

JOHN EDWARD ZEBER

jzeber@umass.edu

Education:

- **University of Michigan** *Doctor of Philosophy (2004): Health Services Organization & Policy (HSOP) – Sociology cognate*
- **University of Washington** *Masters of Health Administration (1998)*
- **Occidental College** *Bachelor of Arts, Economics (1987)*

Post-graduate Training:

- **University of Texas Health Science Center, San Antonio** – Multi-disciplinary Clinical Research Scholars Training Program (K12) awardee (Fall 2006-Fall 2008).
- **Veterans Affairs Health Services Research & Development (HSRD), San Antonio (VERDICT)** – Post-Doctoral Fellowship (Oct 2004 – September 2006)

Summary of Professional Experience, Research Interests, and Academic Goals:

Following a successful and rewarding past two decades of experience conducting health services research while helping develop research centers and mentoring numerous junior investigators, I recently committed to a new professional trajectory as a full-time academic faculty member. Here I look forward to sharing my research and administrative expertise with new colleagues and students at Umass Amherst, to contribute knowledge and enthusiasm in creating further innovative work in public health policy. As I develop a teaching portfolio and new institutional service, I continue to devote substantial attention to research interests honed over 20 plus years in this field. My primary objectives have focused on three major, frequently overlapping topics: 1) health outcomes for patients with serious mental illness (schizophrenia, bipolar disorder, PTSD, depression), including medical comorbidities; 2) patient decisions surrounding medication and treatment adherence, along with the potential clinical and financial ramifications; 3) understanding and reducing ethnic, gender, access or other disparities in access to care and outcomes. A recent new emphasis area has explored implementation of innovative “no-touch” hospital technologies, including my VA R01 on portable ultraviolet ray devices, and currently a funded study utilizing copper-infused room surfaces to reduce serious infections. I have gained a national and international reputation in these areas, including invited talks and conference presentations, plus several highly cited publications, with my studies on pharmacy copayments highlighting a VA report concerning its policy effects and later a Washington Post lead article featured my work on ethnic disparities in psychiatric diagnosis, followed by an invitation to speak at a Congressional Black Caucus event. I have served on two expert panels on medication adherence, including ongoing work with an international organization, contributed effort to journal editorial boards as an associate editor, along with a stint as guest journal editor for a special ethnicity issue of Depression Research & Treatment. From collaborative work across the VA and academic partnerships, I have also accumulated significant experience on projects pertaining to understanding patient treatment preferences, enhanced implementation of the chronic care model or patient-centered medical home principles, cost-effectiveness analysis, and a growing portfolio in the topic of infectious disease prevention. At this stage of my professional development, I wish to translate this diverse, lengthy experience with mentoring or consulting with academic faculty in health policy into a more active teaching role at the undergraduate and graduate levels.

Professional Experience:

Academia / Health Services Research

University of Massachusetts at Amherst – Amherst, MA (September 2018 to present): Associate Professor, School of Public Health & Health Sciences - Department Health Promotion & Policy; Program Director, Health Policy & Management. Responsible for teaching undergraduate and graduate courses in health administration and related fields, developing health services research within the department, establishing collaborations with UMass faculty and external researchers, and helping run one of the two central programs. Also serving on departmental personnel committee, advisory board for UMass Health policy Research Laboratory, and other school and department roles.

Central Texas Veterans Health Care System – Temple, TX (September 2010 to present): Investigator. Continuing as a part-time funded researcher in addition to establishing collaborations at the Leeds VA, focusing on projects pertaining to infectious disease, mental health, and related medical comorbidities.

Baylor Scott & White Healthcare: Center for Applied Health Research (CAHR) and Central Texas Veterans Affairs – Temple, TX (September 2010 to 2018): [promoted to Senior Investigator (August 2017), CAHR & Co-Director Health Services Outcomes Core / VA Investigator]. Recruited to help start a new applied health research and outcomes center at Baylor Scott & White, in joint effort with the Central Texas VA. Cross-divisional center devoted to translational and outcomes research for patients for chronic medical and psychiatric conditions, mentoring and professional development, and collaboration across Health Care Systems Research Network members.

Veterans Evidence-Based Research, Dissemination, and Implementation Center (VERDICT): South Texas Veterans Affairs HSRD – San Antonio, TX (2004-2010): Investigator. The two-year post-doctoral appointment transitioned into full position as VA investigator, with both practical research experience and ongoing didactic education. Projects to include dissertation follow-up efforts, other manuscripts, collaboration with VA and university investigators, conference presentations, and development of research grants. Ongoing collaboration is planned on several projects, following transition to positions in Temple.

Veterans Health Administration, Health Services Research & Development – Ann Arbor, MI (1999-2004): Research Associate with the Serious Mental Illness Treatment Research and Evaluation Center (SMITREC). Diverse responsibilities include grant preparation, database management, literature reviews, authorship on papers, conference presentations, involvement with special projects (e.g. national registry of veterans with schizophrenia, medication adherence), survey coding, and data analysis. Increasing emphasis in the specialty area of depression and schizophrenia research topics.

University of Washington, Health Services Department – Seattle, WA (1998): Research Assistant position under Doug Conrad, Ph.D. on a grant-supported case study textbook for health administration students. Involved with interviewing senior management of several healthcare organizations, data collection (quantitative and qualitative) and analysis, and drafting of three chapters. Teaching assistant: led group discussions, conducted lectures, reviewed assignment and examinations, and provided general assistance for several courses on introductory statistics and quantitative methods.

Other Academic Appointments

Texas A&M University Health Science Center (TAMHSC), Department of Medicine: Associate Professor (July 2011 – present). Occasional lectures, course development, faculty collaboration, and mentoring of students, residents, and fellows interested in research.

Texas A&M Rural School of Public Health, Health Promotion and Community Health Sciences: Joint Associate Professor (February 2012 – present). Periodic talks and lectures, mentoring doctoral students and clinical researchers.

University of Texas Health Science Center at San Antonio (UTHSCSA), Department of Psychiatry: Assistant Professor (September 2006 – 2010; adjunct through 2019). Active involvement in funded projects, occasional lectures, interdisciplinary research, and career development activities.

University of Texas School of Public Health, Division of Management, Policy and Community Health: adjunct faculty appointment as associate professor (April 2005 – 2016). Similar to above roles; also co-developed a course in Health Management and Policy, for MHA program (Spring-Summer 2008)

Provider Relations

Group Health Cooperative – Seattle, WA (1996-1998): Data Analyst for large provider network region, involved with contract renewals, hospital performance, and network expansion. Exposure to massive database information, RVRBS and conversion factor comparison, plus statistical, spreadsheet and quantitative analysis.

Inland Behavioral Medical Group – Upland, CA (1995): Provider Relations Manager. Responsible for developing a psychiatric provider network with a growing Independent Physicians Association (PA). Involved with marketing, credentialing and database management.

Office Management & Administrative

PLP & Associates – Pasadena, CA (1991-1995): Business Manager. Sole responsibility for managing psychological group and outpatient eating disorders clinic. Budgeting, payroll, policy development, tax preparation, financial analysis, marketing, patient intake, and managed care coordination for \$500,000 practice. Discretion given to initiate projects and explore business options.

Wanda B. Olsen, M.D. – Pasadena, CA (1989-1990): Office Manager. Daily management of private psychiatry office, billing/ receivables, scheduling, hospital coordination, patient referrals, other responsibilities.

Hospital & Nursing

Las Encinas Hospital – Pasadena, CA (1987-1989): Served in different nursing roles, including private duty and floor capacities. Later appointed as Admissions Supervisor / Acting Director, in addition to evening supervision.

Beverly Enterprises – Riverside, CA (1984-1987): Numerous departments at long-term psychiatric hospital during college vacations, including nursing (certified nurses assistant), floor supervision, medical records, activities, program coordination, and front office.

RESEARCH EXPERIENCE

National or International Advisory Groups / Boards and Leadership Roles:

- *International Society of Pharmacoepidemiology & Research*, medical adherence working group: 2011 – present [3 publications, 1 invited letter, several conference presentations]
- *Family Practice* journal, Associate Editor: 2017 – present
- *Health Care System Research Network*, governance board member: 2015 – 2018 [site representative to this national organization ; planning committee for 25th annual research meeting, 2019]
- *Mental Health Research Network*, site lead and co-investigator: 2011 – 2018 [donated effort then funded health system lead for this national organization]
- *World Journal of Psychiatry*, editorial board member: 2014 – present
- *Academy Health*, behavioral health advisory board member: 2013 – 2019
- *Women's Veterans National Practice-Based Research Network*, site lead and investigator for Central Texas VA: 2012 – 2018
- *Central Texas VA*, chair of Institutional Review Board: 2011 – 2017

Publications: Google Scholar = 5,691 citations; H-index = 38; i10 index = 78; published in 68 different journals

Zeber JE, Chatterjee P, Williams MD, Coppin JD, Allton Y, Choi H, Nelson RE, Jinadatha C. “The benefits of antimicrobial patient room surfaces on bio-burden levels and healthcare-acquired infections: a protocol study” [manuscript under review, *Implementation Science*]

Copeland LA, Vogt D, Aronon KR, Zeber JE. “Timing of PTSD symptoms following post-deployment transition” [under review, *Journal of Trauma*]

David N, Copeland LA, Zeber JE, Rad A, Blackburn D. “The Role of Psychological Evaluation for Bariatric Surgery as an Indicator of Health and Psychiatric Outcomes at 1, 3, and 5 years Following Surgery”. [manuscript under review; *Eating and Weight Disorders*]

116) Choi H, Chatterjee P, Hwang M, Huber TW, Stock EM, Lukey JS, Zeber JE, Jinadatha C. “Can multidrug resistant organisms become resistant to UV light following serial exposures?”. in press, *Infection Control & Hospital Epidemiology*

115) Chatterjee P, Zeber JE, Williams MD, Jinadatha C. “Challenges in using a cold spray copper surface technology to combat healthcare-associated infections.” [invited letter] in press, *Infection Control & Hospital Epidemiology*

114) Geissler K, Cooper M, Zeber JE. (2020). “Association of follow-up after an emergency department visit for mental illness with utilization based outcomes”. in press, *Administration & Policy in Mental Health Services*

113) Cook JM, Zeber JE, Simiola V, Rossom R, Scherrer JF, Owen-Smith AA, Ahmedani BK, Zolfaghari K, Copeland LA. “Comparisons between patients diagnosed with PTSD in primary versus mental health care: data from five large health care systems across the U.S.” in press; *Journal of Clinical Psychology in Medical Settings*

112) Le S, Copeland LA, Zeber JE, Bengte J, Allen L, Cho J, Liao IC, Rasmussen J. (2020). “Factors affecting time between symptom onset and emergency department arrival in stroke patients”. *eNeurologicalSci*, 21:100285.

- 111) Chatterjee P, Williams MD, Coppin JD, Allton Y, Choi H, Martel JA, Zeber JE, Nelson RE, Donskey CJ, Jinadatha C. (2020). "Effectiveness of copper-impregnated solid surfaces on lowering microbial bio-burden levels in an acute care hospital". *Open Forum Infectious Diseases*, 8:1-5.
- 110) Merced K, Imel ZE, Baldwin SA, Fischer H, Yoon T, Stewart C, Simon G, Ahmedani BA, Beck A, Daida Y, Hubley H, Rossom R, Trinacty C, Waitzfelder B, Zeber JE, Coleman KJ. (2020). "Provider contributions to disparities in mental health care". *Psychiatric Services*, 71(8):765-71.
- 109) Chin DL, Zeber JE. (2020). "Mental health outcomes among military service members after severe injury in combat and TBI". *Military Medicine*, 185(6):e711-8.
- 108) Geissler KH, Zeber JE. (2020). "Primary care physician referral patterns for behavioral health diagnoses". *Psychiatric Services*, 71(4):389-92.
- 107) Pednekar P, Ágh T, Peterson AM, Zeber JE. (2020). "Conceptual and clinical issues concerning measurement of medication adherence" [invited letter]. *Value in Health*, 23(3):407-8.
- 106) Owens-Smith A, Stewart C, Sesay M, Strasser SM, Yarborough B, Ahmedani B, Miller-Matero LR, Waring SC, Haller IV, Waitzfelder BE, Sterling SA, Campbell CI, Hechter RC, Zeber JE, Copeland LA, Scherrer JF, Lu CY, Rossom R, Simon GE. (2020). "Chronic pain diagnoses and opioid dispensings among insured individuals with serious mental illness". *BMC Psychiatry*, 20(1):1-10.
- 105) Coppin JD, Copeland LA, Zeber JE, Jinadatha C. (2020). "Methods of a study of terminal cleaning of patient rooms" [invited letter]. *Infection Control & Hospital Epidemiology*, 41(3):375.
- 104) Zeber JE, Coppin JD, Villamaria FC, Williams MD, Copeland LA, Chatterjee P, Choi H, Jinadatha C. (2019). "Use of ultraviolet irradiation in addition to commonly used hospital disinfectants or cleaners further reduces the bioburden on high touch". *Open Forum Infectious Diseases*, 17(6):12.
- 103) Beidas RS, Jager-Hyman S, Becker-Haimes EM, Wolk CB, Ahmedani BK, Zeber JE, Fein JA, Brown GK, Gregor CA, Lieberman A, Marcus SC. (2019). "Acceptability and use of evidence-based practices to promote safe firearm storage in pediatric primary care for suicide prevention: a survey in two health systems". *Academic Pediatrics*, 19:670-6. PMID:30508600.
- 102) Jager-Hyman S, Wolk CB, Ahmedani BK, Zeber JE, Fein JA, Brown GK, Byeon V, Listeruda H, Gregor CA, Lieberman A, Beidas RS. (2019). "Perspectives from firearm enthusiasts on firearm safety promotion in pediatric primary care as a universal suicide prevention strategy: a qualitative study". *Journal of Behavioral Medicine*, 42:691-701. PMID: 31367934.
- 101) Coppin JD, Villamaria FC, Williams MD, Copeland LA, Zeber JE, Jinadatha C. (2019). "Increased time spent on terminal cleaning of patient rooms may not improve disinfection of high-touch surfaces". *Infection Control & Hospital Epidemiology*, 40(5):605-6. PMID:30905326.
- 100) Pednekar P, Ágh T, Raval AD, Malmenas M, Bennett B, Manias EF, Borah BJ, Bunz TJ, Hutchins D, Hilgsmann M, Turcu-Stiolica A, Williams AF, Zeber JE, Abrahamyan L, Peterson AM. (2019). "Measurement issues in defining and determining adherence to multiple medications". *Value in Health*, 22:139-56. PMID:30711058.
- 99) Copeland LA, Zeber JE, Thibodeaux LV, McIntyre RT, Stock EM, Hochhalter AK. (2018). "Post-discharge correlates of health literacy among medicaid inpatients". *Population Health Management*, 21(6):493-500. PMID:29596034.

- 98) Wolk CB, Van Pelt AE, Jager-Hyman S, Ahmedani BK, Zeber JE, Fein JA, Brown GK, Gregor CA, Lieberman A, Beidas RS. (2018). "Stakeholder perspectives on the implementation of a firearm safety intervention in pediatric primary care as a universal suicide prevention strategy". *JAMA Open*, 1(7):e185309. PMID:30646398.
- 97) Stock EM, Zeber JE, McNeal CJ, Banchs JE, Copeland LA. (2018). "Psychotropic pharmacotherapy associated with QT prolongation among veterans with posttraumatic stress disorder". *Annals of Pharmacotherapy*, 52(9):838-48. PMID:29642718.
- 96) Waitzfelder B, Stewart C, Coleman K, Rossom R, Ahmedani B, Beck A, Zeber JE, Daida Y, Trinacty C, Hubley S, Simon G. (2018). "Treatment initiation for new episodes of depression diagnosed in primary care settings". *Journal of General Internal Medicine*, 33(8):1283-91. PMID:29423624.
- 95) Zeber JE, Pfeiffer C, Baddley J, Cadena-Zuluaga J, Copeland LA, Stock EM, Hendricks J, Mohammadi J, Restrepo MI, Jinadatha C. (2018). "The effect of pulsed-xenon ultraviolet room disinfection devices on microbial counts for methicillin-resistant staphylococcus aureus and aerobic colonies". *American Journal of Infection Control*, 46:688-73. PMID:29655672. [** lead article featured in VA Office of Research & Development newsletter, May 2018]
- 94) Stock EM, Stamey JD, Zeber JE, Thompson AW, Copeland LA.. (2018). "A Bayesian approach to modeling risk of hospital admissions associated with schizophrenia accounting for under-diagnosis of the disorder in administrative records". *Computational Psychiatry*, 2:1-10. PMID:30090859.
- 93) Cho J, Stock EM, Quinn CC, Zeber JE, Ahmedani BK, Basu R, Quinn C, Liao I, Copeland LA. (2018). "Multiple chronic condition profiles and mortality among oldest-old male patients with hip fracture: data from the Veterans Health Administration". *Journal of Gerontology & Geriatrics*, 74:184-190. PMID:29126081.
- 92) Zeber JE, Coleman KJ, Fischer H, Yoon T, Ahmedani BK, Beck A, Hubley S, Imel Z, Rossom R, Shortreed S, Stewart C, Waitzfelder BE, Simon G. (2017). "The impact of race and ethnicity on rates of return to psychotherapy for depression". *Depression & Anxiety*, 34:1157-63. PMID:29095538.
- 91) Wolk CB, Jager-Hyman S, Marcus SC, Ahmedani BK, Zeber JE, Fein JA, Brown GK, Lieberman A, Beidas RS. (2017). "Developing implementation strategies with stakeholders to promote firearm safety as a suicide prevention strategy in pediatric primary care". *BMJ Open*, v7:e1044067. PMID:28647722.
- 90) Coppin JD, Villamaria FC, Williams MD, Copeland LA, Zeber JE, Jinadatha C. (2017). "Self-sanitizing embedded-copper surfaces in the patient room for infection control". *American Journal of Infection Control*, 45(6):692-4. PMID:28237738.
- 89) Dixon JL, Copeland LA, Zeber JE, MacCarthy AA, Reznik SI, Smythe RW, Rascoe PA. (2016). "Association between diabetes and esophageal cancer, independent of obesity, in the US Veteran's Affairs (VA) population." *Diseases of the Esophagus*, v29(7):747-51. PMID:26455587.
- 88) Stock EM, Copeland LA, Tsan JY, Zeber JE, Verontin MA, Thompson AW. (2016). "Method of analysis as a factor in models of admission among veterans of Iraq and Afghanistan deployments". *Military Medicine*, 181(10):1248-57. PMID:27753560.

- 87) Rossom RC, Shortreed S, Coleman KJ, Beck A, Waitzfelder BE, Stewart C, Ahmedani B, Zeber JE, Simon GE. (2016). "Predictors of antidepressant adherence across diverse healthcare settings". *Depression & Anxiety*, 33:765-774. PMID:27320786.
- 86) Coleman KJ, Stewart C, Waitzfelder B, Zeber JE, Morales L, Ahmed A, Ahmendani B, Beck A, Copeland LA, Cummings J, Hunkler E, Lindberg N, Lynch F, Lu C, Owen-Smith A, Quinn V, Trinacty CM, Whitebird R, Simon GE. (2016). "Racial and ethnic differences in diagnoses and treatment for mental health conditions across healthcare systems participating in the mental health research network". *Psychiatric Services*, 67(7):749-57. PMID:27079987.
- 85) Tsan JY, Stock EM, Greenawalt DS, Zeber JE, Copeland LA. (2016). "Mental health treatment after major surgery among Vietnam Era Veterans with posttraumatic stress disorder". *Journal of Health Psychology*, 21(7):1249-60. PMID:25305191.
- 84) Blackburn D, Romers C, Copeland LA, Nguyen D, Lynch W, Zeber JE, Hoffman M. (2016). "Role of pre-surgical psychological assessments and effectiveness of spinal cord stimulation for chronic pain reduction". *Neuromodulation*, 19(6):422-28. PMID:27028312.
- 83) Cho J, Copeland LA, Zeber JE, Stock EM, Stevens AB, MacCarthy AA, Restrepo MI. (2016). "Health services utilizations among the oldest veterans". *Journal of the American Geriatrics Society*, 64(6):1250-7. PMID:27321603.
- 82) Villamaria FC, Berlanga G, Liao I, Ganachari-Mallappa N, Stock EM, Zeber JE, Jinadatha C. (2015). "Comparison of environmental MRSA levels on high touch surfaces in contact isolation and non-contact isolation patient rooms". *Infection Control and Hospital Epidemiology*, 36(12):1472-75. PMID:26311001.
- 81) Basu R, Zeber JE, Copeland LA, Stevens AB. (2015). "Role of co-existence of multiple chronic conditions on the longitudinal decline in cognitive performance among older adults in the US". *Journal of Gerontology & Geriatrics Research*, S4:004.
- 80) Evans LD, Stock EM, Zeber JE, Morissette SB, MacCarthy AA, Sako EY, Lappin J, Lawrence VA, MacCarthy DJ, Copeland LA. (2015). "Post-transplantation outcomes in veterans with serious mental illness". *Transplantation*, 99(8):e57-65. PMID:25706275.
- 79) Jinadatha C, Villamaria FC, Restrepo MI, Ganachari-Mallappa N, Liao I, Stock EM, Copeland LA, Zeber JE. (2015). "Is the pulsed xenon ultraviolet light no touch disinfection system effective on MRSA in the absence of manual cleaning?" *American Journal of Infection Control*, 43:878-81. PMID:26014583.
- 78) Hutchins D, Zeber JE, Roberts C, Williams AF, Manias EF, Peterson AM. (2015). "Initial medication adherence - review and recommendations for good practices for outcomes research: an ISPOR medication adherence and persistence special interest group report". *Value in Health*, 18(5):690-9. PMID:26297098.
- 77) Copeland LA, Zeber JE, Sako E, Mortensen EM, Pugh MJ, Wang CP, Restrepo MI, Flynn J, MacCarthy AM, Lawrence VA. (2015). "Serious mental illnesses associated with receipt of surgery in retrospective analysis of patients in the Veterans Health Administration". *BMC Surgery*, 15:74. PMID:26084521.
- 76) Phillips KL, Copeland LA, Zeber JE, EM Stock, Tsan JY, MacCarthy AA. (2015). "Racial/ethnic disparities in monitoring and treating metabolic parameters among schizophrenia patients receiving antipsychotic medications". *American Journal of Geriatric Psychiatry*, 23(6): 596-606. PMID:25154537.

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- 74) Stock EM, Kimbrel NA, Meyer EC, Copeland LA, Monte R, Zeber JE, Gulliver SB, Morissette SB (2014). "A bayesian model averaging approach to examining changes in quality of life during reintegration into civilian life among returning Iraq and Afghanistan veterans". *International Journal of Methods in Psychiatric Research*, 23(3):345-58. PMID:24942672.
- 73) Copeland LA, Sako EY, Zeber JE, Pugh MJ, Wang CP, MacCarthy AA, Restrepo MI, Mortensen EM, Flynn J, Lawrence VA. (2014). "Mortality after cardiac operations by pre-existing severe mental illness status". *General Hospital Psychiatry*, 36(5):502-8. PMID:24957928.
- 72) Copeland LA McIntyre R, Stock E, Zeber JE, MacCarthy DJ, Pugh MJ. (2014). "Prevalence of suicidality among hispanic and african-american patients following surgery". *American Journal of Public Health*, 104(S4):603-8. PMID:25100427.
- 71) Sun FF, Stock EM, Copeland LA, Zeber JE, Ahmedani BK, Morissette SB. (2014). "Comparison of antipsychotic polypharmacy trends among schizophrenia patients across multiple healthcare systems". *American Journal of Health System Pharmacy*, 71(9):728-38. PMID:24733136.
- 70) Jinadatha C, Quezada R, Huber TW, Williams JB, Zeber JE, Copeland LA. (2014). "Evaluation of a pulsed-xenon ultraviolet room disinfection device for impact on contamination levels of methicillin-resistant staphylococcus aureus". *BMC Infectious Diseases*, 14:187. PMID:24708734.
- 69) Noel PH, Parchman ML, Palmer RF, Romero R, Leykum LI, Lanham HJ, Zeber JE, Bowers KW. (2014). "Alignment of patient and primary care practice member perspectives of chronic illness care: a cross-sectional analysis". *BMC Family Practice*, 15:57. PMID:24678983.
- 68) Penfold RB, Stewart C, Hunkeler EM, Madden JM, Cummings JR, Owen-Smith AA, Rossom RC, Lu CY, Lynch FL, Waizfelder BE, Coleman KA, Ahmedani BK, Beck AL, Zeber JE, Simon GE. (2013). "Use of antipsychotic medications in pediatric populations: what do the data say?" *Current Psychiatry Reports*:15(12):426-35. PMID:24258527;
- 67) Greenawalt DS, Copeland LA, MacCarthy AM, Sun FF, Zeber JE, (2013). "Post-traumatic stress disorder, major depressive disorder and likelihood of invasive surgery: a retrospective longitudinal study among VA patients". *Journal of Psychosomatic Research*, 75(4):386-93. PMID:24119948.
- 66) Stock EM, Copeland LA, Bush R, Zeber JE. (2013). "Prevalence of QT prolongation among veterans with severe mental health disorders". *Psychiatric Services*, 64(10):942. PMID:24081399.
- 65) Copeland LA, Zeber JE. (2013). "Advancing research in the era of healthcare reform: 19th annual HMO research network conference". *Clinical Medicine & Research*, 11(3):120-22. PMID:24085855.
- 64) Pugh MJ, Marcum ZA, Copeland LA, Mortensen EM, Zeber JE, Noël PH, Berlowitz DR, Downs JR, Good CB, Alvarez C, Amuan ME, Hanlon JT. (2013). "HEDIS quality measures for medication management in the elderly: outcomes associated with new exposure". *Drugs and Aging*, 30(8):645-54. PMID:23645530.
- 63) Zeber JE, Manias EF, Williams AF, Hutchins D, Udezi WA, Roberts CS, Peterson AM. (2013). "A systematic literature review of psychosocial and behavioral factors associated with initial medication adherence: a report

- of the ISPOR medication adherence & persistence special interest group". *Value in Health*, 16(5):891-900. PMID:23947984.
- 62) Culler SD, Parchman ML, Romero-Lozano R, Noel PH, Lanham HJ, Leykum LK, Zeber JE. (2013). "Cost estimates for operating a primary care facilitation program". *Annals of Family Medicine*, 11(3):207-11. PMID:23690319.
 - 61) Blackburn DR, Monte RC, Zeber JE, McIntyre R. (2013). "Assessment of psychological screeners for spinal cord stimulation success". *Practical Pain Management*, 3:35-9.
 - 60) Tsan JY, Zeber JE, Stock EM, Copeland LA. (2012). "Primary care mental health integration and persistence in care among Iraq and Afghanistan war veterans". *Psychological Services*, 9(4):336-48. PMID:22545824.
 - 59) Tsan JY, Stock EM, Gonzalez JM, Greenawalt DS, Zeber JE, Rouf E, Copeland LA. (2012). "Mortality and guideline-concordant care for older patients with schizophrenia: a retrospective longitudinal study". *BMC Medicine*, 10:147. PMID:23181341.
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Book Chapters:

Epidemiology of co-occurring TBI and PTSD [in *The Neuropsychology of Mild Traumatic Brain Injury and Posttraumatic Stress Disorder*, Oxford Press, 2014 – with Copeland LA, Pugh MJ, Finley EP].

Risk Bearing and Capital Financing Arrangements in Integrated Health Systems: Concepts and Cases. With Douglas Conrad, Ph.D, University of Washington. Responsible for 3 chapters in the case study textbook. [2002, Health Administration Press.]

Grants

FUNDED: Primary Investigator or Site PI

Post-Marketing Observational Cardiovascular Safety Study in Patients taking Naloxegol [AstraZeneca / FDA, approved and funded for 2015 – 2022] – Principle Investigator on this national study (\$2.3 million)

Intervention Mapping to Develop Multi-level Implementation Strategies in Partnership with Stakeholders: Firearms Means Restriction for Suicide Prevention in Pediatric Primary Care (ASPIRE) [NIMH R21 - #1R21MH109878-01, approved and funded for 2016-2017] – Rinad Beidas, PI (5% effort as Site PI).

Trans-America Consortium of the HCSRN for the PMI® Cohort Program [NIH Precision Medicine Initiative #OT2OD024610, approved and funded for 2016 – 2019] – Brian Ahmedani, PI (\$4.1 million, 20% effort as Site PI).

Evaluation of the Veterans Choice Act for Women Veterans [Veterans Affairs QUERI Partnered Evaluation grant, approved and funded for 2015-2016] – Kristin Mattocks, PI (\$755,000 total, 5% effort as Site PI).

Patterns and Experiences of VA Maternity Care Coordination for Women Veterans [Veterans Affairs HSR&D merit grant IIR-14-27, approved and funded for 2015 - 2017] – Kristin Mattocks, PI (\$878,000 total, 5% effort as Site PI).

Pulsed Xenon Technology Targeting Hospital Acquired Infections: Costs and Outcomes. [Veterans Affairs HSR&D R01 merit grant IIR-12-347-1] – approved and funded for 2013-2016, \$781,000 (35% effort as Principle Investigator). Multisite study to determine the clinical and economic benefits of a new ultraviolet ray device to efficiently disinfect rooms and destroy harmful microbes.

Scott & White Minority Pre-doctoral Fellowship [internal Scott & White and Texas A&M funding] – approved and funded for 2011-2012, \$78,00; Principle Investigator). Proposed and created this new mentored research fellowship, with plans to further expand program throughout the institution with emphasis of ethnic disparities.

Evaluating the Feasibility to Measure the Extent to Which Asthma Mortality Risk is Increased in ADVAIR Users [GlaxoSmithKline] – Christine Joseph, PI (approved and funded for 2011-2013, 10% effort at Site PI).

Post-Deployment Health and Transition into VA Care [VA Locally Initiated Project #66-014] – approved and funded for 2009, \$50,000; Principle Investigator. Interview returning OEF military personnel and community providers regarding treatment needs, access issues, comfort providing care, and possible transition into VA system.

Effect of Copayments among Veterans with Bipolar Disorder [Lilly] – approved and funded for 2010, \$56,556, Principle Investigator. Examine the effect of higher VA medication copayments on prescriptions for mood stabilizers and atypical antipsychotics, along with health services utilization and costs (ER, hospital).

Post-Operative Outcomes and Safety in Schizophrenic Elders [Veterans Affairs VISN 17 grant XVA-66-016] – approved and funded for 2008-2009 (\$100,000, Principle Investigator). Secondary database analysis collecting pilot data on potential differences in surgery rates and outcomes between patients with serious mental illness (schizophrenia, bipolar, PTSD) and veterans without psychiatric conditions. Study will explore issues of competing demands and treatment delays leading to greater surgical needs and clinical ramifications (e.g., relapse rates, mortality).

Medication Adherence, Outcomes and Quality of Life Perceptions [PhRMA Foundation young investigator research starter grant, Principle Investigator] – approved and funded for 2007-2008 (\$60,000). Explore multidimensional aspects of medication adherence in patients with schizophrenia, plus quality of life and health status outcomes. In a national cohort study of schizophrenia patients receiving care between 1999-2005 (N=90,000): 1) statistically identify clinically-relevant adherence sub-groups; 2) compare groups across multiple administrative and SF-36 variables; 3) assess quality of life by mapping SF-36 values to utilities. Other outcomes include associating adherence / preferences to utilization and pharmacy costs.

Multi-disciplinary Clinical Training Program awardee [University of Texas Health Science Center at San Antonio] – approved and funded for 2006-2008 (50% effort, Principle Investigator / Career Development Award). Application to a new young investigator training (K12) program ranked #3 of 19 submissions for a program

designed to encourage collaboration between multiple VA and university departments, gain clinical mentoring outside one's primary field, and provide overall career development guidance as an independent researcher.

Aging and Serious Mental Illness among Veterans. Veteran Affairs Locally Initiating Project (LIP - #41-095). Small grant program for young investigators – approved and funded in August 2002, \$10,000. Principle Investigator. Local funding for independent project examining the association between age, psychiatric diagnosis, and utilization.

FUNDED: Co-Investigator / Consultant / other

Burdens of Multimorbidity on Hospitalization and Mortality in Nursing Home Residents with Obesity [NIA R03, approved and funded 2020-2023] – Ning Zhang, PI (10% effort as co-I).

Trial to Explore the Benefits of Antimicrobial Self-Sanitizing Surfaces on Bio-burden levels and Healthcare-Acquired Infections [AHRQ R01 #1R01HS025598-01A1, approved and funded 2019 - 2024] – Chetan Jinadatha, PI (10% effort as Co-Investigator).

Evidence Based Practices for Ultraviolet Disinfection in the Clinical Environment [Department of Defense TriService Nursing Research Program HU00011920062 (N19-A05), approved and funded 2019-2020] – Gordon West, PI (consultant).

Healthcare Surfaces Disinfection: Investigation into the Antibacterial Effect of Copper-Infused Surfaces for Patient Rooms [Central Texas VA internal award, approved and funded for 2016-2018] – Chetan Jinadatha, PI (15% effort as Co-Investigator).

Addiction Research Network [NIDA, approved and funded for 2015-2020] – Connie Weisner, PI (5% contributed effort as Co-Investigator).

Diabetes, Dementia, and Multiple Chronic Conditions in Patients with Hip Fracture Repair [HMORN-OAIC AGING Initiative Pilot Project Grant, sub-award of National Institute on Aging Grant 1R24AG045050-01A1, approved and funded for 2015-2016] – Laurel Copeland, PI (5% effort as Co-Investigator).

Identifying Specific Non-VHA Healthcare with the Mental Health Research Network [Veterans Affairs QUERI proposal, approved and funded for 2015 - 2017] – Laurel Copeland, PI (15% effort as Co-Investigator).

Mental Health Research Network-II [NIMH center grant U19MH092201, approved and funded for 2014-2019] – Greg Simon, overall PI: 1) general infrastructure funding (10% effort as site PI / co-I); 2) Automated Virtual Follow-up to Reduce Premature Treatment Discontinuation - Robert Penfold, pilot study PI (5% effort as Co-Investigator)

Examining the Interaction of Ethnicity, Pain, and Mortality among Veterans Undergoing Surgery [VA Locally Initiated Project, extension of STOPP grant] – approved and funded for 2011, \$15,000, 5% as Co-Investigator. Extension of LA Copeland study, focusing of linking administrative data to pain scores.

Evaluation of an Ideal Cleaning Protocol in Acute Care and OR's, and Evaluating Concept of Possible UV Resistance of Continuous Disinfection using Surface Coating Technology. [Xenex, Chetan Jinadatha, PI] – approved and funded for 2013-2014, \$115,000 (5% effort as Co-Investigator). Center funds and several sub-contracts to conduct health services and laboratory data on HAI, to develop potential interventions and subsequent grants.

Surgical Treatment of Women Veterans: Survey of VA and Non-VA Veterans: supplement to Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP) [Veterans Affairs HSR&D IIR-09-335], Laurel Copeland, PI; 20% effort as Co-Investigator.

Longitudinal Transitions in Cognitive Decline among Older Adults. [Scott & White Research Grants Program] – Rashmita Basu, PI (5% effort as Co-Investigator), approved and funded for 2012-2013, \$50,000. Statistical analysis of administrative data to examine factors associated with different trajectories of cognitive decline.

Hybrid Strategies to Improve Health Care's Triple Aims: Lessons Learned From the Transformations of Two Health Systems [Commonwealth Fund] – Robert Reid, PI (5% effort as Co-Investigator), approved and funded for FY12-13. Examine patient and provider perceptions of how fee for service structure affects quality of care and satisfaction in two different large health plans.

Health Literacy and Improving Hospital Discharge Transitions in a Low-Income Patient Population. [Scott & White internal Research Grant Program] – Angie Hochalter, PI (5% effort as Co-Investigator). approved and funded for FY12, \$50,000. Intervention to improve discharge coordination and outcomes in Medicaid cohort.

Evaluation of a Pulsed-Xenon Ultraviolet Room Disinfection Device for Impact on contamination levels of C.diff and MRSA [Xenex] – Chetan Jinadatha, PI. (5% effort as Co-Investigator); approved and funded for FY11, \$125,000. Examine clinical and cost-effectiveness of an automated disinfection device.

Advanced Center for Interventions and Service Research (ACISR) for Optimizing Long Term Outcomes in Bipolar Illness Interventions in Hispanic Communities (NIH proposal - UTHSCSA Department of Psychiatry P30 – Charles Bowden, PI. (5% overall effort as Co-Investigator); approved and funded for 2008 - 2013, \$1.4 million.
– 1) Cultural competency and reduced ethnic disparity in psychiatric diagnosis for a predominantly Hispanic region (John Zeber, PI – 10% effort); 2) Personalized Interventions to Improve Treatment Engagement (Adherence) in Bipolar Disorder: Academic and Community Sites (Jodi Gonzalez, PI – 7% effort as co-I.). The ACISR is designed to strengthen interdisciplinary interventions research in bipolar disorders with a focus on the needs of the Hispanic American community. Working with the South Texas community of patient groups, advocates, and mental health providers and with Case Western Reserve University collaborators, the ACISR will advance treatment and research methods in effective treatment strategies focused on sustained benefit and healthy function. The ACISR will work to improve patients' management of their bipolar illness, and to expand the career opportunities of young investigators, particularly for underrepresented racial and ethnic groups. These efforts will equip us to serve as a national resource to advance the NIMH mission of reducing the burden of bipolar illness and improve outcomes through the efforts of translational research and broad dissemination for the purposes of better clinical care, public education and public health planning.

Surgical Treatment Outcomes for Patients with Psychiatric Disorders (STOPP) [Veterans Affairs HSR&D IIR-09-335, Laurel Copeland, PI; 25% effort as Co-Investigator. – approved and funded for FY09-FY10, \$381,000. Nothing is known regarding perioperative risk management and outcomes for veterans with severe mental illness, and by design, the NSQIP is powerless to address this lack. This retrospective cohort study uses VA administrative data from FY05 to FY09 to compare surgery rates and postoperative outcomes (30-day mortality, myocardial infarction and acute coronary syndrome, deep venous thrombosis or pulmonary embolism, ICU admission, pneumonia, respiratory failure, sepsis, wound infection, readmission) by pre-existing SMI status, adjusting for comorbidity and demographic variables.

Retrospective Database Examination of Longitudinal Outcomes in Burned OEF/OIF Veterans [Veterans Affairs HSR&D merit supplement] – Val Lawrence, PI. (10% effort as Co-Investigator). Additional aim to examine differential mortality rates across diagnostic groups with death index data.

Role of Clinical Team Functioning and Medication Adherence in Diabetes [Veterans Affairs HSR&D merit supplement IIR-06-063, Mike Parchman, PI] – approved and funded for FY09-FY10, \$141,000 for supplement only (15% as Co-Investigator). Additional aim to examine clinical microsystem learning and medication adherence.

Mortality Risk in Veterans with Schizophrenia and Comorbid Diabetes [Veterans Affairs HSR&D merit supplement, Laurel Copeland, PI] – approved and funded for FY09-FY10, \$50,290 (10% as Co-Investigator). Additional aim to examine differential mortality rates across diagnostic groups with death index data.

Feasibility of Tracking OEF/IEF Transition into VA Care [Veterans Affairs HSR&D special short-term rapid response proposal, Laurel Copeland, PI] – approved and funded for 2008, \$35,600 (10% effort as Co-Investigator). Using VA administrative data, track transition rates of soldiers leaving DoD and entering the VA healthcare system.

Incorporating Medicare Pharmacy Data into an Analysis of Potentially Inappropriate Prescribing in Elderly Veterans [Veterans Affairs HSR&D merit supplement IIR 06-062, Mary Jo Pugh, PI] – approved and funded for FY09-FY11, \$223,600 (10% as Co-Investigator). Incorporate Medicare pharmacy data into the analysis to better account for aging veteran population with dual system use.

Potentially Inappropriate Prescribing in Elderly Veterans [Veterans Affairs IIR-06-062, Mary Jo Pugh, PI] – approved and funded for FY06-FY11, \$825,500 (10% as Co-Investigator). Examine prevalence of inappropriate medication prescriptions, potential drug-drug interactions, and clinical outcomes in older veterans.

Systematic Review and Tracking Database for CPG Implementation Research [Veteran Affairs II-R, Valerie Lawrence, PI] – approved and funded for 2003-2008, \$735,400 (5% effort as Co-Investigator). Systematically review the literature on organizational strategies of implementing evidence-based medicine into clinical practice; designed to improve the quality of care provided to veterans with QUERI diseases – high prevalence, chronic conditions (e.g., diabetes, CHF, colon cancer, schizophrenia, depression, etc.)

Patterns of Late-life Healthcare among VA patients with Schizophrenia [Veteran Affairs IIR-05-326, Laurel Copeland, PI] – approved and funded for 2006-2008, \$273,200 (20% effort as Co-Investigator). Describe and analyze current patterns of inpatient and outpatient medical, psychiatric, and other care for veterans age 50+ with schizophrenia with or without diabetes; determine correlates of care and relationship of patterns to mortality.

Improving substance abuse treatment in the borderland: early intervention and follow-up in remote primary care clinics [Veteran Affairs special funding RFP; Steve Holliday, PI] – approved and funded for 2005-2007, (\$736,990; 5% effort as Co-Investigator). Provide substance abuse interventions in a stepped care program for veterans in remote clinics near the Mexico-Texas border. This demonstration project will seek out at-risk veterans to engage them in treatment for substance abuse (alcohol, tobacco, other drugs). The 3-year evaluated implementation project will augment and integrate with clinical care currently being offered in three satellite clinics in an impoverished, largely Hispanic population.

Implementing integrated behavioral health care for predominantly Hispanic OEF/OIF veterans [Veteran Affairs special funding RFP; Steve Holliday, PI] – approved and funded for 2005-2007, (\$586,442; 5% effort as Co-

Investigator). Provide comprehensive, integrated care for returning OEF/OIF veterans, including screening and treatment for substance abuse (alcohol, tobacco, other drugs), depression, PTSD, and medical care as well as job services. The target population lives in an underserved region of South Texas near the Texas-Mexico border. Outreach efforts and sensitivity to cultural issues will characterize the 3-year evaluated implementation project.

Improving Medication Adherence among Veterans with Schizophrenia. [Veterans Affairs grant #IIR01-074-1; Marcia Valenstein, PI] – approved and funded for 2001-2005, 30% effort as research associate. Multi-site (4 VA) 18-month intervention study designed to improve medication adherence among veterans with serious mental illness; primary component was a simple blister-pack, with some pharmacy education and provider notification of missed refills.

Adopting Best-practices in Community Settings: The ABCs of Treatment for Schizophrenia. [funding from Texas Department of Mental Health and Mental Retardation (TDMHMR) and AstraZeneca; Alexander Miller, PI. Invited to serve as consultant on funded project examining an intervention (cognitive adaptation training) designed to improve functioning and treatment adherence, reduce inpatient utilization, and minimize jail experiences in low-income patients with schizophrenia. One significant analysis will focus on the cost-effectiveness of this intervention (consultant).

PROPOSALS UNDER REVIEW:

Long Term Effects of COVID-19 on Mental Health Decline Among Older Adults with Alzheimer's Diseases or Related Dementia [R01 submitted February 2021] – Ning Zhang, PI (10% effort as co-I)

Evaluation of Novel Self-sanitizing Copper Surfaces in Prevention of SARS-CoV-2 Spread in Healthcare Setting [AHRQ supplemental proposal, submitted and scored, October 2020] – Chetan Jinadatha, PI (5% effort as co-I)

Understanding Potential Barriers to Implementing Proven Infection Control Strategies [VA Nursing Research Services, submitted and scored October 2020] – Principle Investigator.

Guideline-Concordant Care for Individuals with Serious Mental Illness: Insurance, Provider, & Organizational Factors [NIMH R34, scored October 2020, to be resubmitted February 2021] – Kimberley Geissler, PI (10% effort as co-I).

Mental Health Treatment: Provider Specialization and Treatment Outcomes [NIMH R34, to be submitted June 2021] – Kimberley Geissler, PI (10% effort as co-I).

Interviews / Press Articles / Newsletters / Briefs:

Efforts to Reduce Potential Ethnic or Gender Disparities in Mental Health Diagnosis and Treatment [Washington Post interview, May 2019]

Researchers: Adding Gun Safety to Health Care 'Essential' to Reducing Teen Suicide [PBS Springfield, MA "In Connections" live segment and Inside UMass Amherst Weekly, January / February 2019 – interviews on firearms safety study and JAMA Open article]

Why Integrated Delivery Systems are Evolving in the Era of Accountable Care: The Case Studies of Group Health and Scott & White [Commonwealth Fund Issue Brief, 2016]

Value in Health press release, July 2013: Systematic Review of Initial Medication Adherence

SCOPE: Newsletter of the Central Texas Veterans Research Foundation (Volume 5, Fall 2012). Profile of CAHR, its co-directors and projects.

Prescriptions for Progress, September 2007 (vol.2, no.1) and December 2007 issues (vol.2, no.2): Two policy newsletters presenting my work on copayments, ethnicity, and clinical impact.

CNS Senior Care, June 2006 issue: brief telephone interview and article on issues pertaining to ethnicity, cultural competency, potential diagnostic or treatment disparities, and policy issues among the elderly with mental health disorders (e.g., medication copayments).

Washington Post, June 2005: "Racial Disparities Found in Pinpointing Mental Illness" (6/28/05); includes interview with JE Zeber, based upon 2 published studies pertaining to ethnic differences in diagnosis and treatment – part for a series on the subject of mental illness and cultural factors.

Medical Post, June 2004: "Atypicals may aid compliance in schizophrenics". Vol 40, Issue 22 (<http://www.medicalpost.com>).

Reports / White papers:

- Reports to Commonwealth fund from "hybrid systems" study: 1) *Why Integrated Delivery Systems are Evolving in the Era of Accountable Care: The Case Studies of Group Health and Scott & White*. Issue Brief prepared for the Commonwealth Fund, September 3, 2013; 2) *The Evolution of Integrated Delivery Systems in the Era of Accountable Care: The Case Studies of Group Health and Scott & White*. Issue Brief prepared for the Commonwealth Fund, March 14, 2014; 3) *Targeting the Triple Aim in the Era of Accountable Care: Early Experiences of Integrated Delivery Systems Group Health and Scott & White*. Issue Brief prepared for the Commonwealth Fund, July 15, 2014; 4) *The Spread of High-Performance Integrated Care Delivery Systems: Assessing Two Hybrid Approaches*. Report to the Commonwealth Fund, January 16, 2016. [all by author team - Penfold RB, Fishman PA, Hsu C, Johnson EA, Ross TR, Copeland LA, Basu R, Hertel E, Zeber JE, Gundersen G, Reid RJ]
- Blow FC, McCarthy JF, Valenstein M, Zeber JE, Gillon L. "*Care for VA Patients with Psychoses, 1999-2003*" – Part of team that developed the database and co-author on detailed annual report (5 editions) of all VA patients with serious mental illness (N=191,000): demographics, psychiatric and medical comorbidities, cost, utilization, mortality, functional status, access, and pharmacy fills.

TEACHING, MENTORING, CONSULTING, AND ACADEMIC ADVISOR ROLES:

UMass Amherst (current position)

Courses Developed and/or Taught:

1. HPP622: Program Evaluation – HPM core class, 3 times: Spring 2019 (18 students), Spring 2020 (8 students); Spring 2021 (10 students)
2. PH397v: Veterans Health & the VHA – 2 times, undergraduate elective: Fall 2019 (5 students), Fall 2020 (21 students)
3. PH 129: Health Care for All – 1 time, Spring 2021 (65 students)
4. HPP 896: Independent Study, doctoral course with Gene Garland (Fall 2020)
5. *Graduate Elective TBD* – in development for possibly Fall 2021 or Spring 2022

Invited / Guest Lectures:

- Fall 2019: Mental health program evaluation (for Umass Worcester Ulrich doctoral psychology)
- Spring 2019: Firearms means restriction (for Whitehill 390D)
- Fall 2019, Spring 2020, Fall 2021: lectures on US Health System (for DiFluvio PH200)
- Fall 2020: PhD seminar on professional development (for Zhang/Salerno-Valdez HPP898)
- Fall 2020: 2 lectures VHA system and mental health issues (for Chin HPP620)
- Spring 2021: lecture on disparities in psychiatric diagnosis (for Goldstien 590A)

Student Advising / Thesis Committees:

- MPH advisor (4 students through Fall 2020)
- Honors College thesis committees: 1) Yazhini Ramesh, chair (Fall 2019/Spring 2020); 2) Alexandra McQuire, secondary (Fall 2019/Spring 2020)
- MPH project advisor: 1) Jacob Lewi (Spring 2020 - secondary); Erica Ferrera (Spring 2020 – secondary); Ali Ali (Spring 2021 – primary)
- PhD thesis member: 1) Eugene Garland (2020-2021 – secondary);

Faculty Roles & Committees, Other Service:

- 1) HPM program head (2018 – 2022); 2) Departmental Personnel Committee (member, 2019 – present); 3) PhD admission committee (co-chair, 2018 – present); 4) MPH admissions committee (chair, 2019 – 2021); 5) online MHA program steering committee (member, 2018 – present); 6) CEPH accreditation committee (member, 2018 – present)
- reviewer, Public Service Endowment Grants (Spring 2020);

Miscellaneous Other Teaching Efforts:

- In addition to further developing a personal research portfolio, one of the primary missions of the Center for Applied Health Research (CAHR) since its 2010 inception was to support clinical or health services investigators with their own projects, while mentoring a range of promising researchers. As such, we frequently provide consulting to numerous people across departments at Baylor Scott & White, the Central Texas VA, Texas A&M academic affiliates, and other institutions. This includes assessing their project proposal, data analytical needs, methodological options,

submitting IRB protocols, grant writing, and publishing or other dissemination efforts. In total, we provided nearly 150 such consultations here, varying for one-time meetings to long-term collaborations, resulting in over 30 known publications (others in progress), several grants, numerous QI, projects, and substantial overall system impact with tremendous support from senior leadership.

- Created and obtained funding for a new Scott & White minority pre-doctoral fellowship (2011-2012): interviewed candidates, developed structured program of mentoring, coursework, meetings with senior VA, hospital, and academic leaders.
- Volunteered to mentor summer high school research interns 2011 – 2018, part of a STEM funded project (NSF) for an advanced junior college training program, leading to their own poster presentation.
- Doctoral thesis / capstone project committee member: Gordon Black, Frontier School of Nursing (Using the Health Promotion Model to Reduce Appointment No-Shows in Rural Underserved Community Clinics) - 2011.
- Teaching assistant at the University of Washington during graduate school there: 3 semesters, multiple courses in basic statistics and quantitative methods (masters and executive clinical students).

OTHER INSTITUTIONAL, PROFESSIONAL CONTRIBUTIONS & SERVICE / TEACHING EFFORTS

Invited Presentations / Expert Panels:

Baystate Medical Research Forum – invited to give presentation on UMass department, personal research interests, and to develop potential collaborations. (November 2018)

VA HSR&D, cyberseminar – invited to give national presentation on Population Health Research Collaborations between Federal and Private Health Care Systems: VA and HMORN. (June 2015)

Baylor Scott & White, grand rounds for Departments of Medicine and Psychiatry (approximately every 2 years for each department between 2011 – 2018) – Introducing faculty to our research center, scope of health services projects, offer consulting or analytical guidance, discuss the two national research networks and our roles, updates of current study progress.

Academy Health annual research conference, Behavioral Health Special Interest Group Meeting (June 2013, Baltimore) – chaired mental health group meeting and abstract selection committee, then served as invited moderator for a panel discussion

International Society for Pharmacoeconomics and Outcomes Research annual meeting (May 2013, New Orleans) – invited to update the board of directors on international working group projects targeting medication adherence

Enhancing Research Through Collaboration Retreat (Baylor University March 2013) – oral presentation as part of a health services session to increase research collaboration among several Central Texas institutions.

Texas A&M Rural School of Public Health Graduate Student Practicum (February 2013) – introduce CAHR to master students and interview them for summer research placement.

VA Health Economics Research Center, cyberseminar – invited to give national presentation on several projects related to copayments, Veterans with chronic conditions, medication adherence, and patient-centered care. (February 2012)

Texas A&M Department of Psychology, College Station – invited to give course lecture to Clinical Psychology program on medication adherence, cost, and other barriers (February 2012)

Waco Veterans Affairs PTSD Center of Excellence – invited to give several presentations on projects related to chronic care delivery, patient-centered care, and medication adherence (2012 - 2016).

Texas A&M School of Rural Public Health, College Station – invited to give course lecture to faculty and graduate students in Behavioral Health program on several projects related to mental health and surgery rates, chronic care delivery, patient-centered care, and medication adherence (October 2011)

Veterans Affairs HSR&D Center of Excellence, Houston – invited to present current research findings at monthly seminar (June 2011)

UTHSCSA Department of Psychiatry Grand Rounds (December 2010) – Discussion of current findings influencing poor medication adherence in patients with serious mental illness, including use of administrative versus primary data collection, along with the clinical implications of targeting certain risk factors. (invited speaker).

Lead Guest Editor

Depression Treatment and Research (special journal issue on Ethnicity and Cultural Competency – published, with editorial, in Fall 2011).

Family Practice (special journal issue on COVID-19 Implications for Primary Care Providers and Patients – planned, with editorial, for publication in Fall 2021).

South Texas Practice Based Research Network (PBRN) Annual Convocation (October 2009) – Shared preliminary findings of a local research project as invited speaker, surveys from patients and clinicians at 6 clinics regarding post-deployment health issues.

South Texas Veterans Health Care System - Psychiatry Grand Rounds (April 2009) – Multiple risk factors for poor medication adherence in veterans with schizophrenia and bipolar disorder, including demographic, financial, and psychosocial issues; based upon the literature and our own work with VA administrative and survey data.

Medication Adherence Expert Consensus Guideline Panel (Fall 2008) – Invited guest expert contributing to national working group project to identify risk factors for medication adherence in patients with serious mental illness, and strategies to address the persistent problem. Findings published in special supplement of *Journal of Clinical Psychiatry* (v70, suppl 4, 2009).

Congressional Black Caucus / Center for Minority Veterans: annual legislative meeting (September 2005) – Invited panelist for forum discussing the implications of ethnic disparities in mental health diagnosis and treatment, designed to foster research collaboration between VA, academic and other organizations.

Other Professional Activities / Leadership Roles / Contributed Effort:

Infectious Disease Special Interest Group – created and led new working group within the Health Care System Research Network, to design clinically relevant projects and discussions within network sites (June 2017).

State of Health Care Reform in Texas – served as advisory panel member for this legislative and health policy conference in February 2017, part of national agenda to discuss health reform issues

VA Health Services Research & Development, merit grant review panel – invited to serve as grant reviewer for mental health proposals (March 2015 and September 2016)

Interventions to Improve Pharmacological Adherence among Patients with Psychotic-Spectrum Disorders, Bipolar Disorder, and Posttraumatic Stress Disorder, invited member (2015 – 2016): VA expert task force to evaluate state of current clinical evidence to treat bipolar disorder and other serious mental health conditions.

Women Veterans' Perceptions of the Affordable Care Act and Medicaid Expansion Restrictions – site PI, Operations project from VA Office of Women's Health (2014)

Evaluation of a Short Pharmacy Assessment for Adherence to Post-Discharge High-Risk Medications – PI, unfunded Scott & White study (2012-2013).

Chair - IRB committee, Central Texas Veterans Health Care System (2012 – 2017)

Research Grant Program (RGP) review committee, Scott & White Healthcare, member (2011 – 2018)

Coordinator, VERDICT Research Forum (2007 – 2010): organized and led a weekly research seminar of internal investigators and invited guest speakers.

Consultant, health services research design and methods (2007 – 2010), several Practice Based Research Networks: StarNet (primary care clinics), South Texas Psychiatry (community psychiatrists), Veterans Affairs mental health (VA providers), VA Women's Research Network.

Conference presentations (as lead author / presenter only):

October 2019: VA National Health Services Research & Development Conference (Washington DC) – *Addition of UV-C to commonly used hospital disinfectants: is there a difference in residual bio-burden?* (oral presentation)

April 2018: Health Care System Research Network annual meeting (Minneapolis) – *Factors Affecting Time between Symptom Onset and Emergency Department Arrival in Stroke Patients* (poster)

October 2017: ID Week (San Diego) – 1) *Lack of Association Between Surface and Fluorescent Marker Score* (poster); 2) *Does Pulsed Xenon Disinfection Add Additional Value to Manual Cleaning?* (poster)

July 2017: VA National Health Services Research & Development Conference (Washington DC) – *A Multisite Implementation Trial of Portable Pulsed Xenon Ultraviolet Ray Technology to Reduce Hospital Associated Infections* (oral presentation)

August 2016: Mental Health Services Research (NIMH) annual meeting (Bethesda, MD) – 1) *Differences in Depression Treatment for Diverse Patient Populations within the Mental Health Research Network* (workshop); 2) *Partnering with the Mental Health Research Network* (symposium)

May 2016: International Society for Pharmacoeconomics and Outcomes Research annual meeting (Washington DC) – *A Framework for Measuring Multiple Medication Adherence* (workshop and forum)

April 2016: Health Care System Research Network annual meeting (Atlanta) – 1) *A Depression Care Management Project to Improve Treatment Coordination and Outcomes in Patients with Comorbid Conditions* (poster); 2) *Multiple Chronic Conditions Associated with Hip Fracture Outcomes among Males* (oral presentation)

July 2015: VA National Health Services Research & Development Conference (Philadelphia) – 1) *Psychotropic Pharmacotherapy associated with QT Prolongation among Veterans with Posttraumatic Stress Disorder* (poster); 2) *Using an Innovative Pulsed Xenon Ultraviolet Ray Technology and Other Interventions to Reduce Hospital Associated Infections* (poster)

March 2015: Health Maintenance Organization Research Network annual meeting (Long Beach) – 1) *Interventions to Reduce Hospital Associated Infections: Comparative Efforts at One HMORN Site and a Local Veterans Affairs Facility* (oral presentation); 2) *A Pharmacy Counseling and Post-Discharge Intervention to Improve Initial Adherence for High-Risk Medications* (poster)

May 2014: International Society for Pharmacoeconomics and Outcomes Research annual meeting (Montreal) – *A Framework for Conducting Initial Medication Adherence Research* (workshop and forum)

April 2014: Health Maintenance Organization Research Network annual meeting (Phoenix) – *Comparison of Antipsychotic Polypharmacy Trends Among Schizophrenia Patients Across Multiple Healthcare Systems* (poster – award finalist)

May 2013: International Society for Pharmacoeconomics and Outcomes Research annual meeting (New Orleans) – *Frequency and effect sizes of risk factors associated with initial adherence* (poster); also, presentation to ISPOR Board of Directors concerning ongoing working group projects.

April 2013: Health Maintenance Organization Research Network annual meeting (San Francisco) – *Ethnicity and Factors Associated with Medication Adherence in a Post-Discharge Medical Aid Program* (poster)

July 2012: VA National Health Services Research & Development Conference (National Harbor) – *Longitudinal Medication Adherence Instability and the Risk of Psychiatric Admission in Veterans with Schizophrenia* (poster)

April 2012: 3rd Biennial Schizophrenia International Research Society Conference (Florence, Italy) – 1) *Validating a New Measure of Longitudinal Medication Adherence Instability and the Risk of Psychiatric Admission in Patients with Schizophrenia* (poster); 2) *The Impact of Cultural Competency on Reducing Ethnic Disparities in Psychiatric Diagnosis: A Regional Variation Analysis* (poster)

May 2011: International Society for Pharmacoeconomics and Outcomes Research (Baltimore) – *A Systematic Literature Review of Behavioral Risk Factors Associated with Initial Medication Adherence* (poster)

April 2011: International Conference of Schizophrenia Research (Colorado Springs) – *Surgical Needs and Rates of Common Procedures in Patients with Serious Mental Illness* (oral presentation)

March 2011: HMO Research Network annual meeting (Boston) – *Outcomes of Cardiovascular Events in Two Systems of Care* (poster)

March 2011: International Workshop on Costs and Assessment in Psychiatry, Mental Health Policy and Economics (Venice, Italy) – 1) *Cost-Benefit Effects of Pharmacy Benefit Policies in Patients with Schizophrenia* (oral presentation); 2) moderated panel on costs of chronic medical comorbidities

February 2011: VA National Health Services Research & Development Conference (Baltimore) – *Medication Adherence as a Measure of Comparative Effectiveness in Older Patients with New-Onset Epilepsy* (poster)

June 2010: Academy Health Annual Research Meeting (Boston, MA) – 1) *Cost-Related Medication Adherence and Patients' Experience with the Chronic Care Model* (oral presentation - Best Abstract, Quality & Efficiency theme); 2) *OEF-OIF Post-Deployment Health Care Needs in Community-based Primary Care Clinics* (poster).

April 2010: VA National Health Services Research & Development Mental Health Conference (Little Rock) – *Surgical Rates of Common Procedures in Veterans with Serious Mental Illness* (poster)

November 2009: National Association of Primary Care Research Group Annual Meeting (Montreal, CAN) – *Cost-related Medication Adherence and Patients Experience with the Chronic Care Model: Preliminary ABC Intervention Study Results* (poster)

June 2009: Academy Health Annual Research Meeting (Chicago, IL) – *A Cost-Benefit Analysis of Higher Medication Copayments in Veterans with Schizophrenia* (poster)

June 2009: Critical Research Issues in Latino Mental Health Conference (New Brunswick, NJ) – *Ethnicity and Multiple Self-Reported Barriers to Medication Adherence: Identifying Clinical Leverage Points* (oral presentation)

March 2009: International Conference of Schizophrenia Research (San Diego, CA) – *A Cost-Benefit Analysis of Higher Medication Copayments in Veterans with Schizophrenia* (oral presentation)

February 2009: VA National Health Services Research & Development Conference (Baltimore) – 1) *A Cost-Benefit Analysis of Higher Medication Copayments in Veterans with Schizophrenia* (oral presentation, plenary session); 2) *Diabetes and Medication Adherence: Understanding the Association between Perceived Drug Costs and Dimensions of the Therapeutic Alliance* (oral presentation); 3) *Veterans with Serious Mental Illness Undergoing Surgical Procedures: Prevalence Rates of Preoperative Medical Comorbidities* (poster).

October 2008: American Psychiatric Association 60th Institute on Psychiatric Services (Chicago) – *Addressing Barriers to Effective Drug Treatment in Public Mental Health* (symposium).

May 2008: International Society for Pharmacoeconomics and Outcomes Research (Toronto) – 1) *Medication Adherence, Ethnicity, and the Influence of Multiple Psychosocial and Financial Barriers* (poster); 2) *Ethnicity and the Impact of Higher Medication Copayments among Veterans with Schizophrenia* (poster – received Best New Investigator top award); 3) *The Cost-Offset Effect of a Copayment Increase among Veterans with Schizophrenia* (poster).

March 2008: Critical Research Issues in Latino Mental Health Conference (Santa Fe, NM) – *Ethnicity and the Impact of Higher Medication Copayments among Patients with Schizophrenia* (poster)

February 2008: VA National Health Services Research & Development Conference (Baltimore) – 1) *Medication Adherence, Ethnicity, and the Influence of Multiple Psychosocial and Financial Barriers in Veterans with Bipolar Disorder* (oral presentation); 2) *Cardiovascular Disease in Type-2 Diabetes: Using the UKPDS Methodology to Determine Attributable Risk Variance Across 20 Community Clinics* (poster); 3) *Patient Characteristics Affecting Perceived Access to Medical and Psychiatric Care in Veterans with Bipolar Disorder* (poster).

June 2007: Seventh International Conference on Bipolar Disorder (Pittsburgh) – 1) *Self-reported Access to Medical and Psychiatric Care in Patients with Bipolar Disorder* (oral presentation); 2) *Therapeutic Alliance Perceptions and Medication Adherence in Patients with Bipolar Disorder* (poster).

March 2007: International Conference of Schizophrenia Research (Colorado Springs) – *Impact of schizophrenia on inpatient pulmonary deaths* (poster).

February 2006: VA National Health Services Research & Development Conference (Washington DC) – 1) *Ethnicity, Perceptions of Therapeutic Alliance, and Adherence in Patients with Bipolar Disorder* (oral presentation); 2) *Ethnicity and the Impact of Higher Medication Copayments among Veterans with Schizophrenia* (poster); 3) *The Role of Comorbid Psychiatric Conditions on Health Status in Veterans with Epilepsy* (poster).

April 2005: International Conference of Schizophrenia Research (Savannah, GA) – *Impact of Higher Pharmacy Copayments on Veterans with Schizophrenia* (poster; abstract published in special issue of *Schizophrenia Bulletin*: 31(2):555).

February 2005: VA National Health Services Research & Development Conference (Washington DC) – *Medication Copayments and Pharmacy Utilization in Veterans with Schizophrenia* (oral presentation).

June 2004: Academy Health Conference (San Diego) – 1) *Atypical Antipsychotics and Schizophrenia with Comorbid Substance Abuse*; 2) *Efforts to Recruit Patients with Schizophrenia into Randomized Research Studies* (posters).

May 2004: American Psychiatric Association conference (New York) – *Atypical Antipsychotics and Schizophrenia with Comorbid Substance Abuse* (poster).

February 2003: VA National Health Services Research & Development Conference (Washington DC) – 1) *The Role of Ethnicity in the Diagnosis of Veterans with Serious Mental Illness* (oral presentation); 2) *Aging and Utilization Patterns among Veterans with Mental Illnesses* (poster).

June 2002: Academy Health Conference (Washington DC) – 1) *Ethnicity, Psychosis, and Veterans* (poster); 2) *The Cost-utility of Depression Screening* (poster); 3) *Strengths Program versus Assertive Community Treatment: Effect on Patient Outcomes* (oral presentation at AHQR trainees conference, poster at primary session).

April 2002: National Institute of Mental Health (Washington DC) – *Ethnicity, Psychosis, and Veterans: Diagnostic Patterns 1999-2000* (poster).

February 2002: VA National Health Services Research & Development Conference (Washington DC) – *The Cost-utility of Depression Screening: Usual Care versus Collaborative Treatment* (poster).

September 2001: University of Maryland / Veterans Affairs VISN 5 MIRECC (Baltimore): African-Americans and Schizophrenia conference – *Ethnicity and Diagnostic Disparities in Veterans with Psychosis* (poster).

February 2001: VA National Health Services Research & Development Conference (Washington DC) – *Registry Report on Veterans with Psychoses*; oral presentation and workshop on report evolution and findings.

June 2000: Academy Health Conference (Los Angeles) – *Depression Screening in Primary Care*; poster at primary session, oral presentation at AHQR trainees conference.

Ad-hoc Journal Reviewer (over 225 reviews total):

In addition to my current associate editor and board positions, I have contributed manuscript reviews to about 40 health services and clinical journals, notably: *American Journal of Managed Care*, *American Journal of Preventive Medicine*, *American Journal of Public Health*, *Bipolar Disorder*, *BMC Health Services Research*, *British Medical Journal*, *Comprehensive Psychiatry*, *Diabetes Care*, *Journal of Affective Disorders*, *Journal of Healthcare for Poor and Underserved*, *Journal of General Internal Medicine*, *Medical Care*, *Patient Education and Counseling*, *Pharmacoepidemiology and Drug Safety*, *Psychiatric Services*, *Schizophrenia Bulletin*, *Value in Health*.

Scholarships, Fellowships and Awards:

- Best Abstract for Mental Health theme, HMO Research Conference 2014 - Antipsychotic Polypharmacy Trends Among Schizophrenia Patients Across Multiple Healthcare Systems.
- Best Abstract for Quality & Efficiency: Improving Processes of Care theme, Academy Health 2009 - Cost-Related Medication Adherence and Patients' Experience with the Chronic Care Model.
- Best New Investigator poster, ISPOR 2008 - Ethnicity and the Impact of Higher Medication Copayments among Veterans with Schizophrenia.
- *Agency for Health Care Policy and Research (ACHPR) Fellowship* – National Service Research Award, University of Michigan, 1998-2000.
- *Alumni Scholarship* – MHA program, University of Washington, 1997.
- *First Interstate Scholarship / Dean's List / Los Angeles Philanthropic Society Scholarship* – Occidental College
- *Scholar-Athlete Award Finalist* – Occidental College
- *Most Valuable Player, Most Inspirational* – Intercollegiate tennis: Occidental College, *All-League First Team* – SCIAC league, 1985-1987.

Professional Membership and Activities:

- ◆ *AMSUS, The Society of Federal Health Professionals*, member (2019 – present)
- ◆ *Schizophrenia International Research Society*, member (2012 – present)
- ◆ *American Society of Hispanic Psychiatry*, member (2008 – present)
- ◆ *Academy of Health Services Research*, member (2002 – present)
- ◆ *International Society for Pharmacoeconomics & Outcomes Research (ISPOR)*, member (2005 – present)
- ◆ *Leadership Committee -- MHA Program, University of Washington* (1996 – 1998)
 - Peer-elected as Co-facilitator of the student run student organization. Full responsibility for overseeing and coordinating various sub-committees including budget and fundraising, orientation, graduation functions, student and professional mentor activities, and academic seminars. Also assisted with curriculum changes and admissions.
- ◆ *Norway Study Practicum*
 - Assisted in developing the itinerary for a two-week comparative study experience of the Norwegian healthcare system, September 1997. Included, among others, were visits to the National Health Ministry, a for-profit hospital, a rural health system, and an occupational health program. Helped draft funding proposal and solicited financial support from the School of Public Health and local healthcare organizations. Students prepared an academic paper and gave several presentations at professional seminars.