

Do Not Use for Proposals

Marika Suttorp Booth

EDUCATION

Master of Science in Biostatistics, The University of California, Los Angeles
Bachelor of Arts in Sociology, The University of California, San Diego

PROFESSIONAL EXPERIENCE

Statistical Analyst

RAND, Santa Monica, California

September 1998 to present

Provide statistical and analytical support to research projects in the areas of health policy, public safety and justice, and education.

Assistant Instructor

UCLA/RAND Clinical Scholars' Program

Summer 2000 - 2002

Summer 2005 - 2007

Instruct 15 physicians with statistics coursework and SAS programming for a Biostatistics summer course. Conduct a weekly two-hour section.

Graduate Student Researcher

UCLA Department of Radiology

January 1997 to September 1998

Served as statistical support on radiological studies and clinical trials.

RESEARCH AREAS

Computation: SAS, Stata, R, StatXact, Excel, Word

Health: Systematic Review of Social Determinants of Health; Evaluation Design Plan for the Medicare Advantage Value-Based Insurance Design Model Test; Impact of the Socio-Economic and Disability Status on STAR Ratings

Social and Economic Well-Being: South Dakota Desistance study;
Estimating the Effect of 24/7 Sobriety on Morbidity and Mortality in North Dakota; Environmental Modifiers of Huntington's Disease

Army Research Division: Mindfulness in the U.S. Army: Identifying Best Practices

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PEER-REVIEWED PUBLICATIONS

Griffin BA, **Booth MS**, Busse M, et al. Estimating the Causal Effects of Modifiable, Non-genetic Factors on Huntington Disease Progression Using Propensity Score Weighting. *Parkinsonism Related Disorders*. 2021.

Tang AB, Lamaina M, Childers CP, Mak SS, Ruan Q, Begashaw MM, Bergman J, **Booth MS**, Shekelle PG, Wilson M, Gunnar W, Maggard-Gibbons M, Girgis MD. Perioperative and Long-Term Outcomes of Robot-Assisted Partial Nephrectomy. *Am Surg*. 2020 Sep.

Lamaina M, Childers CP, Liu C, Mak SS, **Booth MS**, Conte MS, Maggard-Gibbons M, Shekelle PG. Clinical Effectiveness and Resource Utilization of Surgery versus Endovascular Therapy for Chronic Limb-Threatening Ischemia. *Annals of Vascular Surgery* 2020: 5.

Khodyakov D, Grant S, Denger B, Kinnett K, Martin A, **Booth M**, Armstrong C, Dao E, Chen C, Coulter I, Peay H, Hazlewood G, Street N. Using an Online, Modified Delphi Approach to Engage Patients and Caregivers in Determining the Patient-Centeredness of Duchenne Muscular Dystrophy Care Considerations. *Med Decis Making*. 2019 Nov 39(8): 1019-1031.

Khandelwal SS, Jun JJ, Mak S, **Booth MS**. Effectiveness of Multifocal and Monofocal Intraocular Lenses for Cataract Surgery and Lens Replacement: A Systematic Review and Meta-Analysis. *Graefes Arch Clin Exp Ophthalmol* 2019: 257.

Coulter ID, Crawford C, Vernon H, Hurwitz EL, Khorsan R, **Booth MS**, Herman PM. Manipulation and Mobilization for Treating Chronic Nonspecific Neck Pain: A Systematic Review and Meta-Analysis for an Appropriateness Panel. *Pain Physician*. 2019 Mar;22(2):E55-E70.

Pedersen ER, Rubenstein LV, Kandrack R, Danz MS, Belsher BE, Motala A, **Booth M**, Larkin J, Hempel S. Elusive Search for Effective Provider Interventions: A Systematic Review of Provider Interventions to Increase Adherence to Evidence-Based Treatment for Depression. *Implementation Science*. 2018: 13.

Grant S, **Booth M**, Khodyakov D. Lack of Preregistered Analysis Plans Allows Unacceptable Data Mining for and Selective Reporting of Consensus in Delphi Studies. *Journal of Clinical Epidemiology* 2018: 99.

Shekelle PG, Cook IA, Miake-Lye IM, **Booth MS**, Beroes JM, Mak S. Benefits and Harms of Cranial Electrical Stimulation for Chronic Painful Conditions, Depression, Anxiety, and Insomnia: A Systematic Review. *Ann Intern Med*. 2018:168:414–421.

Coulter ID, Crawford C, Hurwitz EL, Vernon H, Khorsan R, **Booth MS**, Herman PM. Manipulation and Mobilization for Treating Chronic Low Back Pain: A Systematic Review and Meta-analysis. *The Spine Journal*. 2018.

Paige NM, Miake-Lye IM, **Booth MS**, Beroes JM, Mardian AS, Dougherty P, Branson R, Tang B, Morton SC, Shekelle PG. Association of Spinal Manipulative Therapy with Clinical Benefit and Harm for Acute Low Back Pain: Systematic Review and meta-analysis. *JAMA*. 2017: 317(14) 1451-1460.

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- Grant S, Colaiaco B, Motala A, Shanman R, **Booth M**, Sorbero M, Hempel S. Mindfulness-based Relapse Prevention for Substance Use Disorders: A Systematic Review and Meta-analysis. *Journal of Addiction Medicine*. 2017 11(5): 386-396.
- Hunter, SB, Rutter CM, Ober AJ, **Booth MS**. Building capacity for continuous quality improvement (CQI): A pilot study. *Journal of Substance Abuse Treatment*. 2017: 81 44-52.
- Nuckols TK, Keeler E, Morton S, Anderson L, Doyle B, Pevnick J, **Booth M**, Shanman R, Arifkhanova A, Shekelle P. Economic Evaluation of Quality Improvement Interventions Designed to Prevent Hospital Readmission: A Systematic Review. *JAMA Internal Medicine*. 2017: 177(7): 975-985.
- Khodyakov D, Grant S, Meeker D, **Booth M**, Pacheco-Santivanez N, Kim KK. Comparative Analysis of Stakeholder Experiences with an Online Approach to Prioritizing Patient-Centered Research Topics. *Journal of the American Medical Informatics Association*. 2017: 0(0) 1-7.
- Kulesza M, Hunter SB, Shearer AL, **Booth M**. Relationship between Provider Stigma and Predictors of Staff Turnover among Addiction Treatment Providers. *Alcoholism Treatment Quarterly*. 2017: 35(1).
- Hilton L, Maher AR, Colaiaco B, Apaydin E, Sorbero ME, **Booth M**, Shanman R M, Hempel S. Meditation for Posttraumatic Stress: Systematic Review and Meta-analysis. *Psychological Trauma: Theory, Research, Practice, and Policy*. 2016 . Jul 2017 9(4): 453-460.
- Dawes AJ, Maggard Gibbins M, Ruelaz Maher A, **Booth MJ**, Miake-Lye, IM, Beroes JM, Shekelle PG. Mental Health Conditions Among Patients Seeking and Undergoing Bariatric Surgery: a Meta-Analysis. *JAMA*. 2016: 315(2) 150-163.
- Khodyakov D, Mikesell L, Schraiber R, **Booth M**, Bromley E. On Using Ethical Principles of Community-Engaged Research in Translational Science. *Translational Research*. 2016: 171 52-62.
- Hempel S, Maggard-Gibbins M, Nguyen DK, Dawes AJ, Miake-Lye I, Beroes JM, **Booth MJ**, Miles JNV, Shanman R, Shekelle PG. Wrong-Site Surgery, Retained Surgical Items, and Surgical Fires: A Systematic Review of Surgical Never Events. *JAMA Surgery*. 2015: Epub.
- Kleijn MJ, Farmer MM, **Booth M**, Motala A, Smith AC, Sherman SE, Assendelft WJJ, Shekelle PG. Systematic Review of School-Based Interventions to Prevent Smoking for Girls. *Systematic Reviews*. 2015: 4(109) 1-12.
- Wong J, Hickman LJ, **Booth MJ**. "Examining Recidivism Among Foreign-Born Jail Inmates: Does Immigration Status Make a Difference Over the Long Term?" *Global Crime*, 2015: 265-287.
- Ramchand R, Griffin BA, Hunter SB, **Booth MS**, McCaffrey DF. Provision of Mental Health Services as a Quality Indicator for Adolescent Substance Abuse Treatment Facilities. *Psychiatric Services*. 2015: 41-48.
- Hempel S, Shekelle PG, Taylor SL, Solloway MR, Miake-Lye IM, Beroes JM, Shanman R, **Booth M**, Siroka AM. Evidence Map of Acupuncture. *Evidence-Based Synthesis Program Reports*. 2014.

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- Troxel WM, **Booth M**, Buysee DJ, Elliott MN, Suskind AM, Clemens JQ, Berry SH. Sleep disturbances and nocturnal symptoms: relationships with quality of life in a population-based sample of women with interstitial cystitis/bladder pain syndrome. *Journal of Clinical Sleep Medicine*. 2014;10(12) 1331-1337.
- Crandall CJ, Newberry SJ, Diamant A, Lim Y, Gellad WF, **Booth MJ**, Motala A, Shekelle PG. Comparative effectiveness of pharmacologic treatments to prevent fractures: an updated systematic review. *Annals of Internal Medicine*. 2014. 161(10) 711-724.
- Hickman LJ, Wong J, **Booth MS**. Is previous removal from the United States a marker for high recidivism risk? Results from a 9-year follow-up study of criminally involved unauthorized immigrants. *Criminal Justice Policy Review*. 2014: 1-24.
- Hempel S, Miles JNV, **Booth MJ**, Wang Z, Morton SC, Shekelle PG. Risk of bias: a simulation study of power to detect study-level moderator effects in meta-analysis. *Systematic Reviews*. 2013; 2(1):107.
- Suskind AM, Berry SH, **Booth M**, Elliott EN, Hays RD, Ewing B, Clemens JQ. Health-related quality of life in patients with interstitial cystitis/bladder pain syndrome and frequently associated comorbidities. *Quality of Life Research*. 2013: 1537-1541. PMID: 23054497.
- Hunter SB, Griffin BA, **Booth M**, Ramchand R, McCaffrey DF. Assessing the generalizability of the CSAT-sponsored GAIN dataset. *Journal of Substance Abuse Treatment*. 2013: 238-243. PMID: 23988191.
- Hempel S, Newberry S, Wang Z, **Booth M**, Shanman RM, Johnsen B, Shier V, Saliba D, Spector WD, Ganz DA. Hospital fall prevention: a systematic review of implementation, components, adherence, and effectiveness. *Journal of the American Geriatrics Society*. 2013: 483-494. PMID: 23527904.
- Suskind AM, Berry SH, Ewing B, Elliott MN, **Booth M**, Clemens JQ. The prevalence and overlap of interstitial cystitis/bladder pain syndrome and chronic prostatitis/chronic pelvic pain syndrome in men. *The Journal of Urology*. 2013: 1410145. PMID: 23164386.
- Clemens JQ, Elliott MN, **Suttorp M**, Berry SH. Temporal Ordering of interstitial cystitis/bladder pain syndrome and non-bladder conditions. *Urology*. 2012;80:1227-1232. PMID: 23206765.
- Paddock SM, Kilmer B, Caulkins JP, **Booth MJ**, Pacula RL. An epidemiological model for examining marijuana use over the life course. *Epidemiology Research International*. 2012:1-12. PMID: PMC3518305.
- Griffin BA, McCaffrey DF, Ramchand RN, Hunter SB, **Booth MS**. Assessing the sensitivity of treatment effect estimates to differential follow-up raters: implications for translational research. *Health Services and Outcomes Research Methodology*. 2012;12:84-103. PMID: 22956890.
- Bogart LM, **Suttorp MJ**, Elliott MN, Clemens JQ, Berry SH. Validation of a quality-of-life scale for women with bladder pain syndrome/interstitial cystitis. *Quality of Life Research*. 2012;21:1665-1670. PMID: 22146841.

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Hunter SB, Ramchand R, Griffin BA, **Suttorp MJ**, McCaffrey D, Morral A. The effectiveness of community-based delivery of an evidence-based treatment for adolescent substance use. *J Subst Abuse Treat.* 2012;43:211-220. PMID: 22209657.

Konkle KS, Berry SH, Elliott MN, Hilton L, **Suttorp MJ**, Clauw DJ, Clemens JQ. Comparison of an interstitial cystitis/bladder pain syndrome clinical cohort with symptomatic community women from the RAND Interstitial Cystitis Epidemiology Study. *J Urol.* 2012 Feb;187(2):508-12. PMID: 22177158.

Maher AR, Maglione M, Bagley S, **Suttorp M**, Hu JH, Ewing B, Wang Z, Timmer M, Sultzer D, Shekelle PG. Efficacy and comparative effectiveness of atypical antipsychotic medications for off-label uses in adults: a systematic review and meta-analysis. *JAMA.* 2011 Sep 28;306(12):1359-69. Review. Erratum in: *JAMA.* 2012 Jan 11;307(2):147. PMID:21954480.

Berry SH, Elliott MN, **Suttorp M**, Bogart LM, Stoto MA, Eggers P, Nyberg L, Clemens JQ. Prevalence of symptoms of bladder pain syndrome/interstitial cystitis among adult females in the U.S. *J Urolog.* 2011;186(2):540-4. PMID: 21683389.

Bogart LM, **Suttorp MJ**, Elliott MN, Clemens JQ, Berry SH. Prevalence and Correlates of Sexual Dysfunction among Women with Bladder Pain Syndrome/Interstitial Cystitis (BPS/IC). *J Urolog.* 2011; 77(3):576-80. PMC3059214. PMID: 21215432.

Bogart LM, **Suttorp MJ**, Elliott MN, Clemens JQ, Berry SH. Validation of a quality-of-life scale for women with bladder pain syndrome/interstitial cystitis. *Qual Life Res.* [Epub Dec 2011]. PMID: 22146841

Grenard JL, Munjas BA, Adams JL, **Suttorp M**, Maglione M, McGlynn EA, Gellad WF. Depression and Medication Adherence in the Treatment of Chronic Diseases in the United States: A Meta-Analysis. *J Gen Intern Med.* [Epub May 2011]. 2011;26(10):1175-82. PMID:21533823.

O'Neill SM, Hempel S, Lim YW, Danz MS, Foy R, **Suttorp MJ**, Shekelle PG, Rubenstein LV. Identifying continuous quality improvement publications: what makes an improvement intervention 'CQI'? *BMJ Qual Saf.* 2011; Jul 4. [Epub ahead of print]. PMID: 21727199.

Ramchand R, Griffin BA, **Suttorp M**, Harris KM, Morral A. Using a Cross-Study Design to Assess the Efficacy of Motivational Enhancement Therapy–Cognitive Behavioral Therapy 5 (MET/CBT5) in Treating Adolescents with Cannabis-Related Disorders. *J. Stud. Alcohol Drugs* 2011;72: 380–389. PMCID: PMC3084355. PMID: 21513674.

Clemens JQ, Bogart LM, Liu K, Pham C, **Suttorp M**, Berry SH. Perceptions of "urgency" in women with interstitial cystitis/bladder pain syndrome or overactive bladder. *Neurourology and Urodynamics* 2011; 30(3):402-5. PMID: 21412821.

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Watkins KE, Eberhart N, Hilton L, **Suttorp MJ**, Hepner KA, Clemens JQ, Berry SH. Depressive Disorders and Panic Attacks in Women with Bladder Pain Syndrome/ Interstitial Cystitis: A Population-Based Sample. *General Hospital Psychiatry*. 2011;33(2):143-9. Epub 21 February 2011.

Danz MS, Rubenstein LV, Hempel S, Foy R, **Suttorp M**, Farmer MM, Shekelle PG. Identifying quality improvement intervention evaluations: is consensus achievable? *Qual Saf Health Care*. 2010;19:279-283.

Anger JT, Weinberg A, **Suttorp MJ**, Litwin MS, Shekelle PG. Outcomes of Intravesical Botulinum Toxin for Idiopathic Overactive Bladder Symptoms: A Systematic Review of the Literature. *J Urolog*. 2010;183(6):2258-64.

Berry SH, Bogart LM, Pham C, Liu K, Nyberg L, Stoto M, **Suttorp M**, Clemens JQ. Development, validation and testing of an epidemiological case definition of interstitial cystitis/painful bladder syndrome. *J Urolog*. 2010;183:1848-52.

Chafen JJ, Newberry, Riedl MA, Bravata DM, Maglione M, **Suttorp MJ**, Sundaram V, Paige NM, Towfigh A, Hulley BJ, Shekelle PG. Diagnosing and managing common food allergies: a systematic review. *JAMA*. 2010;303(18):1848-56.

Coker TR, Chan LS, Newberry SJ, Limbos MA, **Suttorp MJ**, Shekelle PG, Takata GS. Diagnosis, microbial epidemiology, and antibiotic treatment of acute otitis media in children: a systematic review. *JAMA*. 2010;304(19):2161-2169.

Foy R, Hempel S, Rubenstein L, **Suttorp M**, Seelig M, Shanman R, Shekelle PG. Does interactive communication between collaborating primary care and specialist physicians improve outcomes? Systematic review and meta-analysis. *Ann Int Med*. 2010;152(4):247-58.

Bazzano A, Mangione-Smith R, Schonlau M, **Suttorp M**, Brook R. Off-label prescribing to children in the United States outpatient setting. *Acad Peds*. 2009; 9:81-8.

vanTulder MW, **Suttorp M**, Morton S, Bouter LM, Shekelle P. Empirical evidence of an association between internal validity and effect size in randomized controlled trials of low-back pain. *Spine*. 2009;34:1685-92.

Hickman LJ, **Suttorp MJ**. Are deportable aliens a unique threat to public safety? Comparing the recidivism of deportable and nondeportable aliens. *Criminology & Public Policy*. 2008;7(1):59-82.

Hickman LJ, **Suttorp MJ**. The recidivism patterns of previously deported aliens released from a local jail: are they really high offenders? *Crime Delinq*. 2008;7(1):59-82. (Published online on June 3, 2008 as doi:10.1177/0011128708317636.)

Liu H, Paige NM, Goldzweig CL, Wong E, Zhou A, **Suttorp MJ**, Munjas B, Orwoll E, Shekelle P. Screening for osteoporosis in men: a systematic review for an American College Of Physicians guideline. *Ann Int Med*. 2008;148(9):685-701.

MacLean C, Newberry S, Maglione M, McMahon M, Ranganath V, **Suttorp M**, Mojica W, Timmer T, Alexander A, McNamara M, Desai SB, Zhou A, Chen S, Carter J, Tringale C, Valentine D, Johnsen B,

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Grossman J. Systematic Review: Comparative effectiveness of treatments to prevent fractures in men and women with low bone density or osteoporosis. *Ann Int Med.* 2008;148(3):197-213.

Maggard MA, Yermilov I, Li Z, Maglione M, Newberry S, **Suttorp M**, Hilton L, Santry HP, Morton JM, Livingston EH, Shekelle PG. Pregnancy and fertility following bariatric surgery: a systematic review. *JAMA.* 2008;300(19): 2286-2296.

Mutchler MG, Bogart LM, McKay T, Elliot M, **Suttorp M**, Schuster MA. Psychosocial Correlates of unprotected sex without disclosure of HIV-positivity among african-american, latino, and white men who have sex with men and women. *Archives of Sexual Behavior.* 2008;37(5):736-47.

Towfigh A, Romanova M, Weinreb JE, Munjas B, **Suttorp MJ**, Zhou A, Shekelle PG. Self-monitoring of blood glucose levels in patients with type 2 diabetes mellitus not taking insulin: a meta-analysis. *Am J Manag Care.* 2008;14(7):468-475.

Zellman GL, Gates SM, Moini JS, **Suttorp M**. Meeting family and military needs through military child care. *Armed Forces Soc.* 2008;35(3):437-59.

Beran M, Laouri M, **Suttorp M**, Brook R. Medication Costs: The role physicians play with their senior patients. *J Am Geriatr Soc.* 2007;55(1):102-107.

MacLean CH, Newberry SJ, Mojica WA, Khanna P, Issa AM, **Suttorp MJ**, Lim YW, Traina SB, Hilton L, Garland R, Morton SC. Effects of Omega-3 fatty acids on cancer risk: a systematic review. *JAMA.* 2006;295(4):403-415.

Chodosh J, Morton SC, Mojica W, Maglione M, **Suttorp MJ**, Hilton L, Rhodes S, Shekelle P. Meta-Analysis: chronic disease self-management programs for older adults. *Ann Int Med.* 2005;143:427-438.

Karsan HA, Morton SC, Shekelle PG, Spiegel BM, **Suttorp MJ**, Edelstein MA, Gralnek IM. Combination endoscopic band ligation and sclerotherapy compared with endoscopic band ligation alone for the secondary prophylaxis of esophageal variceal hemorrhage: a meta-analysis. *Dig Dis Sci.* 2005; 50(2):399-406.

Li Z, Maglione M, Tu T, Mojica W, Arterburn D, Shugarman LR, Hilton L, **Suttorp M**, Solomon V, Shekelle PG, Morton SC. Meta-Analysis: pharmacologic treatment of obesity. *Ann Int Med.* 2005;142(7):532-546.

Maggard MA, Shugarman LR, **Suttorp M**, Maglione M, Sugarman HJ, Livingston EH, Nguyen NT, Li Z, Mojica WA, Hilton LH, Rhodes S, Morton SC, Shekelle PG. Meta-Analysis: surgical treatment of obesity. *Ann Int Med.* 2005;142(7):547-559.

Shekelle PG, Morton SC, **Suttorp MJ**, Buscemi N, Friesden C. Challenges in systematic reviews of complementary and alternative medicine topics. *Ann Int Med.* 2005;142(12):1042-1047.

Chang JT, Morton SC, Rubenstein LQ, Mojica WA, Maglione Margaret, **Suttorp MJ**, Roth EA, Shekelle PG. Interventions for the prevention of falls in older adults: systematic review and meta-analysis of randomised clinical trials. *BMJ.* 2004; 328(7441):680-687.

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Mojica WA, **Suttorp MJ**, Sherman SE, Morton SC, Roth EA, Maglione MA, Rhodes SL, Shekelle PG. Smoking-Cessation interventions by type of provider: a meta-analysis. *Am J Prev Med.* 2004;26(5):391-401.

Shekelle PG, Morton SC, Jungvig LK, Udani J, Spar M, Tu W, **Suttorp MJ**, Coulter I, Newberry SJ, Hardy M. Effect of supplemental vitamin e for the prevention and treatment of cardiovascular disease. *J Gen Int Med.* 2004;19:380-389.

Assendelft WJ, Morton SC, Yu EI, **Suttorp MJ**, Shekelle PG. Spinal manipulative therapy for low back pain. *Ann Int Med.* 2003;138(11):871-881.

Shekelle PG, Hardy M, Maglione MA, Morton SC, Mojica WA, **Suttorp MJ**, Rhodes S, Jungvig L. Efficacy and safety of ephedra and ephedrine for weight loss and athletic performance: a meta-analysis. *JAMA.* 2003;289:1537-1545.

Goldin JG, Tashkin DP, Kleerup EC, Greaser LE, Haywood UM, Sayre JW, Simmons MD, **Suttorp M**, Colice GL, Vanden Burt J, Aberle DR. Comparative effects of hydrofluoroalkane and chlorofluorocarbon beclomethasone dipropionate inhalation on small airways: assessment with functional helical thin-section computed tomography. *J Allergy Clinical Immunology.* 1999;104(6):S258-267.

Brown MS, McNitt-Gray MF, Goldin JG, **Suttorp MJ**, Sayre JW, Aberle DR. Volumes versus orthogonal diameters for estimating tumor change: a ct phantom study. (Abstract) *Radiology.* 1998;209(P):375.

PROFESSIONAL MEMBERSHIPS

American Statistical Association	1996 – present
Delta Omega Honor Society	2000 – present
Southern California Chapter of the ASA, Vice President	2008 – 2011