

AUGMENTED CURRICULUM VITAE

Robert Douglas Wellman

robdwellman@gmail.com

619-944-2189

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1. BIOGRAPHICAL INFORMATION:

Robert D. Wellman, M.S.
Principal Collaborative Biostatistician
Biostatistics Unit, Kaiser Permanente of Washington Health Research Institute
1730 Minor Avenue, Ste. 1360
Seattle, WA 98101
Phone: 619-944-2189
Email: robert.d.wellman@kp.org | robdwellman@gmail.com

2. EDUCATION:

University of California Santa Cruz, Santa Cruz, CA

B.A. Economics (1997)

- Minor: Mathematics
- Highest honors in the major

University of Washington, Seattle, WA

M.S. in Biostatistics (2008)

- Master's Thesis Topic: Multiple Imputation & Marginal Structural Models for Estimating Causal Effects in the Presence of Intermittent Missing Data: Breastfeeding's Effect on HIV Progression in a Cohort of Kenyan Mothers.
- Advisor: Dr. Elizabeth Brown

3. PROFESSIONAL POSITIONS:

- 10/2023-present Principal Collaborative Biostatistician, Kaiser Permanente Washington, Seattle, WA.
- 02/2020-9/2023 Senior Collaborative Biostatistician, Kaiser Permanente Washington, Seattle, WA.
- 03/2017-02/2020 Biostatistician II, Kaiser Permanente Washington, Seattle, WA.
- 03/2015-03/2017 Biostatistician II, Group Health Research Institute, Seattle, WA.
- 10/2009-02/2015 Biostatistician I, Group Health Research Institute, Seattle, WA.
- Fall/Winter 2007/2008 Teaching Assistant, Applied Biostatistics I & II, Department of Biostatistics, University of Washington.
- 06/2004-09/2009 Research Assistant, Biostatistics Core, Center for AIDS Research, Harborview Medical Center, University of Washington.
- 1997-2004 Account Supervisor, Dallabrida & Associates Pharmaceutical Marketing & Patient Communications, San Francisco, CA.
- Fall 1996 Teaching Assistant, Introduction to Macroeconomics, UC Santa Cruz.

4. PROFESSIONAL HONORS

Not Applicable

5. MEMBERSHIPS

American Statistical Association
International Biometric Society, Eastern North America Region

6. ORGANIZATIONAL SERVICE:

KWHRI Presenter Computer/Programmer group: CB Job Track Overview (9/2024)
KPSWHRI Mentoring Committee (ASD) (2024)
KPSWHRI Scientific Advancement Committee 2.0 (2023/2024)
KPSWHRI Institute Leadership Team Advisory Committee (2022)
KPSWHRI Biostatistics Computing Committee (2021/2022/2023/2024)
KPSWHRI Collaborative Biostatistician Search Committee (Fall 2021/2022)
UW Graduate Biostatisticians Career Panel (10/2020)
KPSWHRI Collaborative Biostatistician Search Committee (Fall 2020)
KPSWHRI Innovation Fund Study Section (12/2019)
KPSWHRI Mentoring Award Committee (2018)
KPSWHRI Scientific Advisory Committee Member (10/2017-10/2018)
KPSWHRI Scientific Advisory Committee Co-Chair (10/2016-9/2017)
KPSWHRI Collaborative biostatistician search committee (10/2017)
GHRI Presenter Epidemiology 101: Basic Biostatistics (8/2015)
GHRI Biostatistics Group Coordinator (4/2014 to 10/2014)
GHRI Grant writing support for Rosenberg K-award (10/2012)
GHC Consulting project: Pharmacy resident Meg Kilcup analysis for publication of research conducted during residency, 5/2012
GHRI Methods Strategy Subgroup, Strategic Planning Process, 2011/2012
GHRI Biostatistician Hire Search Committee 10/2011
GHRI Statistical Consulting, Student Mentoring Program, Maastricht University, Netherlands, 2010-2011

7. OTHER PROFESSIONAL SERVICE:

Grant Reviewer, Institute of Translational Health Sciences, University of Washington, 2011.
Faculty Student Relations Committee, Department of Biostatistics, University of Washington, 2006-2008.
Software & Computing Committee, Department of Biostatistics, University of Washington, 2006-2007.

8. OTHER NATIONAL RESPONSIBILITIES

Not Applicable

9. EDITORIAL RESPONSIBILITIES

Reviewer, Maturitas (2023), Reviewer, Preventive Medicine Reports (2023); Reviewer, Cancer (2023); Reviewer, Contemporary Clinical Trials (2020, 2022, 2023, 2024), Reviewer, Vaccine (2019, 2021, 2023), Observational Studies (2017), BMJ Open (2017, 2015, 2013), Journal of Biopharmaceutical Statistics (2017), Annals of Internal Medicine (2015, 2013), Helyion (2024)

10. RESEARCH FUNDING (In the last 5 years)

1. Stat Core Opioid PMR 1B (None); PI: McBurnie; Campbell Alliance, Ltd (now InVentive); Total Directs: \$2,932,221; Role: Biostatistician SCC, 0.30 FTE, 10/1/2016 – 11/30/2018.
2. Tai Chi for Chronic Low Back Pain in Older Adults (1R34AT009052-01), PI: Karen Sherman, NCCIH, Total Award: \$171,768, Role: Sole Biostatistician, 0.05 FTE, 5/1/2016 – 1/14/2019.
3. Analysis of the Risk of Motor Vehicle Accidents in Patients with Obstructive Sleep Apnea (JA #32369), PI: Hansen, Dublin, Jazz Pharmaceuticals, Total Award: \$214,771, Role: Senior Biostatistician, 0.10 FTE, 2/1/2018-7/31/2019.
4. Cognitive Behavioral Therapy for Arthritis Pain and Insomnia in Older Adults (R01AG031126-05), Michael V. Vitiello, Lead PI, Susan McCurry and Michael Von Korff, Co-PIs, NIH, Total Award: 2,936,445, Role: Senior Biostatistician, 0.10 FTE 5/01/2018-3/14/2021.
5. Social Needs Network for Evaluation and Translation, PI: Steiner, Kaiser Program Office of Community Benefit, Total Award: \$470,915, Role: Sole Biostatistician, 1/1/2019-7/2021.
6. Randomized Trial on Pain Self-Management Training to Support Prescription Opioid Taper (R01 DA044970), PI: Sullivan, NIDA, Total Award: \$1,707,060 Role: Biostatistician, 0.10-0.20 FTE, 3/15/2018 – 5/31/2021
7. Reducing CNS-active Medications to Prevent Falls and Injuries in Older Adults (U01 CE002967) PIs: Phelan, CDC; Total Award: \$2,105,703 Role: Biostatistician, 0.20-0.30 FTE, 9/30/2018 – 04/30/2021.
8. PCORnet Bariatric Study (OBS-1505-30683), PIs: Arterburn, McTigue, Williams), Patient-Centered Outcomes Research Institute (PCORI), Total Award: \$4,500,000, Role: Biostatistician, 0.20-0.50 FTE, Feb 2016 – Jul 2022.
9. Effects of Medical Products on Suicidal Ideation and Behavior (HHSF223201810201C), PI: Simon; Federal Drug Agency, Total Directs: \$4,899,783, Role: Biostatistician, 0.10-0.40 FTE; 12/01/2018 - 2/28/2023.
10. Shared Decision Making for Bariatric Surgery in Patients with Severe Obesity (SDM2018C2-13368), PI: Arterburn, PCORI, Total Award: \$2,100,000, Role: Sole Biostatistician, 0.1-0.4 FTE, Dates: July 2019-Oct 2023.
11. KP National Social Needs Survey 2.0, PI: Cara Lewis, Kaiser Program Office Community Benefit, Total Directs: \$780,906, Role: Senior Biostatistician, 0.05-0.10 FTE, 4/1/2022-06/3/2023.
12. Pragmatic Trial of Acupuncture for Chronic Low Back Pain in Older Adults (UH3 AT010739), PIs: DeBar and Cook, NCCIH, Total Award: \$9,054,273; Role: Biostatistician/Data Lead, 0.20 FTE, 9/28/2019-8/31/2024.
13. Tailored Non-Pharmacotherapy Services for Chronic Pain: Testing Scalable and Pragmatic Approaches (UH3 AG067493); PI: DeBar; NIA; Total Award: \$9,750,997; Role: Biostatistician, 0.30-0.45, 3/1/2023-8/31/2025.
14. Innovative methods to reduce racial and ethnic disparities in suicide risk prediction (R01 MH125831), PI: Coley, NIMH; Total Direct costs: \$1,136,381, Role: Biostatistician/Neural Networks Lead, 0.20 FTE, 1/1/2022-12/31/2025.

11. TEACHING AND MENTORING RESPONSIBILITIES

Not Applicable

12. PUBLICATIONS

a) Published peer-reviewed research articles:

1. Sherman KJ, Cherkin DC, Cook AJ, Hawkes RJ, Deyo RA, **Wellman R**, Khalsa PS. Comparison of yoga versus stretching for chronic low back pain: protocol for the Yoga Exercise Self-care (YES) trial. *Trials*. 2010;11(1):36.
2. Cherkin D, Sherman K, Kahn J, **Wellman RD**, Cook A, Johnson J, Erro J, Delaney K, Deyo R. Effects of two types of massage on chronic low back pain: A randomized, controlled trial. *Annals of Internal Medicine*. 2011 Jul 5;155(1):1-9.
3. Sherman KJ, Cherkin DC, **Wellman RD**, Cook AJ, Hawkes RJ, Delaney K, Khalsa PS, Deyo RA. A Randomized Trial Comparing Yoga, Stretching, and a Self-care Book for Chronic Low Back Pain. *Archives of Internal Medicine*. 2011; 171(22):2019-2026
4. Hecht F, **Wellman R**, Busch M, Little S, Markowitz M, Collier A, Margolick J, Norris P, Routy JP, Holte S. Use of Quantitative Results from HIV Antibody EIAs to Identify Persons in Early Post-Seroconversion Periods. *J Infect Dis*. (2011) 204(4): 526-533.
5. Cook AJ, **Wellman RD**, Tiwari RC, Li L, Heckbert S, Marsh T, Heagerty P, and Nelson JC. Statistical approaches to group sequential monitoring of post-marketing safety surveillance data: Current state of the art for use in the mini-sentinel surveillance project. *Pharmacoepidemiol Drug Safety*. 2012. 21 Suppl:72-81.
6. Bowles EJ, **Wellman R**, Feigelson HS, Onitilo AA, Freedman AN, Delate T, Allen LA, Nekhlyudov L, Goddard KA, Davis RL, Habel LA, Yood MU, Magid D, Wagner EH, for the Pharmacovigilance Study Team. Risk of heart failure in breast cancer patients after anthracycline and trastuzumab treatment: a retrospective cohort study. *J Natl Cancer Inst*. 2012 Sep 5;104(17):1293-305.
7. Delate T, Bowles EJA, Pardee R, **Wellman RD**, Habel LA, Yood MU, Nekhlyudov L, Goddard KA, Davis RL, McCarty CA, Onitilo AA, Feigelson HS, Fremel J and Wagner E. Validity of Eight Integrated Healthcare Delivery Organizations' Administrative Clinical Data to Capture Breast Cancer Chemotherapy Exposure. *Cancer Epidemiology Biomarkers & Prevention* 2012; 21:673-80.
8. Allen LA, Yood MU, Wagner EH, Aiello Bowles EJ, Pardee R, **Wellman R**, Habel L, Nekhlyudov L, Davis RL, Onitilo AA, Magid DJ; for the Pharmacovigilance Research Group. Performance of Claims-based Algorithms for Identifying Heart Failure and Cardiomyopathy Among Patients Diagnosed with Breast Cancer. *Med Care*. ePub Ahead of Print, 25 May 2012.
9. Stekler JD, **Wellman R**, Holte S, Maenza J, Stevens CE, Corey L and Collier AC. Are there benefits to starting antiretroviral therapy during primary HIV infection? Conclusions from the Seattle Primary Infection Cohort vary by control group. *International Journal of STD & AIDS*. 2012;23(3):201-206.
10. Arterburn D, **Wellman RD**, Westbrook EO, Rutter C, Ross T, McCulloch D, Handley M, Jung C. Introducing Decision Aids at Group Health Was Linked To Sharply Lower Hip And Knee Surgery Rates And Costs. *Health Affairs*. September 2012 31:92094-2104.
11. Sherman KJ, Cook AJ, Kahn JR, Hawkes RJ, **Wellman RD** and Cherkin DC. Dosing study of massage for chronic neck pain: protocol for the dose response evaluation and analysis of massage [DREAM] trial. *BMC Complementary and Alternative Medicine* 2012, 12:158
12. Schairer C, Li Y, Frawley P, Graubard BI, **Wellman RD**, Buist DS, Kerlikowske K, Onega TL, Anderson WF, Miglioretti DL. Risk Factors for Inflammatory Breast Cancer and Other Invasive Breast Cancers. *J Natl Cancer Inst*. 2013 Sep 18;105(18):1373-1384.

13. Sherman KJ, **Wellman RD**, Cook AJ, Cherkin DC, and Ceballos RM. Mediators of Yoga and Stretching for Chronic Low Back Pain. *Evidence-Based Complementary and Alternative Medicine*, vol. 2013, Article ID 130818, 11 pages, 2013.
14. Sherman KJ, Cook AJ, **Wellman RD**, Hawkes RJ, Kahn JR, Deyo RA, Cherkin DC. Five-Week Outcomes from a Dosing Trial of Therapeutic Massage for Chronic Neck Pain. *Annals of Family Medicine* 2014 Mar-Apr;12(2):112-20.
15. Sprague BL, Gangnon RE, Burt V, Trentham-Dietz A, Hampton JM, **Wellman RD**, Kerlikowske K, and Miglioretti DL. Prevalence of Mammographically Dense Breasts in the United States. *JNCI J Natl Cancer Inst* (2014) 106 (10).
16. Cook, AJ, **Wellman, RD**, Nelson, JC, Jackson, LA and Tiwari, RC (2015), Group sequential method for observational data by using generalized estimating equations: application to Vaccine Safety Datalink. *Journal of the Royal Statistical Society: Series C (Applied Statistics)*, 64: 319–338.
17. Arterburn DE, **Wellman R**, Westbrook EO, Ross TR, McCulloch D, Handley M, Lowe M, Cable C, Zeliadt SB, Hoffman RM. Decision Aids for Benign Prostatic Hyperplasia and Prostate Cancer. *Am J Manag Care*. 2015 Feb 1;21(2): e130-40.
18. Cook AJ, **Wellman RD**, Kahn JR, Cherkin D and Sherman KJ. Positive benefits of additional massage treatments for chronic neck pain on 12- and 26-week outcomes. *Spine J* 15: 2206-2215.
19. Lehman C, Miglioretti D, **Wellman R**, DeMartini W, Yankaskas B, Buist D, Ichikawa L, Kerlikowske K, Tosteson A. Diagnostic Accuracy of Digital Screening Mammography with and without Computer-aided Detection. *JAMA Intern Med*. 2015 Nov 1;175(11):1828-37.
20. Haas JS, Hill DA, **Wellman RD**, Hubbard RA, Lee CI, Wernli KJ, Stout NK, Tosteson AN, Henderson LM, Alford-Teaster JA, Onega TL.; Disparities in the use of screening magnetic resonance imaging of the breast in community practice by race, ethnicity, and socioeconomic status.; *Cancer*. 2016 Feb 15;122(4):611-7.
21. Floyd JS, **Wellman R**, Fuller S, Bansal N, Psaty BM, de Boer IH, Scholes D. The Use of Electronic Health Data to Estimate heart Failure Events in a Population-Based CKD Cohort. *Clinical Journal of the American Society of Nephrology* 2016 Nov 7;11(11):1954-1961.
22. Nelson JC, **Wellman R**, Yu O, Cook AJ, Maro JC, Ouellet-Hellstrom R, Boudreau D, Floyd JS, Heckbert SR, Pinheiro S, Reichman M and Shoaibi A A Synthesis of Current Surveillance Planning Methods for the Sequential Monitoring of Drug and Vaccine Adverse Effects Using Electronic Health Care Data," *eGEMs* 2016; Vol. 4: Iss. 1, Article 17.
23. Cherkin D, Balderson B, Brewer G, Cook A, Talbert Estlin K, Evers SC, Foster NE, Hill JC, Hawkes R, Hsu C, Jensen M, LaPorte AM, Levine MD, Piekara D, Rock P, Sherman K, Sowden G, **Wellman R**, Yeoman J. Evaluation of a risk-stratification strategy to improve primary care for low back pain: the MATCH cluster randomized trial protocol. *BMC Musculoskeletal Disorders* Aug 24, 2016;17(1):361.
24. Hill DA, Haas JS, Wellman R, Hubbard RA, Lee CI, Alford-Teaster J, Wernli KJ, Henderson LM, Stout NK, Tosteson ANA, Kerlikowske K, Onega T. Utilization of breast cancer screening with magnetic resonance imaging in community practice. *J Gen Intern Med*. 2018 Mar;33(3):275-283.
25. Toh S, Rasmussen-Torvik LJ, Harmata EE, Pardee R, Saizan R, Malanga E, Sturtevant JL, Horgan CE, Anau J, Janning CD, **Wellman RD**, Coley RY, Cook AJ, Courcoulas AP, Coleman KJ, Williams NA, McTigue KM, Arterburn D, McClay J, for the PCORnet Bariatric Study Collaborative. The National Patient-Centered Clinical Research Network (PCORnet) Bariatric

Study Cohort: Rationale, Methods, and Baseline Characteristics. *Journal of Medical Internet Research*: 2017 Dec 5;6(12)

26. Inge T, Coley RY, Bazzano LA, Xanthakos SA, McTigue K, Arterburn D, Williams N, **Wellman R**, Coleman KJ, Courcoulas A, Desai NK, Anau J, Pardee R, Toh S, Janning C, Cook A, Sturtevant J, Horgan C, Zebrick AJ, Michalsky M. Comparative effectiveness of bariatric procedures among adolescents: the PCORnet bariatric study. *Surg Obes Relat Dis*. 2018; 14(9): 1374-1386.
27. Cherkin D, Balderson B, **Wellman R**, Hsu C, Sherman KJ, Evers SC, Hawkes R, Cook A, Levine MD, Piekara D, Rock P, Estlin KT, Brewer G, Jensen M, LaPorte AM, Yeoman J, Sowden G, Hill JC, and Foster NE. Effect of low back pain risk-stratification strategy on patient outcomes and care processes: The MATCH randomized trial. *J General Internal Medicine* 2018; 33(8): 1324-1336.
28. Arterburn D, Wellman R, Emiliano A, Smith SR, Odegaard AO, Murali S, Williams N, Coleman KJ, Courcoulas A, Coley RY, Anau J, Pardee R, Toh S, Janning C, Cook A, Sturtevant J, Horgan C, McTigue KM. Comparative effectiveness and safety of bariatric procedures for weight loss: a PCORnet cohort study. *Ann Intern Med*. 2018 Oct 30. pii: 2711394.
29. Toh S, **Wellman R**, Coley RY, Horgan C, Sturtevant J, Moyneur E, Janning C, Pardee R, Coleman KJ, Arterburn D, McTigue K, Anau J, and Cook AJ, for the PCORnet Bariatric Study Collaborative. Combining distributed regression and propensity scores: A doubly privacy-protecting analytic method for multi-center research. *Clinical Epidemiology*. 2018; 10: 1773-1786.
30. Cook AJ, **Wellman RD**, Marsh T, Shoaibi A, Tiwari, R, Nguyen, M, Boudreau D, Weintraub ES, Jackson L, and Nelson JC. Applying sequential surveillance methods that use regression adjustment or weighting to control confounding in a multisite, rare-event, distributed setting: Part 2 in-depth example of a reanalysis of the measles-mumps-rubella-varicella combination vaccine and seizure risk. *Journal of Clinical Epidemiology*. 2019, 113:114-122.
31. McCurry, S.M., Von Korff, M., Morin, C.M., Cunningham, A., Pike, K.C., Thakral, M., **Wellman, RD**, Yueng, K., Zhu, W., Vitiello, MV. Telephone Interventions for Co-Morbid Insomnia and Osteoarthritis Pain: The OsteoArthritis and Therapy for Sleep (OATS) Randomized Trial Design. *Contemporary Clinical Trials*. 2019 Dec; 87:105851.
32. Shi X, **Wellman R**, Heagerty PJ, Nelson JC, Cook AJ. Safety surveillance and the estimation of risk in select populations: Flexible methods to control for confounding while targeting marginal comparisons via standardization. *Stat Med*. 2020;39(4):369-386.
33. Fireman B, Gruber S, Zhang Z, **Wellman R**, Nelson JC, Franklin J, Maro J, Murray CR, Toh S, Gagne J, Schneeweiss S, Amsden L, & Wyss R (2020). Consequences of Depletion of Susceptibles for Hazard Ratio Estimators Based on Propensity Scores. *Epidemiology*, 31(6), 806–814.
34. McTigue KM, **Wellman R**, Nauman E, Anau J, Coley RY, Odor A, Tice J, Coleman KJ, Courcoulas A, Pardee RE, Toh S, Janning CD, Williams N, Cook A, Sturtevant JL, Horgan C, Arterburn D; PCORnet Bariatric Study Collaborative. Comparing the 5-Year Diabetes Outcomes of Sleeve Gastrectomy and Gastric Bypass: The National Patient-Centered Clinical Research Network (PCORNet) Bariatric Study. *JAMA Surg*. 2020 May 1;155(5):e200087.
35. Lewis CC, **Wellman R**, Jones S, Walsh-Bailey C, Thompson E, Derus A, Paolino A, Steiner J, De Marchis EH, Gottlieb LM, & Sharp AL. Comparing the performance of two social risk screening tools in a vulnerable subpopulation. *J Family Medicine and Primary Care*. 2020; 9(9), 5026–5034.

36. Courcoulas A, Coley RY, Clark JM, McBride CL, Cirelli E, McTigue K, Arterburn D, Coleman KJ, **Wellman R**, Anau J, Toh S, Janning CD, Cook AJ, Williams N, Sturtevant JL, Horgan C, Tavakkoli A; PCORnet Bariatric Study Collaborative. for the PCORnet Bariatric Study Collaborative. Interventions and Operations 5 Years After Bariatric Surgery in a Cohort from the US National Patient-Centered Clinical Research Network Bariatric Study. *JAMA Surg.* 2020;155(3):194–204.
37. Sherman KJ, **Wellman RD**, Hawkes RJ, Phelan EA, Lee T, Turner JA. T'ai Chi for Chronic Low Back Pain in Older Adults: A Feasibility Trial. *J Altern Complement Med.* 2020 Mar;26(3):176-189.
38. Wartko PD, Boudreau DM, Turner JA, Cook AJ, **Wellman RD**, Fujii MM, Garcia RC, Moser KA, Sullivan MD. STRategies to Improve Pain and Enjoy life (STRIPE): protocol for a pragmatic randomized trial of pain coping skills training and opioid medication taper guidance for patients on long-term opioid therapy. *Contemp Clin Trials.* 2021 Jul 1:106499.
39. Pocobelli, G., Akosile, M. A., Hansen, R. N., Eavey, J., **Wellman, R. D.**, Johnson, R. L., Carls, G., Bron, M., & Dublin, S. (2021). Obstructive sleep apnea and risk of motor vehicle accident. *Sleep medicine*, 85, 196–203.
40. Yeung K, Zhu W, McCurry SM, Von Korff M, **Wellman R**, Morin CM, Vitiello MV. Cost-effectiveness of telephone cognitive behavioral therapy for osteoarthritis-related insomnia. *J Am Geriatr Soc.* 2022 Jan;70(1):188-199.
41. McCurry SM, Zhu W, Von Korff M, **Wellman R**, Morin CM, Thakral M, Yeung K, Vitiello MV. Effect of Telephone Cognitive Behavioral Therapy for Insomnia in Older Adults With Osteoarthritis Pain: A Randomized Clinical Trial. *JAMA Intern Med.* 2021 Apr 1;181(4):530-538. doi: 10.1001/jamainternmed.2020.9049. PMID: 33616613; PMCID: PMC7900930.
42. Michael V Vitiello, Weiwei Zhu, Michael Von Korff, **Robert Wellman**, Charles M Morin, Kai Yeung, Susan M McCurry, Long-term improvements in sleep, pain, depression, and fatigue in older adults with comorbid osteoarthritis pain and insomnia, *Sleep*, Volume 45, Issue 2, February 2022, zsab231.
43. Coleman KJ, **Wellman R**, Fitzpatrick SL, Conroy MB, Hlavin C, Lewis KH, Coley RY, McTigue KM, Tobin JN, McBride CL, Desai JR, Clark JM, Toh S, Sturtevant JL, Horgan CE, Duke MC, Williams N, Anau J, Horberg MA, Michalsky MP, Cook AJ, Arterburn DE, Apovian CM; PCORnet Bariatric Study Collaborative. Comparative Safety and Effectiveness of Roux-en-Y Gastric Bypass and Sleeve Gastrectomy for Weight Loss and Type 2 Diabetes Across Race and Ethnicity in the PCORnet Bariatric Study Cohort. *JAMA Surg.* 2022 Oct 1;157(10):897-906.
44. Sherman KJ, **Wellman RD**, Jones SMW, and Lewis CC. Interest in Mindfulness Training for Chronic Low-Back Pain: Results from a Vignette-driven, Web-based Survey of Patients *Journal of Integrative and Complementary Medicine* 2022 28:6, 484-496.
45. Leah Tuzzio, **Robert D. Wellman**, Emilia H. De Marchis, Laura M. Gottlieb, Callie Walsh-Bailey, Salene M.W. Jones, Claudia L. Nau, John F. Steiner, Matthew P. Banegas, Adam L. Sharp, Alphonse Derus, Cara C. Lewis. Social Risk Factors and Desire for Assistance Among Patients Receiving Subsidized Health Care Insurance in a US-Based Integrated Delivery System/ *The Annals of Family Medicine* Mar 2022, 20 (2) 137-144.
46. Coughlin JW, Nauman E, **Wellman R**, Coley RY, McTigue KM, Coleman KJ, Jones DB, Lewis K, Tobin JN, Wee CC, Fitzpatrick SL, Desai JR, Murali S, Morrow EH, Rogers AM, Wood GC, Schlundt DG, Apovian CM, Duke MC, McClay JC, Soans R, Nemr R, Williams N, Courcoulas A, Holmes JH, Anau J, Toh S, Sturtevant JL, Horgan CE, Cook AJ, Arterburn DE; PCORnet Bariatric Study Collaborative. Preoperative Depression Status and Five Year

Metabolic and Bariatric Surgery Outcomes in the PCORnet Bariatric Study Cohort. *Ann Surg.* 2023 Apr 1;277(4):637-646.

47. Lewis CC, Jones SMW, **Wellman R**, Sharp AL, Gottlieb LM, Banegas MP, De Marchis E, Steiner JF. Social risks and social needs in a health insurance exchange sample: A longitudinal evaluation of utilization. *F pre-Health Serv Res.* 2022;22(1):1430.
48. DeBar LL, Justice M, Avins AL, Cook A, Eng CM, Herman PM, Hsu C, Nielsen A, Pressman A, Stone KL, Teets RY, **Wellman R**. Acupuncture for chronic low back pain in older adults: Design and protocol for the BackInAction pragmatic clinical trial. *Contemp Clin Trials.* 2023 May;128:107166.
49. Mahmud A, Cushing-Haugen K, **Wellman R**, Brown MC, Lewis CC. Understanding the Relationship Between Social Risk Factors and COVID-19 Contacts. *Perm J.* 2023 Jun 15;27(2):18-22.
50. Shortreed SM, Walker RL, Johnson E, **Wellman R**, Cruz M, Ziebell R, Coley RY, Yaseen ZS, Dharmarajan S, Penfold RB, Ahmedani BK, Rossom RC, Beck A, Boggs JM, Simon GE. Complex modeling with detailed temporal predictors does not improve health records-based suicide risk prediction. *NPJ Digit Med.* 2023;6(1):47.
51. Gray SL, Fornaro R, Turner J, Boudreau DM, **Wellman R**, Tannenbaum C, Marcum ZA, Balderson B, Cook A, Jacobsen AL, Phelan EA. Provider knowledge, beliefs, and self-efficacy to deprescribe opioids and sedative-hypnotics. *J Am Geriatr Soc.* 2023; 71(5):1580-1586.
52. Balderson BH, Gray SL, Fujii MM, Nakata KG, Williamson BD, Cook AJ, **Wellman R**, Theis MK, Lewis CC, Key D & Phelan EA. A health-system-embedded deprescribing intervention targeting patients and providers to prevent falls in older adults (STOP-FALLS trial): study protocol for a pragmatic cluster-randomized controlled trial. *Trials* 2023; 24(1):322.
53. Meagan C. Brown, Kara Cushing-Haugen, **Robert Wellman**, Caitlin N. Dorsey, Consuelo M.S. Norris, John L. Adams, John F. Steiner, Anand R. Shah, Cara C. Lewis, Intersectional Analysis of Social Risk and Need Among a Large Representative Sample of Adults from an Integrated Health System in the United States, *AJPM Focus*, 2024, 100283, ISSN 2773-0654.
54. Wolock CJ, Williamson BD, Shortreed SM, Simon GE, Coleman KJ, Yeargans R, Ahmedani BK, Daida Y, Lynch FL, Rossom RC, Ziebell RA, Cruz M, **Wellman RD**, Yates Coley R. Importance of variables from different time frames for predicting self-harm using health system data. *J Biomed Inform.* 2024 Nov 16:104750.
55. McTigue K, Courcoulas A, **Wellman R**, Tavakkoli A, Eavey J, Klawson E, Anau J, Garcia R, Stilwell D, Ahmed B, Fischer GS, Maier J, Paul K, Handley M, Saurabh S, Daigle C, Elwyn G, Arterburn D. Exploring patient perspectives on shared decision making about bariatric surgery in two healthcare systems. *Obes Sci Pract.* 2024 Nov 26;10(6):e779.

b) Accepted peer-reviewed research articles:

1. Mahmud, Wong, Lewis, Ornelas, **Wellman**, et al. Differences in health care utilization across two social health support modalities: results from a randomized pilot evaluation. *American Journal of Preventative Medicine* (Submitted 5/2024, R&R 11/2024).

c) Submitted manuscripts:

1. Simon, Gregory, **Wellman, Robert**, Shortreed, Susan, et al. Predicting and Differentiating Opioid and Non-opioid Drug Poisonings Using Health Records Data. *Journal of Studies on Alcohol and Drugs.* (Submitted 9/2024).
2. Cook, AJ, **Wellman, RD**, Tiwari, R, Russek-Cohen, E, Marsh, T. Estimating risk differences using large healthcare data networks for medical product postmarket safety

outcomes in a distributed data setting and allowing for active postmarket surveillance".
Statistics in Medicine (submitted 12/2024)

3. Morgan Justice, Annie Piccorelli, Andrew L. Avins, Andrea J. Cook, Carolyn M. Eng, Arya Nielsen, Alice Pressman, Katie L. Stone, Raymond Y. Teets, Robert Wellman, Lynn L. DeBar. Baseline Sample Characteristics: Pragmatic Trial of Acupuncture for Chronic Low Back Pain in Older Adults (BackInAction). Contemporary Clinical Trials (Submitted 12/24).

d) Manuscripts in draft:

1. Meagan C. Brown, Kara Cushing-Haugen, **Robert Wellman**, et al. Changes in health-related social risks and needs over time - Results from the Kaiser Permanente National Social Health Survey. Journal TBD.
2. **Robert D. Wellman**, Xu Shi, Yuexiang Peng, Jen Nelson, Andrea J. Cook. Simulating Realistic Time-to-Event Data Using Shareable Summary Statistics Collected that Protects Data Privacy. Target journals: Comput Stat Data Anal, BMC Med Res Methodol.
3. Simon, G, **Wellman, R**, Shortreed, S, Johnson, E, Sterling, S, Coleman, K, Yaseen, Z, Mosholder, A. Predicting and differentiating accidental and self-harm drug poisonings using health records data.

e) Non-peer-reviewed scholarly reports:

1. Cook, A.J., **Wellman, R.D.**, Tiwari, R.C., Li, L., Heckbert, S., Marsh, T., Heagerty, P., and Nelson, J.C. (2011) Mini-Sentinel Methods Development: Statistical approaches for group sequential monitoring of postmarketing safety surveillance data: Overview and simulation evaluation of methods applicable to the Mini-Sentinel surveillance project, FDA's Sentinel Initiative: Project Report.
2. Cook, A.J., **Wellman, R.D.**, Marsh, T., Tiwari, R.C., Nguyen, M.D., Russek-Cohen, E., Jiang, Z., and Nelson, J.C. (2012) Mini-Sentinel Methods Development: Statistical Methods for Estimating Causal Risk Differences in the Distributed Data Setting for Postmarket Safety Outcomes, FDA's Sentinel Initiative: Project Report.
3. Andrea J Cook, **Robert D Wellman**, Azadeh Shoaibi, Ram C Tiwari, Denise Boudreau, Sunali Gooneseker, Tracey L Marsh, and Jennifer C Nelson. Mini-Sentinel Methods Task Order Report: Demonstrate Feasibility of New Mini-Sentinel Group Sequential Monitoring Methods in a Distributed Setting by Implementing Them in Practice (2013), FDA's Sentinel Initiative: Project Report.
4. Andrea J Cook, PhD, **Robert D Wellman, MS**, Azadeh Shoaibi, PhD MHS, Ram C Tiwari, PhD, Susan R. Heckbert, MD, PhD, Lingling Li, PhD, Rima Izem, PhD, Rongmei Zhang, PhD, and Jennifer C Nelson, PhD (2014). Mini-Sentinel Methods Task Order Report: Safety Signaling Methods for Survival Outcomes to Control For Confounding In The MSDD.
5. Jennifer C. Nelson PhD, Denise Boudreau, PhD, RPh, **Robert Wellman MS**, Onchee Yu MS, Andrea J. Cook PhD, Judy Maro PhD, Rita Ouellet-Hellstrom PhD, MPH, James Floyd, MD, MS, Susan R. Heckbert MD, PhD, Simone Pinheiro, ScD MSc, Marsha Reichman, PhD, Azadeh Shoaibi, PhD (2015). Mini-Sentinel Methods: Improving Sequential Safety Surveillance Planning Methods for Routine Assessments That Use Regression Adjustment Or Weighting To Control Confounding.
6. Andrea J Cook, PhD^{1,2}, **Robert D Wellman, MS**, Rima Izem, PhD, Rongmei Zhang, PhD⁴, Michael Nguyen, MD, Ram C Tiwari, PhD, Susan R. Heckbert, MD, PhD, Susan Gruber, PhD, and Jennifer C Nelson, PhD. Mini-Sentinel Methods: Comparing Different Cox PH Confounder Adjustment Methods Including Direct Adjustment, Propensity Score Adjustment (Directly or Through Splines) And Propensity Score Stratification In The Setting Of Multiple Sites (Submitted October 2016).

7. Susan Gruber, Bruce Fireman, Jessica Franklin, Zilu Zhang, **Robert Wellman**, Jen Nelson. Performance of Different Propensity-Score-Based Methods in Simulated Cohort Studies with Time-to-event Outcomes. (Submitted to FDA for comments 10/2017).
8. Ellen O'Meara, Mary Akosile, **Robert Wellman**, Kay Theis, David Arterburn. Healthwise Shared Decision-Making Skills for Providers CME Evaluation at Kaiser Permanente Washington Final Report. (Submitted 6/2018).
9. Ryan N. Hansen, PharmD, PhD, Gaia S. Pocobelli, PhD, Joanna Eavey, MSPH, Mary A. Akosile, MPH, MS, **Robert D. Wellman, MS**, James R. Fraser, Sascha Dublin, MD, PhD. Obstructive Sleep Apnea and Risk of Motor Vehicle Accident Study Report. (Submitted to Jazz Pharmaceuticals 6/2019).

f) Posters, presentations and abstracts:

1. Presentation: Multiple Imputation with Marginal Structural Models for Estimating Causal Effects with Intermittent Missing Data in Observational Studies: The Effect of Breastfeeding on Disease Progression in HIV+ African Mothers.
 - December 2007 Kenya Research Group, Department of Medicine, University of Washington.
 - April 2007 Statistical Center for HIV/AIDS Research & Prevention (SCHARP).
2. Poster: Frederick Hecht, **Robert Wellman**, Michael Busch, Susan Little, Martin Markowitz, Ann Collier, Joseph Margolick, Philip Norris, Jean-Pierre Routy, Sarah Holte. Quantitative Results from HIV Antibody EIAs to Identify Persons in Early Post-Seroconversion Periods. 14th Conference on Retroviruses and Opportunistic Infections, February 2007, Poster #341.
3. Abstract: Cardiotoxic Chemotherapy Is Associated With Increased Heart Failure Risk Among Women With Breast Cancer In The Cancer Research Network. Erin Aiello Bowles, MPH, Group Health Cooperative; **Robert Wellman**, MS, Group Health Cooperative; Thomas Delate, PhD, Kaiser Permanente Colorado; Larry Allen, MD, Univeristy of Colorado, Denver; Heather Spencer Feigelson, PhD, Kaiser Permanente Colorado; Marianne Ulcickas Yood, PhD, Henry Ford Health System; Robert Davis, MD, Kaiser Permanente Georgia; Larissa Nekhlyudov, MD, Harvard Pilgrim Health Care; Catherine McCarty, PhD, Marshfield Clinic; Laurel Habel, PhD, Kaiser Permanente Northern California; David Magid, MD, Kaiser Permanente Colorado; Adedayo Onitilo, MD, Marshfield Clinic; Andrew Freedman, PhD, National Cancer Institute; Edward Wagner, MD, Group Health Cooperative. 17th Annual HMO Research Network Conference 2011, Abstract C-B2-01.
4. Abstract: Validity of HMO Administrative Data for Breast Cancer Chemotherapy Exposure. Thomas Delate, PhD, Kaiser Permanente Colorado; Erin Bowles, MPH, Group Health Cooperative; Roy Perdee, JD, Group Health Cooperative; **Robert Wellman**, MS, Group Health Cooperative; Laurel Habel, PhD, Kaiser Permanente Northern California; Marianne Yood, DSC, Henry Ford Health System; Larissa Nekhlyudov, MD, Harvard Pilgrim Healthcare Institute; Katrina Goddard, PhD, Kaiser Permanente Northwest; Robert Davis, MD, Kaiser Permanente Georgia; Catherine Mccarty, PhD, Marshfield Clinic; Adedayo Onitilo, MD, Marshfield Clinic; Heather Feigelson, PhD, Kaiser Permanente Colorado; Jared Freml, PharmD, Kaiser Permanente Colorado; Edward Wagner, MD, Group Health Cooperative. 17th Annual HMO Research Network Conference 2011, Abstract C-C1-02.
5. Presentation: MRI Data for Breast Cancer Screening, Breast Cancer Surveillance Consortium Annual Meetings, May 8, 2012.
6. Poster: KJ Sherman, AJ Cook, **RD Wellman**, RJ Hawkes, DC Cherkin. Optimal Dose of Massage for Chronic Neck Pain: A Randomized Trial. Odense International Forum XII, Primary Care Research on Back Pain. October 2012 Odense Denmark.

7. Abstract: A Telephone-Based Diabetes Prevention Program and Social Support for Weight Loss: the Call-2-Health Study. Sharon Fuller, Group Health Cooperative; Evette Ludman, Group Health Cooperative; Amy Mohelnitzky, Group Health Cooperative; Gabrielle Gundersen, Group Health Cooperative; **Rob Wellman**, Group Health Cooperative; Rob Reid, Group Health Cooperative; Katherine Newton, Group Health Cooperative. 18th Annual HMO Research Network Conference 2011, Abstract C2-01.
8. Abstract: Sherman KJ, Cook A, **Wellman R**, Kahn J, Cherkin D. Influence of the amount and duration of therapeutic massage for chronic neck pain on 12- and 26-week outcomes of pain and function. *J Altern Complement Med.* 2014; 20(5): A49-50.
9. Abstract: Ryan N. Hansen, PharmD, PhD; Gaia S. Pocobelli, PhD; Joanna Eavey, MSPH2; Mary A. Akosile, MPH, MS; **Robert D. Wellman**, MS; Ron L. Johnson, MA; Morgan Bron, PharmD, MS; Ginger Carls, PhD; Sascha Dublin, MD, PhD. Obstructive Sleep Apnea and Risk of Motor Vehicle Accident. American Thoracic Society 2020 (submitted).
10. Abstract: R. Fornaro, E. Phelan, J. Turner, R. Hawkes, D. Boudreau, **R. Wellman**, C. Tannenbaum, Z. Marcum, B. Balderson, A. Cook, S. Gray. Evaluating provider knowledge, barriers and self-efficacy: a focus on deprescribing sedative-hypnotics and opioids. American Geriatrics Society Annual Meeting 2020 (submitted)
11. Poster: R. Fornaro¹, E. Phelan¹, J. Turner, R. Hawkes, D. Boudreau, **R. Wellman**, C. Tannenbaum², Z. Marcum¹, B. Balderson³, A. Cook³, S. Gray Provider knowledge, barriers and self-efficacy to deprescribe sedative-hypnotics and opioids. ASCP 2020 (accepted)
12. Abstract: Ryan N. Hansen, PharmD, PhD; Gaia S. Pocobelli, PhD; Joanna Eavey, MSPH2; Mary A. Akosile, MPH, MS; **Robert D. Wellman**, MS; Ron L. Johnson, MA; Morgan Bron, PharmD, MS; Ginger Carls, PhD; Sascha Dublin, MD, PhD Obstructive Sleep Apnea and Risk of Motor Vehicle Accidents. Psych Congress 2020 (accepted).

8. PROFESSIONAL DEVELOPMENT COURSEWORK:

1. Causal Inference (Miguel Hernan, PhD, James Robins, PhD), 2010 Joint Statistical Meetings, Vancouver, British Columbia, Canada.
2. Bayesian Adaptive Methods for Clinical Trials (Bradley P. Carlin, University of Minnesota, Donald Arthur Berry, MD Anderson Cancer Center, Scott Berry, Berry Consultants, LLC, J. Jack Lee, MD Anderson Cancer Center), 2010 Joint Statistical Meetings, Vancouver, British Columbia, Canada.
3. Statistical Design of Sequential Clinical Trials in R (Scott Emerson, PhD, University of Washington, Daniel Gillen, PhD, University of California Irvine), Fourth Seattle Symposium in Biostatistics: Clinical Trials, November 20, 2010.
4. Data Simulation in SAS® for Evaluating Statistical Methods (Rick Wicklin, SAS), 2012 Joint Statistical Meetings, San Diego, CA.
5. Advanced R (Hadley Wickam), 2015 Joint Statistical Meetings, Seattle, WA.
6. Software Engineering for Statisticians, 2015 Joint Statistical Meetings, Seattle, WA.
7. Targeted Maximum Likelihood (Susan Gruber, PhD, Mark van der Laan, PhD), 3rd Symposium on Healthcare Data Analytics 2018, Seattle, WA.
8. Mediation Analysis (Tyler van der Woele), Statistical Horizons 2022.