulin Infusion (CSII) in Pediatric Patients." Presented at: the 65<sup>th</sup> Annual Meetings of the American Diabetes Association, San Diego, June, 2005.

Steinbaum DP, Englander L, Balija T, A Tzavaras, Boscarino JA, Laraque D. "Use of a Psychosocial Screen to Detect Children with Post Traumatic Stress Disorder: Does Mother Know Best?" Presented at: The Eastern Society for Pediatric Research, Old Greenwich CT, March, 2005.

Boscarino JA, Figley CR, Adams RE. "The Effectiveness of Employer-sponsored Crisis Interventions after a Major Disaster." Presented at: 8th World Congress on Stress, Coping and Trauma, Baltimore, MD, 2005, February 2005.

Adams RE, Boscarino JA. "Effects of the World Trade Center Disaster on Alcohol Use and Well-being: A Longitudinal Study." American Public Health Association Annual Meeting, Washington, DC, November 2004.

Adams RE, Boscarino JA. "Provider Profiling in New York State and Patient Use of Information about Healthcare Quality." Presented at: Academy Health Annual Research Meeting, San Diego, CA, June 2004.

Boscarino JA. "Exposure to Psychological Trauma and Cardiovascular Disease: Implications from Clinical and Epidemiologic Research." Presented at: American Psychosomatic Society, Orlando, FL, March 2004.

Boscarino JA, Adams RA. "Mental Health and Psychotropic Medication Use in New York 1-Year after Terrorist Attacks." Presented at: International Society for Traumatic Stress Studies Annual Meeting, Chicago, IL, November 2003.

Adams RE, Boscarino JA. "Stress and Well-Being in the Aftermath of the World Trade Center Attack: The Continuing Effects of a Community-Wide Disaster." Presented at: Society for the Study of Social Problems Annual Meeting, Atlanta, GA, November, 2003.

Boscarino JA, Adams RE. "Reported Medical Errors in New York: Implications for Patient Safety and Quality Improvement." Presented at: Fourteenth Annual Symposium on Health Services Research in New York, New York Hospital Foundation and United Hospital Trust, New York, NY, November 2003.

Boscarino JA. "Fear of Terrorism in New York: The Psychological Impact of the Terrorist Attacks." Presented to: The New York Chapter of the American Association of Public Opinion Research, New York, NY, October 2003.

Boscarino JA. "The Association between Posttraumatic Stress Disorder and Physical Illness: Results and Implications from Clinical and Epidemiologic Studies." Presented at: 34<sup>th</sup> Annual Conference of the International Society of Psychoneuroendocrinology, Rockefeller University, New York, NY, September 2003.

Boscarino JA, Figley CR, Adams RE. "Fear of Terrorism in New York on the Brink of War." Presented at: American College of Epidemiology, Chicago, Illinois, September 2003.

Boscarino JA, Figley CR. "Iatrogenic Effects of Studying Persons recently exposed to Psychological Trauma." Presented at: American Psychological Association Annual Meeting, Toronto, Canada, August 2003.

Boscarino JA, Adams RE. "Mental Health Treatment in New York 1-Year after the Terrorist Attacks." Presented at: 20<sup>th</sup> Annual Meeting of Academy Health, Nashville, TN, June 2003.

Adams RE and Boscarino JA. "Patient Perceptions of Quality Care and Provider Profiling in New York State." Presented at: 20<sup>th</sup> Annual Meeting of Academy Health, Nashville, TN, June 2003.

Boscarino JA, Figley CR, Adams RE. "Iatrogenic Effects of Interviewing Patients recently exposed to Psychological Trauma." Presented at: Society for Epidemiologic Research, Atlanta, Georgia, June 2003.

Boscarino JA, Figley CR, Adams RE. "Fear of Terrorism in NY and Its Psychological Impact 1-Year after the September 11 Attacks." Presented at: Society for Epidemiologic Research, Atlanta, Georgia, June 2003.

Boscarino JA. "Post-Traumatic Stress Disorder and Autoimmune Disease among Vietnam Veterans." Presented at: American Psychosomatic Society, Phoenix, Arizona, March, 2003.

Boscarino JA, Galea S, Ahern J, Resnick H, Vlahov D. "Psychiatric Medication use and Mental Health Utilization after the September 11<sup>th</sup> Terrorist Attacks." Presented at: American Public Health Association, Philadelphia, PA, November, 2002.

Boscarino JA, Galea S, Ahern J, Resnick H, Vlahov D. "Access to Psychiatric Services in New York City following the September 11<sup>th</sup> Terrorist Attacks." Presented at: American College of Epidemiology, Albuquerque, New Mexico, September, 2002.

Boscarino JA, Galea S, Ahern J, Resnick H, Vlahov D. "Mental Health Utilization in Manhattan following the September 11<sup>th</sup> Terrorist Attacks." Presented at: Society for Epidemiologic Research, Palm Desert, California, June 2002.

Galea S, Ahern J, Boscarino JA, Resnick H, Vlahov D. "Increased use of cigarettes, alcohol, and marijuana among Manhattan residents after the September 11<sup>th</sup> terrorists attacks" Presented at: Society for Epidemiologic Research, Palm Desert, California, June 2002.

Boscarino JA, Chang J. "The Impact of Race and Socioeconomic Status on Survival 7 Years after Diagnosis of Breast Cancer: The Importance of Assessing Racial and Economic Disparities." Presented at: The Centers for Disease Control's 2001 Cancer Conference, Atlanta, GA, September, 2001.

McGuigan KA, Sokol M, Yao J, Haynes J, Qian Q, Boscarino J, Epstein R. "The Value of Compliance: Evidence from Two Patient Cohorts." Presented at: The Sixth Annual Conference of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Arlington, VA, May, 2001.

Fulop G, Anig E, Brookler R, Luo S., Boscarino J. "Antidepressant Duration and Cost: Acute and Continuation Phases." Presented at: American College of Neuropsychopharmacology, Puerto Rico, December, 2000.

Boscarino JA, Zhao Z, Andrews KW, Sokol MC, Yao J, McGuigan KA, Gutierrez B, Refowitz R. "Identifying Factors associated with High and Low Cost Asthmatics: Opportunities for Disease Management using Automatic Interaction Detection." Presented at: The Fifth Annual Conference of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Arlington, VA, May, 2000.

Zhao Z, Boscarino JA, Deverka PA, Epstein RS, Wang Chin J. "Predicting Drug Spending: Update and Evaluation of a Revised Chronic Disease Score." Presented at: The Fifth Annual Conference of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Arlington, VA, May, 2000.

Andrews K, Boscarino J, Sokol M, Yao J, Powell-Threets K, Maldonado D, Fulop G, Refowitz R. "Potential Cost Associated with Asthma Drug Therapies using Integrated Drug and Medical Claims Data." Presented at: Annual European Conference of the International Society for Pharmacoeconomics and Outcomes Research (ISPOR), Edinburgh, Scotland, November, 1999.

Boscarino JA, Chang J. "Myocardial Infraction Outcomes at 5 Facilities: Implications for Quality Improvement." Presented at: American Public Health Association, 126th Annual Meeting, Medical Care Division, Washington, DC, November, 1998.

Boscarino JA, Chang J. "Prostate Cancer Survival 6 Years after Diagnosis and Community Socioeconomic Status." Presented at: Association for Health Services Research, 15th Annual Meeting, Washington, DC, June, 1998.

Boscarino JA, Chang J. "Open Heart Surgery Survival is Associated with Socioeconomic Status." Presented at: The Society for Epidemiologic Research, 31th Annual Meeting, Chicago, 1998.

Boscarino JA, Chang J. "Analysis of Post-Operative Coronary Artery Bypass Graft Surgery Complications at Three Tertiary Care Facilities: Implications for Improving Surgical Outcomes." Presented at: American Public Health Association, 125th Annual Meeting, Medical Care Division, Indianapolis, November, 1997.

Boscarino JA, Chang J. "Assessing the Effectiveness of a New Respiratory Therapy Protocol for CABG Patients: Promises and Complexities of Outcomes Research." Presented at: Association for Health Services Research, 14th Annual Meeting, Chicago, June, 1997.

Boscarino JA, Chang J. "Outcomes Following Coronary Artery Bypass Graft Surgery and Socioeconomic Status." Presented at: The Society for Epidemiologic Research, 30th Annual Meeting, Edmonton, Alberta, Canada, June 1997.

Boscarino JA, Chang J. "Electrocardiographic Abnormalities among Men 20 Years after Severe Stress," Presented at: The Society for Behavioral Medicine, 18th Annual Meeting, San Francisco, April, 1997.

Boscarino JA. "Immune Functioning among Vietnam Veterans 20 Years after Combat: Implications for Gulf War Syndrome." Presented at: The Society for Epidemiologic Research, 29th Annual Meeting, Boston, June, 1996.

Boscarino JA. "Post-Traumatic Stress Disorder (PTSD) and Lower Plasma Cortisol Levels Among A National Sample of Vietnam Veterans." Presented at: American Public Health Association, 122nd Annual Meeting, Washington, DC, November, 1994.

Boscarino JA, Avins AL, Woods WJ, Lindan CP, Hudes ES, Clark WW. "Alcohol-Related Factors Associated with HIV Infection Among Alcoholics Entering Treatment." Presented at: Tenth International AIDS Conference, Yokohama, Japan, 1994.

Avins AL, Woods WJ, Lindan CP, Boscarino JA, Hudes ES, Clark WW, Hulley SB. "Changes in High-Risk Behaviors among Heterosexuals Following Alcohol and Drug Treatment." Presented at: Tenth International AIDS Conference, Yokohama, Japan, 1994.

Boscarino JA. "Forecasting and Improving Quality Patient Care." Presented at: Foundation of the American College of Health Care Executives' 32nd Annual Congress, Chicago, 1989.

Boscarino JA. "Using Community Surveys to Mitigate the Impact of Negative Publicity and Prevent a Public Relations Crisis." Presented at: National Health Care Marketing Symposium, Orlando, 1989.

J.A. Boscarino. "The Hospital Rating Index: A New Way to Assess Public's Ratings of Hospitals." Presented at: American Marketing Association's Marketing Innovations Conference, Chicago, 1988.

Boscarino JA. "Analyzing Health Care Market Data and Effectively using the Results." Presented at: American Marketing Association's Marketing Fundamentals Conference, Baltimore and Portland, 1988.

Boscarino JA. "Market-Based Feasibility Modeling: A New Interactive Management Tool." Presented at: 8th Annual Symposium for Health Care Marketing, New Orleans, 1988.

Boscarino JA. "Predicting Patient Demands for Hospital Services." Presented at: Foundation of the American College of Health Care Executives' 30th Annual Congress, Chicago, 1987.

Boscarino JA. "Collecting Strategic Market Data on the Employer Market." Presented at: 7th Annual Symposium for Health Care Marketing, San Diego, 1987.

Boscarino JA. "Marketing Health Care Services to Women: Successes and Failures." Presented at: American Hospital Association's Women's Health Services Conference, Long Beach, 1987.

Boscarino JA. "Gathering Strategic Market Data on Area Medical Staff and Using it Effectively." 2nd National Forum for Medical Staff Marketing, Scottsdale, 1986.

Boscarino JA and Steiber SR. "Emergency Services: New Market Opportunities for Hospitals?" Presented at: National Health Care Marketing Symposium, Kansas City, 1985.

Boscarino JA. "Identifying Strategic Market Positions for New Health Care Services." 4th Annual Symposium for Health Care Marketing, Fort Lauderdale, 1984.

Boscarino JA. "Conducting Market Research for Mental Health Services." Presented at: Aspen Systems' Marketing Mental Health and EAP Services Seminar, Aspen, 1983.

Boscarino JA and Steiber SR. "Hospital Shopping and Consumer Choice." Presented at: 2th Annual Symposium for Health Care Marketing, New Orleans, 1982.

Boscarino JA and Figley CR. "Alcohol Abuse and Post-traumatic Stress Disorder (PTSD) among Vietnam Veterans: A Possible Link." Presented at: 30<sup>th</sup> Annual Meeting of the Society for the Study of Social Problems, Toronto, 1981.

Boscarino JA. "Ethnic Differences in Drinking Behavior: A Comparison of Irish, English, Italian, and Jewish Drinking Patterns." Presented at: 29<sup>th</sup> Annual Meeting of the Society for the Study of Social Problems, New York, 1980.

Boscarino JA. "Excessive Drinking among Vietnam Veterans: A Possible Symptom of Post-traumatic Stress." Eastern Sociological Society's Annual Meeting, Boston, 1980.

Boscarino JA. "Current Drug Involvement among Vietnam and Non-Vietnam Veterans." Presented at: 28<sup>th</sup> Annual Meeting of the Society for the Study of Social Problems, Boston, 1979

### **Computer and Software Experience**

Certified in computer programming. Experience with mainframe, mini-computers and micro-computers. Familiar with IBM JCL, SQL and Information Warehouse architecture/design. Software experience includes SAS, STATA, SPSS, CHAID, nQuery, S-Plus, Missing Value Analysis, LogXact, LISREL, Excel, Access, Power Point, Microsoft Project, VISIO.

### **Awards**

Summa Cum Laude – Fordham University  
Outstanding Young Man of America Award  
Listed in Who's Who in the Midwest, 19th Edition  
Listed in Who's Who in the World, 8th Edition  
Listed in Who's Who in America, 55th Edition  
Awarded Lifetime Honorary Membership in Vietnam Veterans of America  
Elected to APA Fellow Status – Division 56, Trauma Psychology, American Psychological Association  
Lifetime Achievement Award in Traumatic Stress Research, International Society of Traumatic Stress Studies  
Appointed to Institute of Medicine, National Academy of Sciences, Washington, DC, SHAD-II Committee

### **Professional Membership**

American College of Epidemiology  
American Psychological Association – APA Fellow Status  
American Psychosomatic Society  
American Society of Human Genetics

**Current Grants/Funding**

SRC-S-015

Geisinger Clinic

Boscarino – PI

2/15/13 – 2/1/13

*A Study of Mental Health Disorders and Treatment-seeking following Hurricane Sandy at Jersey Shore*

This is a pilot study related to assessment of the immediate aftermath of Hurricane Sandy at the Jersey Shore being conducted in collaboration with our study partner, Meridian Health of Monmouth and Ocean County, New Jersey.

Geisinger Auxiliary Fund

Boscarino – PI

6/1/011 – 5/31/13

*The Veterans' Cohort Study*

The purpose of this study is to conduct a health assessment of deployed veterans seen in Geisinger Clinic.

Patients were identified with a grant funded by the Kline & Ditty Health Fund (Boscarino, PI). We have recruited a sample of 700 combat veterans for a study of the health consequences of war-zone exposure, including PTSD, depression, substance misuse, and cardiovascular disease.

Role: Study PI

Amgen

Boscarino – PI

2/1/13 – 1/31/14

*A Claims-based Algorithm to Examine the Cost Effectiveness RA Medication Management*

The purpose of this study is to develop a claims-based algorithm to study the cost effectiveness RA medication management in clinical practice.

Role: Study PI

HHSF22391005T-A

DHHS/FDA

Davis – PI

9/9/11 – 9/8/13

*Study for Identification of Severe Cutaneous Reactions and Genomic Risk Factors in Users of Antiepileptics*

This is a multi-site FDA study of the genetic risk factors for severe cutaneous reactions, specifically Stevens-Johnson Syndrome (SJS) and Toxic Epidermal Necrolysis (TEN) in users of antiepileptic medications.

Role: Site PI

AHRQ

R01-HS019912

Daley – PI

6/1/10 – 11/30/13

*Scaleable Partnering Network for Cost Effectiveness Research*

This is a multi-site National HMO Research Network (HMORN) study that is assessing the incidence and prevalence of ADHD disorders among younger children across multiple healthcare sites, as well as the ADHD prescribing patterns common among such patients.

Role: Co-Investigator

MAO# 481-09SC

Centers for Disease Control

Gordon – PI

10/1/10 – 12/31/14

*Chronic Hepatitis B & C Longitudinal Cohort Study*

This is a 5-year, longitudinal cohort study of chronic hepatitis B & C infection among patients in four National HMO Research Network sites. To date 20,000 patients have been identified. The objectives of this study are to characterize the epidemiology and etiology of chronic hepatitis B & C infection, to assess the effectiveness of new antiviral drug treatments, and to assess the mental health status of these patients.

Role: Site PI

Janssen Scientific

Stewart – PI

7/1/12 – 11/30/13

*The Longitudinal Impact of RA Disease Progression on Healthcare Costs*

The focus of this study is to assess the longitudinal impact of RA disease progression on healthcare costs among a cohort of Geisinger's RA patients.

Role: Site PI

Contract # CW10255274

Pfizer

Stewart – PI

12/01/11 – 6/30/13

*Primary Care Detection and Management of Chronic Low Back Pain Disorders in Clinical Practice*

The purpose of this study is to develop new clinical models of chronic low back pain detection and management in primary care and to demonstrate the cost-effectiveness advanced pain management.



The purpose of this project is to continue a needs assessment and provide mental health services to returning OEF/OIF veterans being treated at Geisinger's primary care sites and to evaluate the impact of this intervention.  
Role: Co-Investigator

PA DOH SAP# 4100047760

PA Department of Health Paolucci – PI 1/1/09 – 6-30/10

Reaching Rural Veterans Initiative

The purpose of this project is to conduct a needs assessment and provide mental health services to returning OEF/OIF veterans being treated at Geisinger's primary care sites and to evaluate the impact of this intervention.  
Role: Co-Investigator

GMC SRC-041

Geisinger Clinic & CHR Boscarino – PI 6/1/08 – 7/31/09

Exposure to Trauma, PTSD & Health Outcomes after Trauma Treatment

The purpose of this study is to assess the risk for posttraumatic stress disorder (PTSD) and mild traumatic brain injury (MTBI) among adults recently exposed to major traumatic events. The secondary purpose is to assess the post-discharge service needs among adult trauma patients in Pennsylvania. For this study, we are recruiting a sample of ~250 patients who were treated at Geisinger's Trauma Center after discharge.  
Role: Study PI

TRA-015

Geisinger Clinic Boscarino – PI 10/15/06 – 7/31/09

Opioid Addiction and Chronic Pain: Genetic & Environmental Factors

This study is assessing the genetic & environmental risks for addiction to opioids, based on a cross-sectional candidate-gene study design among 705 chronic back-pain patients seen at Geisinger. The genes investigated include: BDNF, COMT, DRD1, DRD2, DRD3, DRD4, MOA, NPY, CHRNA3, CHRNA5, FKBP5, CRN, OPRM1, GABRA2, and SLC6A4. The main environmental exposure of interest is exposure to psychological trauma.  
Role: Study PI

GHSF #752109 & 752170

Kline & Ditty Health Fund Boscarino – PI 6/1/08 – 8/31/09

The Veterans Health Project

The purpose of this project is to develop a veterans' health registry over the next 12 months. The second phase is to conduct a descriptive study of utilization/health problems experienced by different era veterans compared to non-veterans. The plan is to use these data in future biomedical investigations.  
Role: Study PI

PA DOH SAP # 4100042573

PA Dept. Emergency Services Boscarino – PI 7/1/07 – 8/31/08

Treatment Seeking & Treatment Effectiveness following the World Trade Center Disaster

The purpose of this study was to assess access to mental health care, delayed treatment seeking, and the effectiveness of brief mental health treatments following the WTC attack in New York City. The goal of this study is to identify "best practices" for emergency mental following traumatic event exposures.  
Role: Study PI

JNJ-07-02

Boscarino – PI 9/1/06 – 12/31/07

Cenicore Pharmaceutical

TNF-alpha Medication Outcome Study

This was a study that assessed the effectiveness (including functional health status, healthcare utilization, and costs) of TNF-alpha inhibitor medications for ~ 800 patients treated for rheumatoid arthritis over 3 years.  
Role: Study PI

R25 MH070552

Kilpatrick – PI 3/1/04 – 2/28/07

NIMH

Disaster Research Education and Mentoring

This was a disaster-training grant in collaboration with Medical University of South Carolina and University of Michigan to train health professionals in disaster research.  
Role: Co-Investigator

R01 MH66403

Boscarino (PI) 8/1/02 – 7/31/06

NIMH

Impact of Mental Health Services in NY after WTC Disaster

This study assessed community mental health service utilization, access to care, and treatment outcomes in New York City among ~2,400 New York adults after the World Trade Center disaster.

Role: Study PI

R01 MH66391

Vlahov (PI)

9/1/02 – 8/31/05

NIMH

Longitudinal Study of Mental Health in NYC after WTC Disaster

This was an epidemiological study of the mental health sequelae associated with the World Trade Center Disaster in NYC among 2,500 adults exposed to this event.

Role: Co-Investigator

American Red Cross Fund

Laraque – PI

4/1/05 – 3/31/06

ARCF

Reaching Children Initiative through Primary Care Post-9/11

This was an intervention study to assess the effectiveness of a training program for healthcare professionals in the tri-state area (NY, NJ, CT) related to provision of post-9/11 mental services and disaster medicine services.

Role: Co-Investigator

Contract M000033

Boscarino – PI

10/1/02 – 12/31/03

NYS Office of Science, Technology, & Academic Research

The New York State Quality Improvement Project-I

This project focused on how New Yorkers make decisions about health care providers and assess quality care. The project goal was to learn more about use of consumer choice in improving the quality of care in New York State.

Role: PI

RWJF Grant # 045845

Boscarino – PI

1/2/03 – 12/31/04

Robert Wood Johnson Foundation

The New York State Quality Improvement Project-Phase II

The goal of this research was to better understand consumer perceptions and needs related to improving the quality of care in the state. This study expanded the scope of the NYS Office of Science, Technology, & Academic Research quality grant previously mentioned above.

Role: PI

**Selected Past Healthcare Research and Consulting Assignments**

Successfully competed for and managed millions of dollars in research and consulting contracts over course of professional career. A selected list of funders include:

American Medical Association - Chicago, IL

Canadian Cancer Society - Toronto, Canada

Ontario Counsel on Drug Abuse - Ontario, Canada

The Gallup Organization - Columbia, MD

The Signature Group - Schaumburg, IL

University of Michigan Medical Center - Ann Arbor, MI

Henry Ford Hospital - Detroit, MI

Charter Southland Hospital - Mobile, AL

Vanderbilt Medical Center - Nashville, TN

Marshfield Clinic - Marshfield, WI

Baptist Medical Centers - Birmingham, AL

Evangelical Health Systems - Oak Brook, IL

Yale University - New Haven, CT

Bethesda Hospital Association - Denver, CO

Brookfield Clinics - Detroit, MI

Borgess Medical Center - Kalamazoo, MI

Genesee Valley Group Health Association - Rochester, NY

Health Alliance Plan - Detroit, MI



Cottage Hospital - Grosse Pointe Farms, MI  
Silver Cross Hospital - Joliet, IL  
Blodgett Medical Center - Grand Rapids, MI  
Chicago Osteopathic Medical Center - Chicago, IL  
Holy Cross Hospital - Detroit, MI  
Lansing General Hospital - Lansing, MI  
St. Frances Cabrini Hospital - Chicago, IL  
St. Vincent Hospital - Toledo, OH  
Medical University of South Carolina - Charleston, SC  
Medical Society of New York State - Lake Forest, NY  
Michael Reese Hospital - Chicago, IL  
Mercy Hospital - Charlotte, NC  
Illinois Hospital Association - Naperville, IL  
St. Agnes Hospital - Baltimore, MD  
St. Joseph's Medical Center - South Bend, IN  
Tri-County Mental Health Center - North Kansas City, MO  
CamCare Health Corporation - Camden, NJ  
Griffin Hospital - Darby, CT  
Michigan Osteopathic Medical Center - Detroit, MI  
St. Joseph's Hospital - Paris, TX  
North Kansas City Hospital - North Kansas City, MO  
Sturdy Memorial Hospital - Attleboro, MA  
Sherman Hospital - Elgin, IL  
Palos Community Hospital - Palos Heights, IL  
St. Mary Hospital - Quincy, IL  
Christ Hospital - Oak Lawn, IL  
Elmhurst Memorial Hospital - Elmhurst, IL  
Northern Michigan Hospitals Corporation - Petoskey, MI  
Mercy-Memorial Hospital - Monroe, MI  
Grant Hospital - Chicago, IL  
Parkside Associates – Park Ridge, IL  
Lutheran General Hospital – Park Ridge, IL  
Catholic Health Initiative - Denver, CO  
Health Enhancement Research Organization - Birmingham, AL

**Scientific Peer-Review Experience (Selected)**

American Journal of Epidemiology  
American Journal of Psychiatry  
American Journal of Public Health  
Archives of General Psychiatry  
Biological Psychiatry  
Journal of the American Medical Association  
Journal of Consulting and Clinical Psychology  
Journal of Healthcare Management  
Journal of Nervous and Mental Disease  
Journal of Public Health Management and Practice  
Journal of Studies on Alcohol  
Journal of Traumatic Stress  
Journal of Urban Health  
Psychiatric Services  
Psychosomatic Medicine  
Preventive Medicine  
Medical Care  
New England Journal of Medicine

**Editorial Boards**

Associate Editor - International Journal of Emergency Mental Health

### **Recent Grant Reviews**

National Institutes of Mental Health - ad hoc reviewer  
Veterans Affairs Central Office, Washington, DC – ad hoc reviewer  
Department of Defense – ad hoc reviewer

### **Successful Patent Applications**

Patent No. 7,725,327, Computer System and Method for Generation of Healthcare Risks, K.J. Bradbury, G. Fulop, J.A. Boscarino, K.A. McGuigan, & Q.Qian, Assigned to Medco Health Solutions Inc., Franklin Lakes, N.J.

### **Military Experience**

*Vietnam veteran:* Served in the US Army from August 1964 to December 1966, including 14 months with Battery D, 6<sup>th</sup> Battalion, 71st Artillery Regiment as a combat artilleryman (MOS 16D), assigned to the Military Assistance Command Vietnam (MACV), II Corps Theater of Operations.

**References** (upon request)

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