

# AUGMENTED CURRICULUM VITAE

Robert Douglas Wellman

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Updated: January 2023

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## 1. BIOGRAPHICAL INFORMATION:

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Senior Collaborative Biostatistician  
Biostatistics Unit, Kaiser Permanente of Washington Health Research Institute  
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Seattle, WA 98101  
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## 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:

- 2/28/2020-present Senior Collaborative Biostatistician, Kaiser Permanente Washington, Seattle, WA.
- 3/01/2017-2/28/2020 Biostatistician II, Kaiser Permanente Washington, Seattle, WA.
- 3/01/2015-3/01/2017 Biostatistician II, Group Health Research Institute, Seattle, WA.
- 10/20/2009-2/28/2015 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:**

KPWHRI Institute Leadership Team Advisory Committee (2022)

KPWHRI Biostatistics Computing Committee (2021/2022)

KPWHIR Collaborative Biostatistician Search Committee (Fall 2021/2022)

UW Graduate Biostatisticians Career Panel (10/2020)

KPWHRI Collaborative Biostatistician Search Committee (Fall 2020)

KPWHRI Innovation Fund Study Section (12/2019)

KPWHRI Mentoring Award Committee (2018)

KPWHRI Scientific Advisory Committee Member (10/2017-10/2018)

KPWHRI Scientific Advisory Committee Co-Chair (10/2016-9/2017)

KPWHRI 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, Contemporary Clinical Trials (2020, 2022), Reviewer, Vaccine (2019, 2021), Observational Studies (2017), BMJ Open (2017, 2015, 2013), Journal of Biopharmaceutical Statistics (2017), Annals of Internal Medicine (2015, 2013)

## **10. RESEARCH FUNDING**

Not Applicable

## **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. [Epub ahead of print].
2. Daniel Cherkin, Karen Sherman, Janet Kahn, **Robert Wellman**, Andrea Cook, Eric Johnson, Janet Erro, Kristin Delaney, Richard Deyo. 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. Karen J. Sherman, Daniel C. Cherkin, **Robert D. Wellman**, Andrea J. Cook, Rene J. Hawkes, Kristin Delaney, Partap S. Khalsa, Richard A. Deyo. A Randomized Trial Comparing Yoga, Stretching, and a Self-care Book for Chronic Low Back Pain. *Archives of Internal Medicine*. October 24, 2011 [Epub ahead of print]
4. Frederick Hecht, **Robert Wellman**, Michael Busch, Susan Little, Martin Markowitz, Ann Collier, Joseph Margolick, Philip Norris, Jean-Pierre Routy, Sarah Holte. 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, A.J., **Wellman, R.D.**, Tiwari, R.C., Li, L., Heckbert, S., Marsh, T., Heagerty, P., and Nelson, J.C. (2012) 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* 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. T. Delate, E. J. A. Bowles, R. Pardee, **R. D. Wellman**, L. A. Habel, M. U. Yood, L. Nekhlyudov, K. A. Goddard, R. L. Davis, C. A. McCarty, A. A. Onitilo, H. S. Feigelson, J. Freml and E. Wagner. 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. J. D. Stekler, **R. Wellman**, S. Holte, J. Maenza, C. E. Stevens, L. Corey and A. C. Collier. 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. David Arterburn, **Robert D. Wellman**, Emily O. Westbrook, Carolyn Rutter, Tyler Ross, David McCulloch, Matt Handley, Charles Jung. 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. Karen J. Sherman, Andrea J. Cook, Janet R. Kahn, Rene J. Hawkes, **Robert D. Wellman** and Daniel C. Cherkin. 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. Karen J. Sherman, **Robert D. Wellman**, Andrea J. Cook, Daniel C. Cherkin, and Rachel M. Ceballos, "Mediators of Yoga and Stretching for Chronic Low Back Pain," *Evidence-Based Complementary and Alternative Medicine*, vol. 2013, Article ID 130818, 11 pages, 2013. doi:10.1155/2013/130818
14. Karen J. Sherman, Andrea J. Cook, **Robert D. Wellman**, Rene J. Hawkes, Janet R. Kahn, Richard A. Deyo, Daniel C. Cherkin. 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. Brian L. Sprague, Ronald E. Gangnon, Veronica Burt, Amy Trentham-Dietz, John M. Hampton, **Robert D. Wellman**, Karla Kerlikowske, and Diana L. Miglioretti. Prevalence of Mammographically Dense Breasts in the United States. *JNCI J Natl Cancer Inst* (2014) 106 (10).
16. Cook, A. J., **Wellman, R. D.**, Nelson, J. C., Jackson, L. A. and Tiwari, R. C. (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. doi: 10.1111/rssc.12076
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. Andrea J. Cook, **Robert D. Wellman**, Janet R. Kahn, Dan Cherkin and Karen J. Sherman. Positive benefits of additional massage treatments for chronic neck pain on 12 and 26 week outcomes. *The Spine Journal*, Volume 15, Issue 10, Pages A1-A14, e1-e80, 2117-2302 (1 October 2015).
19. C.Lehman, D.Miglioretti, **R.Wellman**, W.DeMartini, B.Yankaskas, D.Buist, L.Ichikawa, K.Kerlikowske, A.Tosteson. Diagnostic Accuracy of Digital Screening Mammography with and without Computer-aided Detection. *JAMA Intern Med.* 2015 Nov 1;175(11):1828-37. doi: 10.1001/jamainternmed.2015.5231
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. doi: 10.1002/cncr.29805.
21. James S. Floyd, **Robert Wellman**, Sharon Fuller, Nisha Bansal, Bruce M. Psaty, Ian H. de Boer, Delia Scholes. 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* Nov 7;11(11):1954-1961.
22. Nelson, Jennifer C.; **Wellman, Robert**; Yu, Onchee; Cook, Andrea J.; Maro, Judith C.; Ouellet-Hellstrom, Rita; Boudreau, Denise; Floyd, James S.; Heckbert, Susan R.; Pinheiro, Simone; Reichman, Marsha; and Shoaibi, Azadeh (2016) "A Synthesis of Current Surveillance Planning Methods for the Sequential Monitoring of Drug and Vaccine Adverse Effects Using Electronic Health Care Data," *eGEMs (Generating Evidence & Methods to improve patient outcomes)*: Vol. 4: Iss. 1, Article 17.
23. Dan Cherkin, PhD; Benjamin Balderson; Georgie Brewer; Andrea Cook; Katherine Talbert Estlin; Sarah C. Evers; Nadine E. Foster; Jonathan C. Hill; Rene Hawkes; Clarissa Hsu; Mark Jensen; Anne-Marie LaPorte; Martin D. Levine; Diane Piekara; Pam Rock; Karen

- Sherman; Gail Sowden; **Rob Wellman**; John Yeoman. 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;17(1):361.
24. Hill, D, Wellman, RD, Hubbard, R, Haas, J, Wernli, K, Onega, T. Breast Cancer Screening with Magnetic Resonance Imaging in Community Practice. *Journal of General Internal Medicine*: Mar;33(3):275-283.
  25. Sengwee Toh, Laura J Rasmussen-Torvik, Emily E Harmata, Roy Pardee, Rosalinde Saizan, Elisha Malanga, Jessica L Sturtevant, Casie E Horgan, Jane Anau, Cheri D Janning, **Robert D Wellman**, R Yates Coley, Andrea J Cook, Anita P Courcoulas, Karen J Coleman, Neely A Williams, Kathleen M McTigue, David Arterburn, and James McClay, 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*: 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 Apr 17.
  27. Dan Cherkin, PhD, Benjamin Balderson, PhD, **Rob Wellman, MS**, Clarissa Hsu, PhD, Karen J. Sherman, PhD, Sarah C. Evers, MPH, Rene Hawkes, BS, Andrea Cook, PhD, Martin D. Levine, MD, Diane Piekara, PT, Pam Rock, PT, Katherine Talbert Estlin, MD, Georgie Brewer, Patient Partner, Mark Jensen, Patient Partner, Anne-Marie LaPorte, Patient Partner, John Yeoman, Patient Partner, Gail Sowden, MSc, Jonathan C. Hill, PhD, Nadine E. Foster, DPhil. Effect of low back pain risk-stratification strategy on patient outcomes and care processes: The MATCH randomized trial. *Journal of General Internal Medicine* (published May 22, 2018).
  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. doi: 10.7326/M17-2786.
  29. Sengwee Toh, **Robert Wellman**, R. Yates Coley, Casie Horgan, Jessica Sturtevant, Erick Moynour, Cheri Janning, Roy Pardee, Karen J. Coleman, David Arterburn, Kathleen McTigue, Jane Anau, Andrea J. Cook, for the PCORnet Bariatric Study Collaborative. Combining distributed regression and propensity scores: A doubly privacy-protecting analytic method for multi-center research. *Clinical Epidemiology*. Accepted 10/2018.
  30. Andrea Cook, **Robert Wellman**, Azadeh Shoaibi, Denise Boudreau, Eric Weintraub, Lisa Jackson, Michael Nguyen, Tracey Marsh, Jennifer Clark Nelson. 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*. September 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. doi: 10.1002/sim.8410
33. Fireman, B., Gruber, S., Zhang, Z., **Wellman, R.**, Nelson, J. C., Franklin, J., Maro, J., Murray, C. R., 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 (Cambridge, Mass.)*, 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, C. C., **Wellman, R.**, Jones, S., Walsh-Bailey, C., Thompson, E., Derus, A., Paolino, A., Steiner, J., De Marchis, E. H., Gottlieb, L. M., & Sharp, A. L. (2020). Comparing the performance of two social risk screening tools in a vulnerable subpopulation. *Journal of family medicine and primary care*, 9(9), 5026–5034. [https://doi.org/10.4103/jfmpe.jfmpe\\_650\\_20](https://doi.org/10.4103/jfmpe.jfmpe_650_20).
  36. Courcoulas, Anita, Coley, R. Yates, Clark, Jeanne M., McBride, Corrigan L., Cirelli, Elizabeth, McTigue, Kathleen, Arterburn, David, Coleman, Karen J., **Wellman, Robert**, Anau, Jane, Toh, Sengwee, Janning, Cheri D., Cook, Andrea J., Williams, Neely, Sturtevant, Jessica L., Horgan, Casie, Tavakkoli, Ali 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. doi: 10.1016/j.cct.2021.106499.
  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. Advance online publication. <https://doi.org/10.1016/j.sleep.2021.07.019>.
  40. Kai Yeung, PharmD, PhD, Weiwei Zhu, MS, Susan M. McCurry, PhD, Michael Von Korff, ScD, **Robert Wellman, MS**, Charles M. Morin, PhD, Michael V. Vitiello, PhD. Cost-Effectiveness of Telephone Cognitive Behavioral Therapy for Osteoarthritis-Related Insomnia. *J Am Geriatr Soc* 2021 Oct 11. doi: 10.1111/jgs.17469. Online ahead of print.
  41. Vitiello MV, Zhu W, Von Korff M, Wellman R, Morin CM, Yeung K, McCurry SM. Short-term improvements in insomnia or pain predict long-term improvements in sleep, pain, depression, and fatigue in older adults with co-morbid osteoarthritis pain and insomnia. *Sleep.* 2021 Sep 13:zsab231. doi: 10.1093/sleep/zsab231
  42. 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 Feb 22:e209049. doi: 10.1001/jamainternmed.2020.9049.

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. doi: 10.1001/jamasurg.2022.3714. PMID: 36044239; PMCID: PMC9434478.
44. Karen J. Sherman, **Robert D. Wellman**, Salene M.W. Jones, and Cara C. Lewis. 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; DOI: 10.1370/afm.2774
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.* 2022 Jan 19. doi: 10.1097/SLA.0000000000005364.
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. *BMC Health Serv Res.* 2022;22(1):1430. doi: 10.1186/s12913-022-08740-6

**b) Accepted peer-reviewed research articles:**

1. 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* (Accepted Dec. 2022).

**c) 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<sup>1,2</sup>, **Robert D Wellman, MS**, Rima Izem, PhD, Rongmei Zhang, PhD<sup>4</sup>, 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).

**d) Submitted manuscripts:**

1. Susan M Shortreed PhD<sup>1,2</sup>, Rod L Walker MS<sup>1</sup>, Eric Johnson MS<sup>1</sup>, **Robert Wellman MS<sup>1</sup>**, Maricela Cruz PhD, Rebecca Ziebell BS, R Yates Coley PhD, Zimri S Yaseen MD, Sai Dharmarajan PhD, Robert B Penfold PhD, Brian K Ahmedani PhD, Rebecca C Rossom MD MS<sup>5</sup>, Arne Beck PhD, Jennifer M Boggs MSW PhD, Greg E Simon MD MPH. Nature revise and resubmit 2022.
2. Ammarah Mahmud, Cara Lewis, ..., **Robert Wellman**, et al. Understanding the relationship between social risk factors and COVID-19 contacts. The Permanente Journal revise and resubmit 2022.
3. DeBar, et al. Acupuncture for Chronic Low Back Pain in Older Adults: Design and Protocol for the BackInAction Pragmatic Clinical Trial. Contemporary Clinical Trials (Submitted 11/2022)
4. Cara C. Lewis, Meagan C. Brown, **Robert Wellman**, Kara Cushing-Haugen, Caitlin N. Dorsey, Consuelo Marin Norris, Matthew Swope, Maya Nadison, John Adams, John Steiner, Anand Shah. Social Health Disparities at the Intersection of Multiple Social Identities



Among a Large Representative Sample of Adults from an Integrated Health System in the United States. Target Journal: JAMA Network Open (submitted 10/2022).

**e) Manuscripts in draft:**

1. Cook, AJ, **Wellman, RD**, et al. Statistical methods for estimating risk differences in the distributed data setting for post market safety outcomes. Target Journal: Biostatistics.

**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, University 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. Fornaro<sup>1</sup>, E. Phelan<sup>1</sup>, J. Turner<sup>2</sup>, R. Hawkes<sup>3</sup>, D. Boudreau<sup>3</sup>, **R. Wellman**, C. Tannenbaum<sup>2</sup>, Z. Marcum<sup>1</sup>, B. Balderson<sup>3</sup>, A. Cook<sup>3</sup>, 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), 3<sup>rd</sup> Symposium on Healthcare Data Analytics 2018, Seattle, WA.
8. Mediation Analysis (Tyler van der Walle), *Statistical Horizons 2022*.