

ROD L. WALKER, M.S.

Curriculum Vitae

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Kaiser Permanente Washington Health Research Institute
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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 – present Gerontological Society of America

2007 – present American Statistical Association

Organizational Service

2022 – present	Member, ACT Proposals and Publications Committee
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	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. Rasouli B, Chubak J, Floyd JS, Psaty BM, Nguyen M, **Walker RL**, Wiggins KL, Logan RW, Danaei G (2023). Combining high quality data with rigorous methods: emulation of a target trial using electronic health records and a nested case-control design. *BMJ* [Epub ahead of print].
2. Harrington LB, Powers JD, Bayliss EA, Fortmann SP, Shortreed SM, **Walker RL**, Floyd JS, Kuntz JL, Fuller S, Albertson-Junkans LH, Lee MH, Temposky LA, Dublin S (2023). Current use of estrogen-containing oral contraceptives or hormone therapy and risk of COVID-19 infection and hospitalization: a population-based cohort study. *American Journal of Epidemiology* [in press].
3. Gibbons LE, Power MC, **Walker RL**, Kumar RG, Murphy A, Latimer CS, Nolan AL, Melief EJ, Beller A, Bogdani M, Keene CD, Larson EB, Crane PK, Dams-O'Connor K (2023). Association of traumatic brain injury with late life neuropathological outcomes in a community-based cohort. *J Alzheimers Dis* 93(3):949-961.
4. 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 (2023). Complex modeling with detailed temporal predictors does not improve health records-based suicide risk prediction. *npj Digit Med* 6(47).
5. Floyd JS, **Walker RL**, Kuntz JL, Shortreed SM, Fortmann SP, Bayliss EA, Harrington LB, Fuller S, Albertson-Junkans LH, Powers JD, Lee MH, Temposky LA, Dublin S (2023). Association between diabetes severity and risks of COVID-19 infection and outcomes. *J Gen Intern Med* 38(6):1484-1492.
6. Power MC, Parthasarathy V, Gianattasio KZ, **Walker RL**, Crane PK, Larson EB, Gibbons LE, Kumar RG, Dams-O'Connor K (2023). Investigation of the association of military employment and Parkinson's disease with a validated Parkinson's disease case-finding strategy. *Brain Injury* 37(5):383-387.
7. Shortreed SM, Gray R, Akosile MA, **Walker RL**, Fuller S, Temposky L, Fortmann SP, Albertson-Junkans L, Floyd JS, Bayliss EA, Harrington LB, Lee MH, Dublin S (2023). Increased COVID-19 infection risk drives racial and ethnic disparities in severe COVID-19 outcomes. *J Racial Ethn Health Disparities* 10(1):149-159.
8. Lee CS, Krakauer C, Su Y, **Walker R**, Blazes M, McCurry SM, Bowen JD, McCormick WC, Lee AY, Boyko E, O'Hare A, Larson EB, Crane PK (2022). Diabetic retinopathy and dementia association, beyond diabetes severity. *Am J Ophthalmol* [Epub ahead of print].
9. Hyde ET, Nguyen S, Tuz-Zahra F, Moore CC, Greenwood-Hickman MA, **Walker RL**, Natarajan L, Rosenberg D, Bellettiere J (2022). Agreement of step-based metrics from ActiGraph and ActivPAL accelerometers worn concurrently among older adults. *Journal for the Measurement of Physical Behaviour* 5(4):242-251.

10. Cruz M, Shortreed SM, Richards JE, Coley RY, Yarborough BJ, **Walker RL**, Johnson E, Ahmedani BK, Rossom R, Coleman KJ, Boggs JM, Beck AL, Simon GE (2022). Machine learning prediction of suicide risk does not identify patients without traditional risk factors. *J Clin Psychiatry* 83(5):21m14178.
11. Coley RY, **Walker RL**, Cruz M, Simon GE, Shortreed SM (2021). Clinical risk prediction models and informative cluster size: assessing the performance of a suicide risk prediction algorithm. *Biom J* 63(7):1375-1388.
12. Wingood M, Bonnell L, LaCroix AZ, Rosenberg D, **Walker R**, Bellettiere J, Greenwood-Hickman MA, Wing D, Gell N (2021). Community-dwelling older adults and physical activity recommendations: patterns of aerobic, strengthening, and balance activities. *J Aging Phys Act* 30(4):653-665.
13. Power MC, Murphy AE, Gianattasio KZ, Zhang YI, **Walker RL**, Crane PK, Larson EB, Gibbons LE, Kumar R, Dams-O'Conner K (2021). Association of military employment with late-life cognitive decline and dementia: a population-based prospective cohort study. *Mil Med* [Epub ahead of print].
14. Hart LA, **Walker R**, Phelan EA, Marcum ZA, Schwartz NRM, Crane PK, Larson EB, Gray SL (2021). Change in central nervous system-active medication use following fall-related injury in older adults. *J Am Geriatr Soc* 70(1):168-177.
15. Zaslavsky O, Yu O, **Walker RL**, Crane PK, Gray SL, Sadak T, Borson S, Larson EB (2021). 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* 76(11):2054-2061.
16. **Walker RL**, Shortreed SM, Ziebell RA, Johnson E, Boggs JM, Lynch FL, Daida YG, Ahmedani BK, Rossom R, Coleman KJ, Simon GE (2021). Evaluation of electronic health record-based suicide risk prediction models on contemporary data. *Appl Clin Inform* 12(4):778-787.
17. Tabio L, **Walker RL**, Crane PK, Gibbons LE, Kumar RG, Power MC, Kelley AS, Larson EB, Dams-O'Conner K (2021). Association of lifetime TBI and military employment with late life ADL functioning: a population-based prospective cohort study. *Arch Phys Med Rehabil* 102(12):2316-2324.
18. **Walker RL**, Greenwood-Hickman MA, Bellettiere J, LaCroix AZ, Wing D, Higgins M, Richmire K, Larson EB, Crane PK, Rosenberg DE (2021). 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* 21(1):216.
19. Postupna N, Rose SE, Gibbons LE, Coleman NM, Hellstern LL, Ritchie K, Wilson AM, Cudaback E, Li X, Melief EJ, Beller AE, Miller JA, Nolan AL, Marshall DA, **Walker R**, Montine TJ, Larson EB, Crane PK, Ellenbogen RG, Lein ES, Dams-O'Connor K, Keene CD (2021). The delayed neuropathological consequences of traumatic brain injury in a

community-based sample. *Front Neurol* 12:624696.

20. Greenwood-Hickman MA, **Walker R**, Bellettiere J, LaCroix AZ, Bouen K, Wing D, Richmire K, Crane PK, Larson EB, Rosenberg DE (2021). Associations between perceived neighborhood walkability and device-based physical activity and sedentary behavior patterns in older adults. *J Aging Phys Act* 30(1):98-106.
21. Bellettiere J, Tuz-Zahra F, Lacroix AZ, Carlson J, Ridgers ND, Jankowska MM, Liles S, Greenwood-Hickman MA, **Walker RL**, Rosenberg DE, Natarajan L (2021). 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* 4(1):79-88.
22. Kumar R, Jayasinghe N, **Walker RL**, Gibbons LE, Power MC, Larson EB, Crane PK, Dams-O'Conner K (2021). Association of remote traumatic brain injury and military employment with late-life trajectories of depressive symptom severity. *J Affect Disord* 281:376-383.
23. Zhou J, **Walker RL**, Gray SL, Marcum ZA, Barthold D, Bowen JD, McCormick W, McCurry SM, Larson EB, Crane PK (2021). Glucose-dementia association is consistent over blood pressure/antihypertensive groups. *J Alzheimers Dis* 80(1):79-90.
24. Dublin S, **Walker RL**, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, Harrington LB, Greenwood-Hickman MA, Green BB, Psaty BM (2021). Renin-angiotensin-aldosterone system inhibitors and COVID-19 infection or hospitalization: a cohort study. *Am J Hypertens* 34(4):339-347.
25. Rosenberg D, **Walker R**, Greenwood-Hickman MA, Bellettiere J, Xiang Y, Richmire K, Higgins M, Wing D, Larson EB, Crane PK, LaCroix AZ (2020). Device-assessed physical activity and sedentary behavior in a community-based cohort of older adults. *BMC Public Health* 20:1256.
26. Zaslavsky O, **Walker RL**, Crane PK, Gray SL, Larson EB (2020). Glucose control and cognitive and physical function in adults 80+ years of age with diabetes. *Alzheimers Dement (N Y)* 6:e12058.
27. Chen L, Shortreed SM, Easterling T, Cheetham TC, Reynolds K, Avalos LA, Kamineni A, Holt V, Neugebauer R, Akosile M, Nance N, Bider-Canfield Z, **Walker RL**, Badon SE, Dublin S (2020). Identifying hypertension in pregnancy using electronic medical records: the importance of blood pressure values. *Pregnancy Hypertens* 19:112-118.
28. Gray SL, Marcum ZA, Dublin S, **Walker RL**, Golchin N, Rosenberg D, Bowles EJ, Crane PK, Larson EB (2020). 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* 75(5):1003-1009.
29. Barnes DE, Zhou J, **Walker RL**, Larson EB, Lee SJ, Boscardin WJ, Marcum ZA, Dublin S (2020). Development and validation of eRADAR: a tool using EHR data to detect unrecognized dementia. *J Am Geriatr Soc* 68(1):103-111.

30. Hart LA, Marcum ZA, Gray SL, **Walker RL**, Crane PK, Larson EB (2019). The association between central nervous system-active medication use and fall-related injury in older adults with dementia. *Pharmacotherapy* 39(5):530-543.
31. Bowles EJA, Crane PK, **Walker RL**, Chubak J, LaCroix AZ, Anderson ML, Rosenburg D, Keene CD, Larson EB (2019). Cognitive resilience to Alzheimer's disease pathology in the human brain. *J Alzheimers Dis* 68(3):1071-1083.
32. Marcum Z, **Walker RL**, Jones BL, Ramaprasan A, Gray SL, Dublin S, Crane PK, Larson EB (2019). Patterns of antihypertensive and statin adherence prior to dementia: findings from the Adult Changes in Thought study. *BMC Geriatrics* 19(1):41.
33. Dublin S, **Walker RL**, Shortreed SM, Saunders K, Ludman EJ, Hansen RN, Thakral M, Sherman KJ, Parchman M, Von Korff M (2019). Impact of initiatives to reduce prescription opioid risks on medically attended injuries in people using chronic opioid therapy. *Pharmacoepidemiol Drug Saf* 28(1):90-96.
34. Von Korff M, Saunders K, Dublin S, **Walker RL**, Thakral M, Sherman KJ, Ludman EJ, Hansen RN, Parchman M, Shortreed SM (2019). Impact of chronic opioid therapy risk reduction initiatives on opioid overdose. *J Pain* 20(1):108-117.
35. Jones SMW, **Walker R**, Fuji M, Nekhlyudov L, Rabin BA, Chubak J (2018). Financial difficulty, worry about affording care, and benefit finding in long-term survivors of cancer. *Psycho-Oncology* 27(4):1320-1326.
36. Harding B, Weiss NS, **Walker RL**, Larson EB, Dublin S (2018). Proton pump inhibitor use and the risk of fractures among an older adult cohort. *Pharmacoepidemiol Drug Saf* 27(6):596-603.
37. Gray SL, Anderson ML, Hanlon JT, Dublin S, **Walker RL**, Hubbard RA, Yu O, Montine TJ, Crane PK, Sonnen JA, Keene CD, Larson EB (2018). Exposure to strong anticholinergic medications and dementia-related neuropathology in a community-based autopsy cohort. *J Alzheimers Dis* 66(2):247-253.
38. Marcum ZA, **Walker RL**, Bobb JF, Sin MK, Gray SL, Bowen JD, McCormick W, McCurry SM, Crane PK, Larson EB (2018). Serum cholesterol and incident Alzheimer's disease: findings from the Adult Changes in Thought study. *J Am Geriatr Soc* 66(12):2344-2352.
39. Sherman KJ, **Walker RL**, Saunders K, Shortreed SM, Parchman M, Hansen RN, Ludman EJ, Thakral M, Dublin S, Von Korff M (2018). Doctor-patient trust among chronic pain patients on chronic opioid therapy after opioid risk reduction initiatives: a survey. *J Am Board Fam Med* 31(4):578-587.
40. Flanagan ME, Larson EB, **Walker RL**, Keene CD, Postupna N, Cholerton B, Sonnen JA, Dublin S, Crane PK, Montine TJ (2018). Associations between use of specific analgesics and concentrations of amyloid-beta 42 or phospho-tau in regions of human cerebral cortex. *J Alzheimers Dis* 61(2):653-662.

41. Thakral M, **Walker RL**, Saunders K, Shortreed SM, Dublin S, Parchman M, Hansen RN, Ludman EJ, Sherman KJ, Von Korff M (2018). Impact of opioid dose reduction initiatives on chronic opioid therapy patients at higher risk for opioid-related adverse outcomes. *Pain Medicine* 19(12):2450-2458.
42. Thakral M, **Walker RL**, Saunders K, Shortreed SM, Parchman M, Hansen RN, Ludman EJ, Sherman KJ, Dublin S, Von Korff M (2018). Comparing pain and depressive symptoms of chronic opioid therapy patients receiving dose reduction and risk mitigation initiatives to usual care. *J Pain* 19(1):111-120.
43. Reed SC, **Walker R**, Ziebell R, Rabin B, Nutt S, Chubak J, Nekhlyudov L (2018). Cancer survivors' reported discussions with health care providers about follow-up care and receipt of written care plans. *J Cancer Educ* 33(6):1181-1188.
44. Lee SJ, Larson EB, Dublin S, **Walker RL**, Marcum Z, Barnes D (2018). A cohort study of healthcare utilization in older adults with undiagnosed dementia. *J Gen Intern Med* 33(1):13-15.
45. Gray SL, **Walker RL**, Dublin S, Yu O, Bowles EJA, Anderson ML, Crane PK, Larson EB (2018). Proton pump inhibitor use and dementia risk: prospective population-based study. *J Am Geriatr Soc* 66(2):247-253.
46. Wang L, Hubbard RA, **Walker RL**, Lee EB, Crane PK, Larson EB (2017). Assessing robustness of hazard ratio estimates to outcome misclassification in longitudinal panel studies with application to Alzheimer's disease. *PLoS One* 12(12):e0190107.
47. Von Korff M, **Walker RL**, Saunders K, Shortreed SM, Thakral M, Parchman M, Hansen RN, Ludman EJ, Sherman KJ, Dublin S (2017). Prevalence of prescription opioid use disorder among chronic opioid therapy patients after health plan opioid dose and risk reduction initiatives. *Int J Drug Policy* 46:90-98.
48. Bowles EJA, **Walker RL**, Anderson ML, Dublin S, Crane PK, Larson EB (2017). Risk of Alzheimer's disease or dementia following a cancer diagnosis. *PLoS One* 12(6):e0179857.
49. Dublin S, **Walker RL**, Gray SL, Hubbard RA, Anderson ML, Yu O, Montine TJ, Crane PK, Sonnen JA, Larson EB (2017). Use of analgesics (opioids and nonsteroidal anti-inflammatory drugs) and dementia related neuropathology in a community-based autopsy cohort. *J Alzheimers Dis* 58(2):435-448.
50. Hansen RN, **Walker RL**, Shortreed SM, Dublin S, Saunders K, Ludman EJ, Von Korff M (2017). Impact of an opioid risk reduction initiative on motor vehicle crash risk among chronic opioid therapy patients. *Pharmacoepidemiol Drug Saf* 26(1):47-55.
51. Jones SM, Ziebell R, **Walker R**, Nekhlyudov L, Rabin BA, Nutt S, Fujii M, Chubak J (2017). Association of worry about cancer to benefit finding and functioning in long-term cancer survivors. *Support Care Cancer* 25(5):1417-1422.
52. Zaslavsky O, **Walker RL**, Crane PK, Gray SL, Larson EB (2016). Glucose Levels and Risk of Frailty. *J Gerontol A Biol Sci Med Sci* 71(9):1223-1229.

53. Nekhlyudov L, **Walker R**, Ziebell R, Rabin B, Nutt S, Chubak J (2016). Cancer survivors' experiences with insurance, finances, and employment: results from a multisite study. *J Cancer Surviv* 10(6):1104-1111.
54. Crane PK, **Walker RL**, Sonnen J, Gibbons LE, Melrose R, Hassenstab J, Keene CD, Postupna N, Montine TJ, Larson EB (2016). Glucose levels during life and neuropathologic findings at autopsy among people never treated for diabetes. *Neurobiol Aging* 48:72-82.
55. Jackson ML, **Walker R**, Lee S, Larson E, Dublin S (2016). Predicting two-year risk of developing pneumonia in older adults without dementia. *J Am Geriatr Soc* 64(7):1439-1447.
56. Gray SL, Dublin S, Yu O, **Walker R**, Anderson ML, Hubbard R, Crane PK, Larson EB (2016). Benzodiazepine use and risk of incident dementia or cognitive decline: prospective population based study. *BMJ* 352:i90.
57. Bowles EJA, Larson EB, Pong RP, **Walker RL**, Anderson ML, Yu O, Gray SL, Crane PK, Dublin S (2016). Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. *J Am Geriatr Soc* 64(3):602-607.
58. Chatterjee S, Peters SA, Woodward M, Arango SM, Batty GD, Beckett N, Beiser A, Borenstein AR, Crane PK, Haan M, Hassing LB, Hayden KM, Kiyohara Y, Larson EB, Li CY, Ninomiya T, Ohara T, Peters R, Russ TC, Seshadri S, Strand BH, **Walker R**, Xu W, Huxley RR (2016). 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* 39(2):300-307.
59. Von Korff M, Dublin S, **Walker RL**, Parchman M, Shortreed SM, Hansen RN, Saunders K (2016). The impact of opioid risk reduction initiatives on high-dose opioid prescribing for chronic opioid therapy patients. *J Pain* 17(1):101-110.
60. Jones SM, Ziebell R, **Walker R**, Nekhlyudov L, Rabin BA, Nutt S, Fujii M, Chubak J (2016). Psychometric investigation of benefit finding among long-term cancer survivors using the Medical Expenditure Panel Survey. *Eur J Oncol Nurs* 20:31-35.
61. Onega T, Goldman LE, **Walker RL**, Miglioretti DL, Buist DS, Taplin S, Geller BM, Hill DA, Smith-Bindman R (2016). Facility mammography volume in relation to breast cancer screening outcomes. *J Med Screen* 23(1):31-37.
62. Dublin S, **Walker RL**, Gray SL, Hubbard RA, Anderson ML, Yu O, Crane PK, Larson EB (2015). Prescription opioids and risk of dementia or cognitive decline: a prospective cohort study. *J Am Geriatr Soc* 63(8):1519-1526.
63. Paul KJ, **Walker RL**, Dublin S (2015). Anticholinergic medications and risk of community-acquired pneumonia in elderly adults: a population-based case-control study. *J Am Geriatr Soc* 63(3):476-485.
64. Gray SL, Anderson ML, Dublin S, Hanlon JT, Hubbard R, **Walker R**, Yu O, Crane PK, Larson EB (2015). Cumulative use of strong anticholinergics and incident dementia: a

prospective cohort study. *JAMA Intern Med* 175(3):401-407.

65. Dublin S, Johnson KE, **Walker RL**, Avalos LA, Andrade SE, Beaton SJ, Davis RL, Herrinton LJ, Pawloski PA, Raebel MA, Smith DH, Toh S, Caughey AB (2014). Trends in elective labor induction for six United States health plans, 2001-2007. *J Womens Health (Larchmt)* 23(11):904-911.
66. Crane PK, **Walker R**, Hubbard RA, Li G, Nathan DM, Zheng H, Haneuse S, Craft S, Montine TJ, Kahn SE, McCormick W, McCurry SM, Bowen JD, Larson EB (2013). Glucose levels and risk of dementia. *N Engl J Med* 369(6):540-548.
67. Dublin S, Baldwin E, **Walker RL**, Christensen LM, Haug PJ, Jackson ML, Nelson JC, Ferraro J, Carrell D, Chapman WW (2013). Natural Language Processing to identify pneumonia from radiology reports. *Pharmacoepidemiol Drug Saf* 22(8):834-841.
68. Goldman LE, **Walker R**, Hubbard R, Kerlikowske K, Breast Cancer Surveillance C (2013). Timeliness of abnormal screening and diagnostic mammography follow-up at facilities serving vulnerable women. *Med Care* 51(4):307-314.
69. Buist DS, **Walker R**, Bowles EJ, Carney PA, Taplin SH, Onega T, Kerlikowske K, Clinton W, Miglioretti DL (2012). Screening mammography use among current, former, and never hormone therapy users may not explain recent declines in breast cancer incidence. *Cancer Epidemiol Biomarkers Prev* 21(5):720-727.
70. Dublin S, **Walker RL**, Jackson ML, Nelson JC, Weiss NS, Jackson LA (2012). Angiotensin-converting enzyme inhibitor use and pneumonia risk in community-dwelling older adults: results from a population-based case-control study. *Pharmacoepidemiol Drug Saf* 21(11):1173-1182.
71. Goldman LE, **Walker R**, Miglioretti DL, Smith-Bindman R, Kerlikowske AK, Breast Cancer Surveillance C (2012). Facility characteristics do not explain higher false-positive rates in diagnostic mammography at facilities serving vulnerable women. *Med Care* 50(3):210-216.
72. O'Hare AM, **Walker R**, Haneuse S, Crane PK, McCormick WC, Bowen JD, Larson EB (2012). Relationship between longitudinal measures of renal function and onset of dementia in a community cohort of older adults. *J Am Geriatr Soc* 60(12):2215-2222.
73. Dublin S, **Walker RL**, Jackson ML, Nelson JC, Weiss NS, Von Korff M, Jackson LA (2011). Use of opioids or benzodiazepines and risk of pneumonia in older adults: a population-based case-control study. *J Am Geriatr Soc* 59(10):1899-1907.
74. Goldman LE, **Walker R**, Miglioretti DL, Smith-Bindman R, Kerlikowske K, National Cancer Institute Breast Cancer Surveillance C (2011). Accuracy of diagnostic mammography at facilities serving vulnerable women. *Med Care* 49(1):67-75.
75. Gray SL, **Walker R**, Dublin S, Haneuse S, Crane PK, Breitner JC, Bowen J, McCormick W, Larson EB (2011). Histamine-2 receptor antagonist use and incident dementia in an older cohort. *J Am Geriatr Soc* 59(2):251-257.

76. Kapp JM, **Walker R**, Haneuse S, Yankaskas BC (2011). A prospective assessment of racial/ethnic differences in future mammography behavior among women who had early mammography. *Cancer Epidemiol Biomarkers Prev* 20(4):600-608.
77. Miglioretti DL, **Walker R**, Weaver DL, Buist DS, Taplin SH, Carney PA, Rosenberg RD, Dignan MB, Zhang ZT, White E (2011). Accuracy of screening mammography varies by week of menstrual cycle. *Radiology* 258(2):372-379.
78. Dublin S, **Walker RL**, Jackson ML, Nelson JC, Weiss NS, Jackson LA (2010). Use of proton pump inhibitors and H2 blockers and risk of pneumonia in older adults: a population-based case-control study. *Pharmacoepidemiol Drug Saf* 19(8):792-802.
79. Farhat GN, **Walker R**, Buist DS, Onega T, Kerlikowske K (2010). Changes in invasive breast cancer and ductal carcinoma in situ rates in relation to the decline in hormone therapy use. *J Clin Oncol* 28(35):5140-5146.
80. Kapp JM, **Walker R**, Haneuse S, Buist DS, Yankaskas BC (2010). Are there racial/ethnic disparities among women younger than 40 undergoing mammography? *Breast Cancer Res Treat* 124(1):213-222.
81. Sonnen JA, Larson EB, **Walker RL**, Haneuse S, Crane PK, Gray SL, Breitner JC, Montine TJ (2010). Nonsteroidal anti-inflammatory drugs are associated with increased neuritic plaques. *Neurology* 75(13):1203-1210.
82. Breitner JC, Haneuse SJ, **Walker R**, Dublin S, Crane PK, Gray SL, Larson EB (2009). Risk of dementia and AD with prior exposure to NSAIDs in an elderly community-based cohort. *Neurology* 72(22):1899-1905.
83. Haneuse S, Larson E, **Walker R**, Montine T, Sonnen J (2009). Neuropathology-based risk scoring for dementia diagnosis in the elderly. *J Alzheimers Dis* 17(4):875-885.
84. Kerlikowske K, **Walker R**, Miglioretti DL, Desai A, Ballard-Barbash R, Buist DS (2008). Obesity, mammography use and accuracy, and advanced breast cancer risk. *J Natl Cancer Inst* 100(23):1724-1733.
85. Kerlikowske K, Miglioretti DL, Buist DS, **Walker R**, Carney PA, National Cancer Institute-Sponsored Breast Cancer Surveillance C (2007). Declines in invasive breast cancer and use of postmenopausal hormone therapy in a screening mammography population. *J Natl Cancer Inst* 99(17):1335-1339.

Non-refereed publications

1. Dublin S, **Walker RL**, Floyd JS, Shortreed SM, Fuller S, Albertson-Junkans L, Harrington LB, Greenwood-Hickman MA, Green BB, Psaty BM (2021). Response to “ACE-2 downregulation and incidence of severe acute respiratory syndrome-coronavirus-2 (SARS-CoV-2) infection”. *Am J Hypertens* 34(4):427.
2. Marcum ZA, **Walker RL**, Bobb JF, Sin MK, Gray SL, Bowen JD, McCormick W, McCurry

SM, Crane PK, Larson EB (2019). Reply to: Comment on: Serum cholesterol and incident Alzheimer's disease: findings from the Adult Changes in Thought study. *J Am Geriatr Soc* 67(6):1303-1305.

3. Jackson ML, **Walker R**, Lee S, Larson E, Dublin S (2017). Reply to: quality indicators of drug use and the risk of pneumonia in adults without dementia. *J Am Geriatr Soc* 65(6):1365-1366.
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 (2013). Glucose levels and risk of dementia. *N Engl J Med* 369(19):1863-1864.

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)