

ROD L. WALKER, M.S.

Curriculum Vitae

Updated November 2024

Kaiser Permanente Washington Health Research Institute
1730 Minor Avenue, Suite 1600
Seattle, WA 98101-1448
E-mail: Rod.L.Walker@kp.org

Educational Information

Dec 2007 Master of Science, Biostatistics
University of Washington, Seattle, WA
Master's Thesis: Self modeling regression with penalized splines for the
analysis of arterial pulse pressure waveforms

May 1999 Bachelor of Science, Mathematics
University of Texas at Dallas, Richardson, TX

Professional Positions

Dec 2023 – present Principal Collaborative Biostatistician
Kaiser Permanente Washington Health Research Institute, Seattle, WA

Apr 2018 – Dec 2023 Biostatistician III
Kaiser Permanente Washington Health Research Institute, Seattle, WA

Apr 2013 – Apr 2018 Biostatistician II
Kaiser Permanente Washington Health Research Institute, Seattle, WA

Oct 2007 – Apr 2013 Biostatistician I
Kaiser Permanente Washington Health Research Institute, Seattle, WA

Sep 2005 – Oct 2007 Research Assistant
Kaiser Permanente Washington Health Research Institute, Seattle, WA

Aug 2000 – Jun 2005 Upper School Mathematics Instructor
The Hockaday School, Dallas, TX

Professional Honors

2018 *Journal of the American Geriatrics Society* Editors' Choice Award winner
for manuscript: "Proton Pump Inhibitor Use and Dementia Risk:
Prospective Population-Based Study"

2018 *Pharmacoepidemiology and Drug Safety* Best Reviewer recognition

2005 John Killion Memorial Teaching Award, The Hockaday School

Memberships

2020 – 2024 Gerontological Society of America

2007 – 2024 American Statistical Association

Organizational Service

2022 – present	Member, ACT Proposals and Publications Committee
2024	Discussant for ACT Early Career Researchers group meeting
2024	Biostatistics career panel for Data Programming / IT divisional meeting
2018 – 2023	Member, Space and Facilities Committee
2021 – 2022	Member, Collaborative Scientist Search Committee
2018 – 2021	Member, Biostatistician Search Committees
2018	AppV software testing
2018	Public health career panel for high school students
2016 – 2017	Member, Equity Team
2016	Guest presenter for RSS group: statistical inference
2015	Presenter for KPWHRI Epi 101: basic biostatistics
2013 – 2015	Member, Biostatistician Search Committees

Other Professional Service

2017	Mathematics career panel for undergraduate students at Seattle University
2016 – 2017	Consulting on K-award for a faculty member in the Department of Pharmacy at the University of Washington
2015 – 2016	Consulting on Master's thesis for a student in the Department of Epidemiology at the University of Washington
2013	Consulting on PhD dissertation for a student in the School of Social Work at the University of Washington

Editorial Responsibilities

2023 – 2024	Reviewer, <i>Translational Psychiatry</i>
2020	Reviewer, <i>Health Informatics Journal</i>
2018	Reviewer, <i>Pharmacoepidemiology and Drug Safety</i>
2017 – 2018	Reviewer, <i>BMC Geriatrics</i>
2016 – 2017	Reviewer, <i>BMJ Open</i>
2014	Reviewer, <i>Cancer</i>
2013	Reviewer, AHRQ Multiple Chronic Conditions Network

Teaching and Mentoring Responsibilities

2022 – present	Mentoring committee member for Collaborative Scientist
2021 – present	Mentoring committee member for Collaborative Biostatistician
2020 – 2021	Mentoring committee member for Collaborative Biostatistician

Publications

Published papers in refereed journals

1. Lee CS, Ferguson AN, Gibbons LE, Walker R, Su YR, Krakauer C, et al. Eye Adult Changes in Thought (Eye ACT) Study: Design and Report on the Inaugural Cohort. *J Alzheimers Dis.* 2024;100(1):309-20. doi: 10.3233/JAD-240203. PubMed PMID: 38875039; PubMed Central PMCID: PMC11556780.
2. Harrington LB, Powers JD, Bayliss EA, Fortmann SP, Shortreed SM, Walker RL, et al. Current use of estrogen-containing oral contraceptives or hormone therapy and risk of COVID-19 infection and hospitalization: a population-based cohort study. *Am J Epidemiol.* 2024;193(10):1417-25. Epub 20240516. doi: 10.1093/aje/kwae066. PubMed PMID: 38751326.
3. Shortreed SM, Walker RL, Johnson E, Wellman R, Cruz M, Ziebell R, et al. Complex modeling with detailed temporal predictors does not improve health records-based suicide risk prediction. *NPJ Digit Med.* 2023;6(1):47. Epub 20230323. doi: 10.1038/s41746-023-00772-4. PubMed PMID: 36959268; PubMed Central PMCID: PMC10036475.
4. Shortreed SM, Gray R, Akosile MA, Walker RL, Fuller S, Temposky L, et al. Increased COVID-19 Infection Risk Drives Racial and Ethnic Disparities in Severe COVID-19 Outcomes. *J Racial Ethn Health Disparities.* 2023;10(1):149-59. Epub 20220124. doi: 10.1007/s40615-021-01205-2. PubMed PMID: 35072944; PubMed Central PMCID: PMC8785693.
5. Rasouli B, Chubak J, Floyd JS, Psaty BM, Nguyen M, Walker RL, et al. Combining high quality data with rigorous methods: emulation of a target trial using electronic health records and a nested case-control design. *BMJ.* 2023;383:e072346. Epub 20231228. doi: 10.1136/bmj-2022-072346. PubMed PMID: 38154827.
6. Power MC, Parthasarathy V, Gianattasio KZ, Walker RL, Crane PK, Larson EB, et al. Investigation of the association of military employment and Parkinson's disease with a validated Parkinson's disease case-finding strategy. *Brain Inj.* 2023;37(5):383-7. Epub 20221216. doi: 10.1080/02699052.2022.2158234. PubMed PMID: 36524738; PubMed Central PMCID: PMC10033361.
7. Power MC, Murphy AE, Gianattasio KZ, Zhang YI, Walker RL, Crane PK, et al. Association of Military Employment With Late-Life Cognitive Decline and Dementia: A Population-Based Prospective Cohort Study. *Mil Med.* 2023;188(5-6):e1132-e9. Epub 2021/10/10. doi: 10.1093/milmed/usab413. PubMed PMID: 34626181; PubMed Central PMCID: PMC10390078.
8. Lee CS, Krakauer C, Su YR, Walker RL, Blazes M, McCurry SM, et al. Diabetic Retinopathy and Dementia Association, Beyond Diabetes Severity. *Am J Ophthalmol.* 2023;249:90-8. Epub 20221210. doi: 10.1016/j.ajo.2022.12.003. PubMed PMID: 36513155; PubMed Central PMCID: PMC10106379.

9. Gibbons LE, Power MC, Walker RL, Kumar RG, Murphy A, Latimer CS, et al. Association of Traumatic Brain Injury with Late Life Neuropathological Outcomes in a Community-Based Cohort. *J Alzheimers Dis.* 2023;93(3):949-61. doi: 10.3233/JAD-221224. PubMed PMID: 37125552; PubMed Central PMCID: PMC10860614.
10. Floyd JS, Walker RL, Kuntz JL, Shortreed SM, Fortmann SP, Bayliss EA, et al. Association Between Diabetes Severity and Risks of COVID-19 Infection and Outcomes. *J Gen Intern Med.* 2023;38(6):1484-92. Epub 20230216. doi: 10.1007/s11606-023-08076-9. PubMed PMID: 36795328; PubMed Central PMCID: PMC9933797.
11. Wingood M, Bonnell L, LaCroix AZ, Rosenberg D, Walker R, Bellettiere J, et al. Community-Dwelling Older Adults and Physical Activity Recommendations: Patterns of Aerobic, Strengthening, and Balance Activities. *J Aging Phys Act.* 2022;30(4):653-65. Epub 20211015. doi: 10.1123/japa.2021-0194. PubMed PMID: 34653962; PubMed Central PMCID: PMC9010480.
12. Hyde ET, Nguyen S, Tuz-Zahra F, Moore CC, Greenwood-Hickman MA, Walker RL, et al. Agreement of Step-Based Metrics From ActiGraph and ActivPAL Accelerometers Worn Concurrently Among Older Adults. *J Meas Phys Behav.* 2022;5(4):242-51. Epub 20221011. doi: 10.1123/jmpb.2022-0001. PubMed PMID: 36816711; PubMed Central PMCID: PMC9934009.
13. Hart LA, Walker R, Phelan EA, Marcum ZA, Schwartz NRM, Crane PK, et al. Change in central nervous system-active medication use following fall-related injury in older adults. *J Am Geriatr Soc.* 2022;70(1):168-77. Epub 20211019. doi: 10.1111/jgs.17508. PubMed PMID: 34668191; PubMed Central PMCID: PMC8742750.
14. Greenwood-Hickman MA, Walker R, Bellettiere J, LaCroix AZ, Kim B, Wing D, et al. Associations Between Perceived Neighborhood Walkability and Device-Based Physical Activity and Sedentary Behavior Patterns in Older Adults. *J Aging Phys Act.* 2022;30(1):98-106. Epub 20210813. doi: 10.1123/japa.2020-0387. PubMed PMID: 34388701; PubMed Central PMCID: PMC8843243.
15. Cruz M, Shortreed SM, Richards JE, Coley RY, Yarborough BJ, Walker RL, et al. Machine Learning Prediction of Suicide Risk Does Not Identify Patients Without Traditional Risk Factors. *The Journal of clinical psychiatry.* 2022;83(5). Epub 20220831. doi: 10.4088/JCP.21m14178. PubMed PMID: 36044603; PubMed Central PMCID: PMC10270326.
16. Zhou J, Walker RL, Gray SL, Marcum ZA, Barthold D, Bowen JD, et al. Glucose-Dementia Association Is Consistent Over Blood Pressure/Antihypertensive Groups. *J Alzheimers Dis.* 2021;80(1):79-90. doi: 10.3233/JAD-201138. PubMed PMID: 33554906.
17. Zaslavsky O, Yu O, Walker RL, Crane PK, Gray SL, Sadak T, et al. Incident Dementia, Glycated Hemoglobin (HbA1c) Levels, and Potentially Preventable Hospitalizations in People Aged 65 and Older With Diabetes. *J Gerontol A Biol Sci Med Sci.* 2021;76(11):2054-61. Epub 2021/04/30. doi: 10.1093/gerona/glab119. PubMed PMID: 33914085; PubMed Central PMCID: PMC8514059.

18. Walker RL, Shortreed SM, Ziebell RA, Johnson E, Boggs JM, Lynch FL, et al. Evaluation of Electronic Health Record-Based Suicide Risk Prediction Models on Contemporary Data. *Appl Clin Inform.* 2021;12(4):778-87. Epub 20210818. doi: 10.1055/s-0041-1733908. PubMed PMID: 34407559; PubMed Central PMCID: PMC8373461.
19. Walker RL, Greenwood-Hickman MA, Bellettiere J, LaCroix AZ, Wing D, Higgins M, et al. Associations between physical function and device-based measures of physical activity and sedentary behavior patterns in older adults: moving beyond moderate-to-vigorous intensity physical activity. *BMC Geriatr.* 2021;21(1):216. Epub 20210331. doi: 10.1186/s12877-021-02163-4. PubMed PMID: 33789584; PubMed Central PMCID: PMC8011072.
20. Tabio L, Walker RL, Crane PK, Gibbons LE, Kumar RG, Power MC, et al. Association of Lifetime TBI and Military Employment with Late Life ADL Functioning: A Population-Based Prospective Cohort Study. *Arch Phys Med Rehabil.* 2021;102(12):2316-24 e1. Epub 20210718. doi: 10.1016/j.apmr.2021.06.018. PubMed PMID: 34283993.
21. Postupna N, Rose SE, Gibbons LE, Coleman NM, Hellstern LL, Ritchie K, et al. The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. *Front Neurol.* 2021;12:624696. Epub 20210316. doi: 10.3389/fneur.2021.624696. PubMed PMID: 33796061; PubMed Central PMCID: PMC8008107.
22. Kumar RG, Jayasinghe N, Walker RL, Gibbons LE, Power MC, Larson EB, et al. Association of remote traumatic brain injury and military employment with late-life trajectories of depressive symptom severity. *J Affect Disord.* 2021;281:376-83. Epub 20201205. doi: 10.1016/j.jad.2020.12.003. PubMed PMID: 33348181; PubMed Central PMCID: PMC8887889.
23. Dublin S, Walker RL, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, et al. Renin-Angiotensin-Aldosterone System Inhibitors and COVID-19 Infection or Hospitalization: A Cohort Study. *Am J Hypertens.* 2021;34(4):339-47. doi: 10.1093/ajh/hpaa168. PubMed PMID: 33048112; PubMed Central PMCID: PMC7665332.
24. Coley RY, Walker RL, Cruz M, Simon GE, Shortreed SM. Clinical risk prediction models and informative cluster size: Assessing the performance of a suicide risk prediction algorithm. *Biom J.* 2021;63(7):1375-88. Epub 20210524. doi: 10.1002/bimj.202000199. PubMed PMID: 34031916; PubMed Central PMCID: PMC9134927.
25. Bellettiere J, Tuz-Zahra F, Carlson JA, Ridgers ND, Liles S, Greenwood-Hickman MA, et al. Agreement of sedentary behaviour metrics derived from hip-worn and thigh-worn accelerometers among older adults: with implications for studying physical and cognitive health. *J Meas Phys Behav.* 2021;4(1):79-88. Epub 20210216. doi: 10.1123/jmpb.2020-0036. PubMed PMID: 34708190; PubMed Central PMCID: PMC8547742.
26. Zaslavsky O, Walker RL, Crane PK, Gray SL, Larson EB. Glucose control and cognitive and physical function in adults 80+ years of age with diabetes. *Alzheimers Dement (N Y).* 2020;6(1):e12058. Epub 20200813. doi: 10.1002/trc2.12058. PubMed PMID: 32802933; PubMed Central PMCID: PMC7424264.
27. Rosenberg D, Walker R, Greenwood-Hickman MA, Bellettiere J, Xiang Y, Richmire K, et al.

Device-assessed physical activity and sedentary behavior in a community-based cohort of older adults. *BMC Public Health*. 2020;20(1):1256. Epub 20200818. doi: 10.1186/s12889-020-09330-z. PubMed PMID: 32811454; PubMed Central PMCID: PMC7436994.

28. Gray SL, Marcum ZA, Dublin S, Walker R, Golchin N, Rosenberg DE, et al. Association Between Medications Acting on the Central Nervous System and Fall-Related Injuries in Community-Dwelling Older Adults: A New User Cohort Study. *J Gerontol A Biol Sci Med Sci*. 2020;75(5):1003-9. doi: 10.1093/gerona/glz270. PubMed PMID: 31755896; PubMed Central PMCID: PMC7164522.
29. Chen L, Shortreed SM, Easterling T, Cheetham TC, Reynolds K, Avalos LA, et al. Identifying hypertension in pregnancy using electronic medical records: The importance of blood pressure values. *Pregnancy Hypertens*. 2020;19:112-8. Epub 20200103. doi: 10.1016/j.preghy.2020.01.001. PubMed PMID: 31954339; PubMed Central PMCID: PMC7096129.
30. Barnes DE, Zhou J, Walker RL, Larson EB, Lee SJ, Boscardin WJ, et al. Development and Validation of eRADAR: A Tool Using EHR Data to Detect Unrecognized Dementia. *J Am Geriatr Soc*. 2020;68(1):103-11. Epub 20191014. doi: 10.1111/jgs.16182. PubMed PMID: 31612463; PubMed Central PMCID: PMC7094818.
31. Von Korff M, Saunders K, Dublin S, Walker RL, Thakral M, Sherman KJ, et al. Impact of Chronic Opioid Therapy Risk Reduction Initiatives on Opioid Overdose. *J Pain*. 2019;20(1):108-17. Epub 20180903. doi: 10.1016/j.jpain.2018.08.003. PubMed PMID: 30189248.
32. Marcum ZA, Walker RL, Jones BL, Ramaprasan A, Gray SL, Dublin S, et al. Patterns of antihypertensive and statin adherence prior to dementia: findings from the adult changes in thought study. *BMC Geriatr*. 2019;19(1):41. Epub 20190214. doi: 10.1186/s12877-019-1058-6. PubMed PMID: 30764775; PubMed Central PMCID: PMC6376744.
33. Hart LA, Marcum ZA, Gray SL, Walker RL, Crane PK, Larson EB. The Association Between Central Nervous System-Active Medication Use and Fall-Related Injury in Community-Dwelling Older Adults with Dementia. *Pharmacotherapy*. 2019;39(5):530-43. Epub 20190408. doi: 10.1002/phar.2244. PubMed PMID: 30861179; PubMed Central PMCID: PMC6983303.
34. Dublin S, Walker RL, Shortreed SM, Ludman EJ, Sherman KJ, Hansen RN, et al. Impact of initiatives to reduce prescription opioid risks on medically attended injuries in people using chronic opioid therapy. *Pharmacoepidemiol Drug Saf*. 2019;28(1):90-6. Epub 20181030. doi: 10.1002/pds.4678. PubMed PMID: 30375121.
35. Aiello Bowles EJ, Crane PK, Walker RL, Chubak J, LaCroix AZ, Anderson ML, et al. Cognitive Resilience to Alzheimer's Disease Pathology in the Human Brain. *J Alzheimers Dis*. 2019;68(3):1071-83. doi: 10.3233/JAD-180942. PubMed PMID: 30909217; PubMed Central PMCID: PMC8357030.
36. Thakral M, Walker RL, Saunders K, Shortreed SM, Parchman M, Hansen RN, et al. Comparing Pain and Depressive Symptoms of Chronic Opioid Therapy Patients Receiving

- Dose Reduction and Risk Mitigation Initiatives With Usual Care. *J Pain*. 2018;19(1):111-20. Epub 20171013. doi: 10.1016/j.jpain.2017.09.006. PubMed PMID: 29038060.
37. Thakral M, Walker RL, Saunders K, Shortreed SM, Dublin S, Parchman M, et al. Impact of Opioid Dose Reduction and Risk Mitigation Initiatives on Chronic Opioid Therapy Patients at Higher Risk for Opioid-Related Adverse Outcomes. *Pain Med*. 2018;19(12):2450-8. doi: 10.1093/pm/pnx293. PubMed PMID: 29220525; PubMed Central PMCID: PMC6294398.
 38. Sherman KJ, Walker RL, Saunders K, Shortreed SM, Parchman M, Hansen RN, et al. Doctor-Patient Trust Among Chronic Pain Patients on Chronic Opioid Therapy after Opioid Risk Reduction Initiatives: A Survey. *J Am Board Fam Med*. 2018;31(4):578-87. doi: 10.3122/jabfm.2018.04.180021. PubMed PMID: 29986984.
 39. Reed SC, Walker R, Ziebell R, Rabin B, Nutt S, Chubak J, et al. Cancer Survivors' Reported Discussions with Health Care Providers About Follow-Up Care and Receipt of Written Care Plans. *J Cancer Educ*. 2018;33(6):1181-8. doi: 10.1007/s13187-017-1228-1. PubMed PMID: 28480500.
 40. Marcum ZA, Walker R, Bobb JF, Sin MK, Gray SL, Bowen JD, et al. Serum Cholesterol and Incident Alzheimer's Disease: Findings from the Adult Changes in Thought Study. *J Am Geriatr Soc*. 2018;66(12):2344-52. Epub 20181005. doi: 10.1111/jgs.15581. PubMed PMID: 30289959; PubMed Central PMCID: PMC6289681.
 41. Lee SJ, Larson EB, Dublin S, Walker R, Marcum Z, Barnes D. A Cohort Study of Healthcare Utilization in Older Adults with Undiagnosed Dementia. *J Gen Intern Med*. 2018;33(1):13-5. doi: 10.1007/s11606-017-4162-3. PubMed PMID: 28849435; PubMed Central PMCID: PMC5756157.
 42. Jones SMW, Walker R, Fujii M, Nekhlyudov L, Rabin BA, Chubak J. Financial difficulty, worry about affording care, and benefit finding in long-term survivors of cancer. *Psychooncology*. 2018;27(4):1320-6. Epub 20180308. doi: 10.1002/pon.4677. PubMed PMID: 29462511.
 43. Harding BN, Weiss NS, Walker RL, Larson EB, Dublin S. Proton pump inhibitor use and the risk of fractures among an older adult cohort. *Pharmacoepidemiol Drug Saf*. 2018;27(6):596-603. Epub 20180228. doi: 10.1002/pds.4406. PubMed PMID: 29493043; PubMed Central PMCID: PMC5984154.
 44. Gray SL, Walker RL, Dublin S, Yu O, Aiello Bowles EJ, Anderson ML, et al. Proton Pump Inhibitor Use and Dementia Risk: Prospective Population-Based Study. *J Am Geriatr Soc*. 2018;66(2):247-53. Epub 20171114. doi: 10.1111/jgs.15073. PubMed PMID: 29134629; PubMed Central PMCID: PMC5809315.
 45. Gray SL, Anderson ML, Hanlon JT, Dublin S, Walker RL, Hubbard RA, et al. Exposure to Strong Anticholinergic Medications and Dementia-Related Neuropathology in a Community-Based Autopsy Cohort. *J Alzheimers Dis*. 2018;65(2):607-16. doi: 10.3233/JAD-171174. PubMed PMID: 30056417; PubMed Central PMCID: PMC6154381.
 46. Flanagan ME, Larson EB, Walker RL, Keene CD, Postupna N, Cholerton B, et al.

Associations between Use of Specific Analgesics and Concentrations of Amyloid-beta 42 or Phospho-Tau in Regions of Human Cerebral Cortex. *J Alzheimers Dis.* 2018;61(2):653-62. doi: 10.3233/JAD-170414. PubMed PMID: 29226863; PubMed Central PMCID: PMC5745256.

47. Wang L, Hubbard RA, Walker RL, Lee EB, Larson EB, Crane PK. Assessing robustness of hazard ratio estimates to outcome misclassification in longitudinal panel studies with application to Alzheimer's disease. *PLoS One.* 2017;12(12):e0190107. Epub 20171222. doi: 10.1371/journal.pone.0190107. PubMed PMID: 29272296; PubMed Central PMCID: PMC5741229.
48. Von Korff M, Walker RL, Saunders K, Shortreed SM, Thakral M, Parchman M, et al. Prevalence of prescription opioid use disorder among chronic opioid therapy patients after health plan opioid dose and risk reduction initiatives. *Int J Drug Policy.* 2017;46:90-8. Epub 20170627. doi: 10.1016/j.drugpo.2017.05.053. PubMed PMID: 28666143.
49. Jones SM, Ziebell R, Walker R, Nekhlyudov L, Rabin BA, Nutt S, et al. Association of worry about cancer to benefit finding and functioning in long-term cancer survivors. *Support Care Cancer.* 2017;25(5):1417-22. Epub 20161215. doi: 10.1007/s00520-016-3537-z. PubMed PMID: 27981365.
50. Hansen RN, Walker RL, Shortreed SM, Dublin S, Saunders K, Ludman EJ, et al. Impact of an opioid risk reduction initiative on motor vehicle crash risk among chronic opioid therapy patients. *Pharmacoepidemiol Drug Saf.* 2017;26(1):47-55. Epub 20161114. doi: 10.1002/pds.4130. PubMed PMID: 27862597.
51. Dublin S, Walker RL, Gray SL, Hubbard RA, Anderson ML, Yu O, et al. Use of Analgesics (Opioids and Nonsteroidal Anti-Inflammatory Drugs) and Dementia-Related Neuropathology in a Community-Based Autopsy Cohort. *J Alzheimers Dis.* 2017;58(2):435-48. Epub 2017/04/30. doi: 10.3233/JAD-160374. PubMed PMID: 28453469; PubMed Central PMCID: PMC5594560.
52. Bowles EJA, Walker RL, Anderson ML, Dublin S, Crane PK, Larson EB. Risk of Alzheimer's disease or dementia following a cancer diagnosis. *PLoS One.* 2017;12(6):e0179857. Epub 20170620. doi: 10.1371/journal.pone.0179857. PubMed PMID: 28632787; PubMed Central PMCID: PMC5478144.
53. Zaslavsky O, Walker RL, Crane PK, Gray SL, Larson EB. Glucose Levels and Risk of Frailty. *J Gerontol A Biol Sci Med Sci.* 2016;71(9):1223-9. Epub 20160301. doi: 10.1093/gerona/glw024. PubMed PMID: 26933160; PubMed Central PMCID: PMC4978362.
54. Von Korff M, Dublin S, Walker RL, Parchman M, Shortreed SM, Hansen RN, et al. The Impact of Opioid Risk Reduction Initiatives on High-Dose Opioid Prescribing for Patients on Chronic Opioid Therapy. *J Pain.* 2016;17(1):101-10. Epub 20151022. doi: 10.1016/j.jpain.2015.10.002. PubMed PMID: 26476264; PubMed Central PMCID: PMC4698093.
55. Onega T, Goldman LE, Walker RL, Miglioretti DL, Buist DS, Taplin S, et al. Facility

- Mammography Volume in Relation to Breast Cancer Screening Outcomes. *J Med Screen*. 2016;23(1):31-7. Epub 20150811. doi: 10.1177/0969141315595254. PubMed PMID: 26265482.
56. Nekhlyudov L, Walker R, Ziebell R, Rabin B, Nutt S, Chubak J. Cancer survivors' experiences with insurance, finances, and employment: results from a multisite study. *J Cancer Surviv*. 2016;10(6):1104-11. Epub 20160609. doi: 10.1007/s11764-016-0554-3. PubMed PMID: 27277896.
 57. Jones SM, Ziebell R, Walker R, Nekhlyudov L, Rabin BA, Nutt S, et al. Psychometric investigation of benefit finding among long-term cancer survivors using the Medical Expenditure Panel Survey. *Eur J Oncol Nurs*. 2016;20:31-5. Epub 20150726. doi: 10.1016/j.ejon.2015.07.005. PubMed PMID: 26220893; PubMed Central PMCID: PMC4706808.
 58. Jackson ML, Walker R, Lee S, Larson E, Dublin S. Predicting 2-Year Risk of Developing Pneumonia in Older Adults without Dementia. *J Am Geriatr Soc*. 2016;64(7):1439-47. Epub 2016/07/13. doi: 10.1111/jgs.14228. PubMed PMID: 27401847; PubMed Central PMCID: PMC4943660.
 59. Gray SL, Dublin S, Yu O, Walker R, Anderson M, Hubbard RA, et al. Benzodiazepine use and risk of incident dementia or cognitive decline: prospective population based study. *BMJ*. 2016;352:i90. Epub 20160202. doi: 10.1136/bmj.i90. PubMed PMID: 26837813; PubMed Central PMCID: PMC4737849.
 60. Crane PK, Walker RL, Sonnen J, Gibbons LE, Melrose R, Hassenstab J, et al. Glucose levels during life and neuropathologic findings at autopsy among people never treated for diabetes. *Neurobiol Aging*. 2016;48:72-82. Epub 20160801. doi: 10.1016/j.neurobiolaging.2016.07.021. PubMed PMID: 27644076; PubMed Central PMCID: PMC5441884.
 61. Chatterjee S, Peters SA, Woodward M, Mejia Arango S, Batty GD, Beckett N, et al. Type 2 Diabetes as a Risk Factor for Dementia in Women Compared With Men: A Pooled Analysis of 2.3 Million People Comprising More Than 100,000 Cases of Dementia. *Diabetes Care*. 2016;39(2):300-7. Epub 20151217. doi: 10.2337/dc15-1588. PubMed PMID: 26681727; PubMed Central PMCID: PMC4722942.
 62. Aiello Bowles EJ, Larson EB, Pong RP, Walker RL, Anderson ML, Yu O, et al. Anesthesia Exposure and Risk of Dementia and Alzheimer's Disease: A Prospective Study. *J Am Geriatr Soc*. 2016;64(3):602-7. Epub 20160211. doi: 10.1111/jgs.14024. PubMed PMID: 26865152; PubMed Central PMCID: PMC4803643.
 63. Paul KJ, Walker RL, Dublin S. Anticholinergic medications and risk of community-acquired pneumonia in elderly adults: a population-based case-control study. *J Am Geriatr Soc*. 2015;63(3):476-85. Epub 20150302. doi: 10.1111/jgs.13327. PubMed PMID: 25726764.
 64. Gray SL, Anderson ML, Dublin S, Hanlon JT, Hubbard R, Walker R, et al. Cumulative use of strong anticholinergics and incident dementia: a prospective cohort study. *JAMA Intern Med*. 2015;175(3):401-7. Epub 2015/01/27. doi: 10.1001/jamainternmed.2014.7663.

PubMed PMID: 25621434; PubMed Central PMCID: PMC4358759.

65. Dublin S, Walker RL, Gray SL, Hubbard RA, Anderson ML, Yu O, et al. Prescription Opioids and Risk of Dementia or Cognitive Decline: A Prospective Cohort Study. *J Am Geriatr Soc.* 2015;63(8):1519-26. Epub 2015/08/21. doi: 10.1111/jgs.13562. PubMed PMID: 26289681; PubMed Central PMCID: PMC4776316.
66. Dublin S, Johnson KE, Walker RL, Avalos LA, Andrade SE, Beaton SJ, et al. Trends in elective labor induction for six United States health plans, 2001-2007. *J Womens Health (Larchmt).* 2014;23(11):904-11. Epub 20141020. doi: 10.1089/jwh.2014.4779. PubMed PMID: 25330378; PubMed Central PMCID: PMC4235981.
67. Goldman LE, Walker R, Hubbard R, Kerlikowske K, Breast Cancer Surveillance C. Timeliness of abnormal screening and diagnostic mammography follow-up at facilities serving vulnerable women. *Med Care.* 2013;51(4):307-14. Epub 2013/01/30. doi: 10.1097/MLR.0b013e318280f04c. PubMed PMID: 23358386; PubMed Central PMCID: PMC3966312.
68. Dublin S, Baldwin E, Walker RL, Christensen LM, Haug PJ, Jackson ML, et al. Natural Language Processing to identify pneumonia from radiology reports. *Pharmacoepidemiol Drug Saf.* 2013;22(8):834-41. Epub 20130401. doi: 10.1002/pds.3418. PubMed PMID: 23554109; PubMed Central PMCID: PMC3811072.
69. Crane PK, Walker R, Hubbard RA, Li G, Nathan DM, Zheng H, et al. Glucose levels and risk of dementia. *N Engl J Med.* 2013;369(6):540-8. Epub 2013/08/09. doi: 10.1056/NEJMoa1215740. PubMed PMID: 23924004; PubMed Central PMCID: PMC3955123.
70. O'Hare AM, Walker R, Haneuse S, Crane PK, McCormick WC, Bowen JD, et al. Relationship between longitudinal measures of renal function and onset of dementia in a community cohort of older adults. *J Am Geriatr Soc.* 2012;60(12):2215-22. Epub 2012/12/13. doi: 10.1111/j.1532-5415.2012.04238.x. PubMed PMID: 23231548; PubMed Central PMCID: PMC3531894.
71. Goldman LE, Walker R, Miglioretti DL, Smith-Bindman R, Kerlikowske AK, Breast Cancer Surveillance C. Facility characteristics do not explain higher false-positive rates in diagnostic mammography at facilities serving vulnerable women. *Med Care.* 2012;50(3):210-6. Epub 2011/12/22. doi: 10.1097/MLR.0b013e3182407c8a. PubMed PMID: 22186768; PubMed Central PMCID: PMC3422679.
72. Dublin S, Walker RL, Jackson ML, Nelson JC, Weiss NS, Jackson LA. Angiotensin-converting enzyme inhibitor use and pneumonia risk in community-dwelling older adults: results from a population-based case-control study. *Pharmacoepidemiol Drug Saf.* 2012;21(11):1173-82. Epub 20120905. doi: 10.1002/pds.3340. PubMed PMID: 22949094; PubMed Central PMCID: PMC3740964.
73. Buist DS, Walker R, Bowles EJ, Carney PA, Taplin SH, Onega T, et al. Screening mammography use among current, former, and never hormone therapy users may not explain recent declines in breast cancer incidence. *Cancer Epidemiol Biomarkers Prev.*

2012;21(5):720-7. Epub 20120201. doi: 10.1158/1055-9965.EPI-11-1115. PubMed PMID: 22301831; PubMed Central PMCID: PMC3348383.

74. Miglioretti DL, Walker R, Weaver DL, Buist DS, Taplin SH, Carney PA, et al. Accuracy of screening mammography varies by week of menstrual cycle. *Radiology*. 2011;258(2):372-9. Epub 20101203. doi: 10.1148/radiol.10100974. PubMed PMID: 21131584; PubMed Central PMCID: PMC3029886.
75. Kapp JM, Walker R, Haneuse S, Yankaskas BC. A prospective assessment of racial/ethnic differences in future mammography behavior among women who had early mammography. *Cancer Epidemiol Biomarkers Prev*. 2011;20(4):600-8. Epub 20110117. doi: 10.1158/1055-9965.EPI-10-1070. PubMed PMID: 21242330; PubMed Central PMCID: PMC3070038.
76. Gray SL, Walker R, Dublin S, Haneuse S, Crane PK, Breitner JC, et al. Histamine-2 receptor antagonist use and incident dementia in an older cohort. *J Am Geriatr Soc*. 2011;59(2):251-7. Epub 2011/02/15. doi: 10.1111/j.1532-5415.2010.03275.x. PubMed PMID: 21314645; PubMed Central PMCID: PMC3115775.
77. Goldman LE, Walker R, Miglioretti DL, Smith-Bindman R, Kerlikowske K, National Cancer Institute Breast Cancer Surveillance C. Accuracy of diagnostic mammography at facilities serving vulnerable women. *Med Care*. 2011;49(1):67-75. Epub 2010/10/23. doi: 10.1097/MLR.0b013e3181f380e0. PubMed PMID: 20966780; PubMed Central PMCID: PMC3689881.
78. Dublin S, Walker RL, Jackson ML, Nelson JC, Weiss NS, Von Korff M, et al. Use of opioids or benzodiazepines and risk of pneumonia in older adults: a population-based case-control study. *J Am Geriatr Soc*. 2011;59(10):1899-907. Epub 20110913. doi: 10.1111/j.1532-5415.2011.03586.x. PubMed PMID: 22091503; PubMed Central PMCID: PMC3223721.
79. Sonnen JA, Larson EB, Walker RL, Haneuse S, Crane PK, Gray SL, et al. Nonsteroidal anti-inflammatory drugs are associated with increased neuritic plaques. *Neurology*. 2010;75(13):1203-10. Epub 20100901. doi: 10.1212/WNL.0b013e3181f52db1. PubMed PMID: 20811000; PubMed Central PMCID: PMC3013492.
80. Kapp JM, Walker R, Haneuse S, Buist DS, Yankaskas BC. Are there racial/ethnic disparities among women younger than 40 undergoing mammography? *Breast Cancer Res Treat*. 2010;124(1):213-22. Epub 20100304. doi: 10.1007/s10549-010-0812-4. PubMed PMID: 20204501; PubMed Central PMCID: PMC2927744.
81. Farhat GN, Walker R, Buist DS, Onega T, Kerlikowske K. Changes in invasive breast cancer and ductal carcinoma in situ rates in relation to the decline in hormone therapy use. *J Clin Oncol*. 2010;28(35):5140-6. Epub 20101108. doi: 10.1200/JCO.2010.29.5121. PubMed PMID: 21060026; PubMed Central PMCID: PMC3020688.
82. Dublin S, Walker RL, Jackson ML, Nelson JC, Weiss NS, Jackson LA. Use of proton pump inhibitors and H2 blockers and risk of pneumonia in older adults: a population-based case-control study. *Pharmacoepidemiol Drug Saf*. 2010;19(8):792-802. Epub 2010/07/14. doi: 10.1002/pds.1978. PubMed PMID: 20623507; PubMed Central PMCID: PMC2938739.

83. Haneuse S, Larson E, Walker R, Montine T, Sonnen J. Neuropathology-based risk scoring for dementia diagnosis in the elderly. *J Alzheimers Dis.* 2009;17(4):875-85. Epub 2009/06/23. doi: 10.3233/JAD-2009-1105. PubMed PMID: 19542615; PubMed Central PMCID: PMC2852462.
84. Breitner JC, Haneuse SJ, Walker R, Dublin S, Crane PK, Gray SL, et al. Risk of dementia and AD with prior exposure to NSAIDs in an elderly community-based cohort. *Neurology.* 2009;72(22):1899-905. Epub 20090422. doi: 10.1212/WNL.0b013e3181a18691. PubMed PMID: 19386997; PubMed Central PMCID: PMC2690966.
85. Kerlikowske K, Walker R, Miglioretti DL, Desai A, Ballard-Barbash R, Buist DS. Obesity, mammography use and accuracy, and advanced breast cancer risk. *J Natl Cancer Inst.* 2008;100(23):1724-33. Epub 20081125. doi: 10.1093/jnci/djn388. PubMed PMID: 19033562; PubMed Central PMCID: PMC2734114.
86. Kerlikowske K, Miglioretti DL, Buist DS, Walker R, Carney PA, National Cancer Institute-Sponsored Breast Cancer Surveillance C. Declines in invasive breast cancer and use of postmenopausal hormone therapy in a screening mammography population. *J Natl Cancer Inst.* 2007;99(17):1335-9. Epub 20070814. doi: 10.1093/jnci/djm111. PubMed PMID: 17698950.

Non-refereed publications

1. Dublin S, Walker RL, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, et al. Response to "ACE-2 Downregulation and Incidence of Severe Acute Respiratory Syndrome-Coronavirus-2 (SARS-CoV-2) Infection". *Am J Hypertens.* 2021;34(4):427. doi: 10.1093/ajh/hpaa212. PubMed PMID: 33320177; PubMed Central PMCID: PMC7799315.
2. Marcum ZA, Walker R, Bobb JF, Sin MK, Gray SL, Bowen JD, et al. Reply to: Comment on: Serum Cholesterol and Incident Alzheimer's Disease: Findings From the Adult Changes in Thought Study. *J Am Geriatr Soc.* 2019;67(6):1303-5. Epub 20190320. doi: 10.1111/jgs.15879. PubMed PMID: 30893465; PubMed Central PMCID: PMC6561793.
3. Jackson ML, Walker R, Lee S, Larson E, Dublin S. Reply to: Quality Indicators of Drug Use and Risk of Pneumonia in Older Adults without Dementia. *J Am Geriatr Soc.* 2017;65(6):1365-6. Epub 20170207. doi: 10.1111/jgs.14736. PubMed PMID: 28170082.
4. Dublin S, Walker R, Rutter C, Nelson JC, Fireman B, Graham D, Psaty B, Setoguchi S, and Shoaibi A (2014). Collecting supplemental information via two-phase study designs to investigate signals arising from medication safety surveillance activities: report of the FDA's Mini-Sentinel two-phase methods development workgroup.
5. Crane PK, Walker R, Larson EB. Glucose levels and risk of dementia. *N Engl J Med.* 2013;369(19):1863-4. doi: 10.1056/NEJMc1311765. PubMed PMID: 24195563.

Selected Posters, Presentations, and Abstracts (from 2020-current)

1. Del Pozzo J, Spielman L, Gibbons L, Power MC, Crane PK, Kumar R, Walker RL, Dams-O'Connor K. Clinical phenotypes of dementia in older adults with and without a TBI (poster). Military Health System Research Symposium (MHSRS), Aug 2023, Kissimmee, FL.
2. Kuntz J, Walker RL, Floyd JS, Shortreed SM, Fortmann SP, Bayliss EA, Harrington LB, Fuller S, Albertson-Junkans LH, Powers JD, Lee MH, Temposky LA, Dublin S. Association between Metformin use and the risk for COVID-19 infection (poster). International Conference on Pharmacoepidemiology (ICPE), Aug 2022, Copenhagen, Denmark.
3. Floyd JS, Walker RL, Kuntz J, Shortreed SM, Fortmann SP, Bayliss EA, Harrington LB, Fuller S, Albertson-Junkans LH, Powers JD, Lee MH, Temposky LA, Dublin S. Diabetes severity and the risks of COVID-19 infection and severe COVID-19 outcomes (oral presentation). International Conference on Pharmacoepidemiology (ICPE), Aug 2022, Copenhagen, Denmark.
4. Harrington LB, Powers JD, Bayliss EA, Fortmann SP, Shortreed SM, Walker RL, Floyd JS, Kuntz J, Fuller S, Albertson-Junkans LH, Lee MH, Temposky LA, Dublin S. Use of oral contraceptives or hormone therapy and risk of COVID-19 infection or hospitalization (poster). International Conference on Pharmacoepidemiology (ICPE), Aug 2022, Copenhagen, Denmark.
5. Fuller S, Gleason K, Walker RL, Fortmann SP, Albertson-Junkans L, Powers D, Lee MH, Floyd JS, Temposky L, Shortreed SM, Bayliss EA, Harrington LB, Kuntz JL, Pieper L, Van Marter J, Dublin S. Validity of electronic health records-based measures for COVID-19 hospitalization and severe outcomes (oral presentation). International Society for Pharmacoepidemiology (ISPE), Aug 2021, virtual webinar.
6. Rosenberg DE, Greenwood-Hickman MA, Walker R. ACT Activity Monitor (ACT-AM) sub-study: characterizing sedentary behavior, physical activity, and sleep in the ACT cohort (oral presentation). 9th Annual ACT Symposium, Aug 2021, virtual.
7. Greenwood-Hickman MA, Walker R, Bellettiere J, Wing D, LaCroix A, Rosenberg DE. Contextualizing device-measured sitting and sitting patterns among older adults using self-reported activities (poster). 2021 Virtual International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM), Jun 2021, virtual.
8. Hyde ET, Nguyen S, Greenwood-Hickman MA, LaCroix AZ, Moore CC, Natarajan L, Rosenberg D, Tuz-Zahra F, Walker RL, Bellettiere J. Agreement of step metrics derived from ActiGraph and activPAL accelerometers worn concurrently among older adults (poster). 2021 Virtual International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM), Jun 2021, virtual.
9. Lee CS, Su Y, Krakauer C, Walker R, Lee AY, O'Hare A, Larson EB, Crane PK. Diabetic retinopathy and dementia link is more than microvascular disease and poor glycemic control mechanisms (oral presentation). ARVO Annual Meeting, May 2021, virtual.
10. Rosenberg DE, Greenwood-Hickman MA, Walker RL, Gardiner P, LaCroix AZ. Physical activity and sedentary behavior in cognitive and functional aging: the Adult Changes in Thought cohort (symposium – oral presentations). 8th ISPAH Congress, Oct 2020 delayed to Oct 2021, virtual.

11. Dublin S, Walker RL, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, Harrington LB, Greenwood-Hickman MA, Green BB, Psaty BM. Renin-angiotensin-aldosterone system inhibitors and COVID-19 infection or hospitalization: a cohort study (oral presentation). International Society for Pharmacoepidemiology (ISPE), Dec 2020, virtual webinar.
12. Rosenberg DE, Walker RL, Greenwood-Hickman MA, Richmire K, Belletierre J, Wing D, LaCroix AZ. Patterns of sedentary behavior in a community-based cohort of older adults (oral presentation). The Gerontological Society of America annual scientific meeting, Nov 2020, virtual.
13. Rosenberg DE, Walker RL, Greenwood-Hickman MA, Belletierre J, LaCroix AZ. ACT Activity Monitor (ACT-AM) sub-study: sedentary behavior, physical activity, and aging (oral presentation). 8th Annual ACT Symposium, Aug 2020, virtual.

Professional Development Workshops

1. Causal mediation analysis (Tyler VanderWeele), Virtual Short Course (May 2022)
2. Data science workflows using R and Spark (Jim Harner), JSM, Vancouver, BC (Jul 29, 2018)
3. Tutorial on tools for connecting R, SAS, and Stata to Word: a practical approach to reproducibility (Leah J. Welty and Abigail S. Baldrige), ASA Conference on Statistical Practice, Portland, OR (Feb 17, 2018)
4. Statistical learning methods in R (Kelly Sue McConville), ASA Conference on Statistical Practice, Portland, OR (Feb 15, 2018)
5. Targeted learning for data adaptive causal inference in observational and randomized studies (Mark van der Laan and Susan Gruber), Seattle Symposium on Health Care Data Analytics, Seattle, WA (Oct 23, 2016)
6. Survival analysis in observational studies (Barbara McKnight), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jul 26, 2016)
7. Introduction to structural equation modeling and its applications (Yiu-Fai Yung), JSM, Seattle, WA (Aug 11, 2015)
8. Quantile regression in practice (Yonggang Yao), JSM, Seattle, WA (Aug 11, 2015)
9. Guidelines for using state-of-the-art methods to estimate propensity score and inverse probability of treatment weights when drawing causal inference (Lane Burgette and Dan McCaffrey), JSM, Seattle, WA (Aug 10, 2015)
10. Practical Bayesian computation (Fang Chen), JSM, Seattle, WA (Aug 9, 2015)
11. Survival analysis for clinical trials (Barbara McKnight and Susanne May), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jul 1, 2015)
12. Tutorial on parallel programming in R (Miranda Fix, Josh Hewitt, and Henry Randall Scharf), ASA Conference on Statistical Practice, New Orleans, LA (Feb 21, 2015)
13. Practical data mining: challenges and solutions (Richard De Veaux), ASA Conference on Statistical Practice, New Orleans, LA (Feb 19, 2015)
14. Developing prognostic and predictive biomarkers with high dimensional data (Noah Simon and Richard Simon), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jun 26, 2014)
15. Prognostic biomarker evaluation (Patrick Heagerty), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jun 25, 2014)
16. Bayesian Computation with R (Jim Albert), ASA Webinar (Jun 12, 2014)

17. Data mining (Robert Stine), Temple University Center City, Philadelphia, PA (Apr 5 - 6, 2013)
18. Current methods for evaluating prediction performance of biomarkers and tests (Margaret S. Pepe), University of Maryland, College Park, Silver Spring, MD (Oct 14, 2011)
19. Absolute risk prediction (Mitchell H. Gail, Ruth Pfeiffer), University of Maryland, College Park, Silver Spring, MD (Oct 12, 2011)
20. Regression modeling strategies (Frank E. Harrell, Jr.), Vanderbilt University, Nashville, TN (Mar 31 - Apr 2, 2010)
21. Missing data (Paul D. Allison), Temple University Center City, Philadelphia, PA (Apr 30 - May 1, 2010)