

ROD WALKER

Biostatistics Unit, KPWHRI
1730 Minor Avenue, Suite 1600
Seattle, WA 98101

Office: (206) 287-2895
Fax: (206) 287-2871
Rod.L.Walker@kp.org

EDUCATION

University of Washington, Seattle, WA
Master of Science, Biostatistics

Graduation: Dec 2007

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

Graduation: May 1999

PROFESSIONAL POSITIONS

Kaiser Permanente Washington Health Research Institute, Seattle, WA
(formerly the Group Health Research Institute)

Biostatistician III

Apr 2018 – Present

Biostatistician II

Apr 2013 – Apr 2018

Biostatistician I

Oct 2007 – Apr 2013

Research Assistant

Sep 2005 – Oct 2007

The Hockaday School, Dallas, TX

Upper School Mathematics Instructor

Aug 2000 – Jun 2005

Southern Methodist University, Dallas, TX

Graduate Management Admission Test Instructor

Sep 2001 – May 2003

University of Texas at Dallas, Richardson, TX

Learning Resource Assistant

Aug 1999 – Aug 2000

Learning Resource Tutor

Jan 1997 – Aug 1999

AFFILIATIONS AND HONORS

Member of American Statistical Association

Ongoing

John Killion Memorial Teaching Award, Hockaday

Awarded: 2005

Actuarial Sciences Associates Course 1 Exam

Passed: 2004

Eugene McDermott Scholar, UT Dallas

Sep 1997 – May 1999

Silver Anniversary Scholarship, UT Dallas

Sep 1995 – Aug 1997

Clark Research Fellowship, UT Dallas

Jun 1995 – Aug 1995

BIBLIOGRAPHY

Peer-reviewed research articles

1. Gray SL, Marcum ZA, Dublin S, **Walker RL**, Golchin N, Rosenberg D, Bowles EJ, Crane PK, Larson EB. Medications acting on the central nervous system and fall-related injuries in community dwelling older adults: a new user cohort study (2019). *J Gerontol A Biol Sci* [Epub ahead

of print].

2. Barnes DE, Zhou J, **Walker RL**, Larson EB, Lee SJ, Boscardin WJ, Marcum ZA, Dublin S. Development and validation of eRADAR: a tool using EHR data to detect unrecognized dementia (2019). *J Am Geriatr Soc* [Epub ahead of print].
3. 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 older adults with dementia (2019). *Pharmacotherapy* 39(5):530-543.
4. Bowles EJA, Crane PK, **Walker RL**, Chubak J, LaCroix AZ, Anderson ML, Rosenburg D, Keene CD, Larson EB. Cognitive resilience to Alzheimer's disease pathology in the human brain (2019). *J Alzheimers Dis* 68(3):1071-1083.
5. Marcum Z, **Walker RL**, Jones BL, Ramaprasan A, Gray SL, Dublin S, Crane PK, Larson EB. Patterns of antihypertensive and statin adherence prior to dementia: findings from the Adult Changes in Thought study (2019). *BMC Geriatrics* 19(1):41.
6. Dublin S, **Walker RL**, Shortreed SM, Saunders K, Ludman EJ, Hansen RN, Thakral M, Sherman KJ, Parchman M, Von Korff M. Impact of initiatives to reduce prescription opioid risks on medically attended injuries in people using chronic opioid therapy (2019). *Pharmacoepidemiol Drug Saf* 28(1):90-96.
7. Von Korff M, Saunders K, Dublin S, **Walker RL**, Thakral M, Sherman KJ, Ludman EJ, Hansen RN, Parchman M, Shortreed SM. Impact of chronic opioid therapy risk reduction initiatives on opioid overdose (2019). *J Pain* 20(1):108-117.
8. Jones SMW, **Walker R**, Fuji M, Nekhlyudov L, Rabin BA, Chubak J. Financial difficulty, worry about affording care, and benefit finding in long-term survivors of cancer (2018). *Psycho-Oncology* 27(4):1320-1326.
9. Harding B, Weiss NS, **Walker RL**, Larson EB, Dublin S. Proton pump inhibitor use and the risk of fractures among an older adult cohort (2018). *Pharmacoepidemiol Drug Saf* 27(6):596-603.
10. Gray SL, Anderson ML, Hanlon JT, Dublin S, **Walker RL**, Hubbard RA, Yu O, Montine TJ, Crane PK, Sonnen JA, Keene CD, Larson EB. Exposure to strong anticholinergic medications and dementia-related neuropathology in a community-based autopsy cohort (2018). *J Alzheimers Dis* 66(2):247-253.
11. Marcum ZA, **Walker RL**, Bobb JF, Sin MK, Gray SL, Bowen JD, McCormick

W, McCurry SM, Crane PK, Larson EB. Serum cholesterol and incident Alzheimer's disease: findings from the Adult Changes in Thought study (2018). *J Am Geriatr Soc* 66(12):2344-2352.

12. Sherman KJ, **Walker RL**, Saunders K, Shortreed SM, Parchman M, Hansen RN, Ludman EJ, Thakral M, Dublin S, Von Korff M. Doctor-patient trust among chronic pain patients on chronic opioid therapy after opioid risk reduction initiatives: a survey (2018). *J Am Board Fam Med* 31(4):578-587.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.

31. 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.
32. 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.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.

40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.

50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. 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.
58. 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.

Other non-peer-reviewed publications

1. 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.

2. 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.
3. 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.
4. 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

1. Rosenberg DE, Greenwood-Hickman M, **Walker R**, Richmire K, Crane PK, Larson EB, LaCroix A. Sitting patterns, physical activity, and physical functioning in older adults (symposium – oral presentation). The Gerontological Society of America annual scientific meeting, Nov 2019, Austin, TX.
2. **Walker RL**, Greenwood-Hickman MA, Belletierre J, LaCroix AZ, Rosenberg D. Aim 2: physical activity – overview and progress to date (oral presentation). 7th Annual ACT Symposium, Aug 2019, Seattle, WA.
3. Barnes DE, Zhou J, **Walker R**, Larson EB, Lee SJ, Boscardin WJ, Marcum Z, Dublin S. Development and validation of the electronic health record risk of Alzheimer's and dementia assessment rule (eRADAR) (oral presentation). Alzheimer's Association International Conference (AAIC), Jul 2019, Los Angeles, CA.
4. Zhou J, **Walker RL**, Gray S, Marcum Z, Bowen JD, McCormick W, McCurry SM, Larson EB, Crane PK. Associations between glucose levels and dementia risk do not vary across groups defined by high blood pressure and antihypertensive treatments among people not treated for diabetes (poster). Alzheimer's Association International Conference (AAIC), Jul 2019, Los Angeles, CA.
5. 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, Albertson-Junkans LH, **Walker RL**, Badon SE, Dublin S. Algorithms to identify hypertension in pregnancy using electronic medical records: the importance of blood pressure values (poster). 10th International Symposium on Diabetes, Hypertension, and Metabolic Syndrome and Pregnancy (DIP), Jun 2019, Florence, Italy.
6. Hart LA, Gray SL, **Walker RL**, Phelan EA, Ailabouni NJ, Crane PK, Larson EB. Patterns of central nervous system (CNS)-active medication use in older adults after fall-related injury (poster). American Geriatrics Society (AGS) annual scientific meeting, May 2019, Portland, OR.

7. Barnes DE, Zhou J, **Walker R**, Lee S, Boscardin WJ, Marcum Z, Larson E, Dublin S. Development and validation of the EHR risk of Alzheimer's and dementia assessment rule (eRADAR) (poster). The Gerontological Society of America annual scientific meeting, Nov 2018, Boston, MA.
8. Chen L, Shortreed SM, Easterling T, Cheetham TC, Holt V, Reynolds K, Avalos LA, **Walker R**, Kamineni A, Akosile M, Badon S, Dublin S. Using blood pressure values from electronic medical records to identify hypertension during pregnancy (oral presentation). American Heart Association's (AHA) annual joint hypertension scientific sessions, Sep 2018, Chicago, IL.
9. Chen L, Shortreed SM, Easterling T, Cheetham TC, Holt V, Reynolds K, Avalos LA, **Walker R**, Kamineni A, Akosile M, Badon S, Dublin S. Hypertension treatment disruption during pregnancy among women with chronic hypertension (poster). American Heart Association's (AHA) annual joint hypertension scientific sessions, Sep 2018, Chicago, IL.
10. Dublin S, **Walker R**, Greenwood-Hickman MA. eRADAR: work in progress (oral presentation). 6th Annual ACT Symposium, Aug 2018, Seattle, WA.
11. Marcum ZA, **Walker RL**, Bobb JF, Sin MK, Gray SL, Bowen JD, McCormick W, McCurry SM, Crane PK, Larson EB. Serum cholesterol and incident Alzheimer's disease: findings from the Adult Changes in Thought study (poster). Alzheimer's Association International Conference (AAIC), Jul 2018, Chicago, IL.
12. Hart LA, Larson EB, Marcum ZA, **Walker RL**, Crane PK, Gray SL. Potentially inappropriate medication use patterns in older adults before and after dementia diagnosis (poster). American Geriatrics Society (AGS) annual scientific meeting, May 2018, Orlando, FL.
13. Marcum ZA, **Walker RL**, Jones B, Ramaprasan A, Gray SL, Dublin S, Crane PK, Larson EB. Trajectories of antihypertensive and statin adherence prior to dementia (poster). American Geriatrics Society (AGS) annual scientific meeting, May 2018, Orlando, FL.
14. Dublin S, **Walker RL**, Bobb JF, Caughey AB, Holt VL, Wing DA, Shi JM, Dukhovny D, Getahun D. Outcomes after non-indicated induction of labor compared to expectant management: an observational study (poster). Society for Maternal-Fetal Medicine (SMFM) 38th annual pregnancy meeting, Feb 2018, Dallas, TX.
15. Dublin S, Gray SL, **Walker RL**, Yu O, Bowles EJA, Anderson ML, Crane PK, Larson EB. Proton pump inhibitor use and dementia risk (oral presentation). 33rd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2017, Montreal, Canada.

16. Marcum ZA, Larson EB, **Walker RL**, Golchin N, Rosenberg DE, Crane PK, Dublin S, Gray SL. Initiation of medications acting on the central nervous system (CNS) and fall-related injuries (poster). 33rd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2017, Montreal, Canada.
17. Dublin S, **Walker RL**, Shortreed SM, Saunders K, Ludman EJ, Hansen RN, Sherman KJ, Thakral M, Parchman M, Von Korff M. Opioid risk reduction initiatives and risk of injuries in people using chronic opioid therapy (poster). 33rd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2017, Montreal, Canada.
18. Dublin S, Von Korff M, Saunders K, **Walker RL**, Thakral M, Sherman KJ, Ludman EJ, Hansen RN, Parchman M, Shortreed SM. Impact of risk reduction initiatives on rates of opioid overdose (oral presentation). 33rd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2017, Montreal, Canada.
19. Bobb JF, **Walker RL**, Marcum ZA, Sin MK, Gray SL, Crane PK, Larson EB. Association between cholesterol and risk of dementia (oral presentation). 5th Annual ACT Symposium, August 2017, Seattle, WA.
20. Marcum ZA, **Walker RL**, Jones BL, Ramaprasan A, Gray SL, Dublin S, Larson EB. Longitudinal medication adherence to chronic cardiovascular medications (oral presentation). 5th Annual ACT Symposium, August 2017, Seattle, WA.
21. Hart LA, Marcum ZA, Gray SL, **Walker RL**, Crane PK, Larson EB. The association between central nervous system (CNS) active medication use and fall-related injury in older adults with dementia (oral presentation). 5th Annual ACT Symposium, August 2017, Seattle, WA.
22. Flanagan ME, Larson EB, **Walker RL**, Keene CD, Postupna N, Cholerton B, Sonnen JA, Dublin S, Crane PK, Montine TJ. Associations between analgesic use and concentrations of amyloid-beta 42 or phospho-tau in regions of human cerebral cortex (oral presentation). 5th Annual ACT Symposium, August 2017, Seattle, WA.
23. Lee SJ, Larson EB, Dublin S, **Walker RL**, Marcum ZA, Barnes DE. Electronic medical record predictors of undiagnosed dementia (poster). Alzheimer's Association International Conference (AAIC), July 2017, London, England.
24. Bowles EJA, **Walker RL**, Anderson ML, Dublin S, Crane PK, Larson EB. Risk of Alzheimer's disease following a cancer diagnosis (poster). Alzheimer's Association International Conference (AAIC), July 2017, London, England.
25. Hart LA, Marcum ZA, Gray SL, **Walker RL**, Crane PK, Larson EB. Evaluating the association between central nervous system (CNS) active medication use and

fall-related injuries in older adults with dementia (poster). Alzheimer's Association International Conference (AAIC), July 2017, London, England.

26. Bowles EJA, **Walker RL**, Crane PK, Keene CD, Chubak J, Anderson ML, LaCroix AZ, Larson EB. How do we measure resilience to brain aging, dementia, and Alzheimer's disease (poster). Alzheimer's Association International Conference (AAIC), July 2017, London, England.
27. Von Korff M, Dublin S, Hansen RN, Ludman EJ, Parchman M, Saunders K, Sherman KJ, Shortreed SM, Thakral M, **Walker RL**, Addis M, et al. Controlled evaluation of dose reduction, risk stratification and monitoring strategies (oral presentation). Chronic Pain Management and Opioids Workshop, April 2017, Seattle, WA.
28. Thakral M, **Walker RL**, Saunders K, Shortreed SM, Dublin S, Hansen RN, Ludman EJ, Sherman KJ, Parchman M, Von Korff M. Impact of opioid safety initiatives in those at high risk for opioid-related problems (conference award). Western Institute of Nursing Annual Communicating Nursing Research Conference, April 2017, Denver, CO.
29. **Walker RL**. Statistical inference: confidence intervals and p-values (instructional lecture). Basic biostatistics reprise for Research Support Specialist group, Group Health Research Institute (GHRI), November 2016, Seattle, WA.
30. Marcum ZA, Larson EB, **Walker RL**, Gray SL, Golchin N, Rosenberg DE, Crane PK, Dublin S. Central nervous system-active medications and fall-related injuries (poster). Gerontological Society of America (GSA) annual conference, November 2016, New Orleans, LA.
31. Hansen RN, **Walker RL**, Shortreed SM, Dublin S, Saunders K, Ludman EJ, Von Korff M. Impact of an opioid risk reduction initiative on motor vehicle crash risk among chronic opioid therapy patients (poster). 32nd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2016, Dublin, Ireland.
32. Dublin S, Getahun D, **Walker RL**, Holt VL, Bobb J, Darney B, Dukhovny D, Lai J, Pocobelli G, Wing DA, Caughey AB. Validity of Electronic Health Data for Pregnancy Outcomes (poster). 32nd International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2016, Dublin, Ireland.
33. **Walker RL**. ACT lab, pharmacy, and blood pressure data (oral presentation). 4th Annual ACT Symposium, August 2016, Seattle, WA.
34. Gray SL, **Walker RL**, Dublin S, Yu O, Bowles EJ, Anderson M, Crane PK, Larson EB. Proton pump inhibitor use is not associated with dementia risk (oral presentation). Alzheimer's Association International Conference (AAIC), July 2016, Toronto, Canada.

35. **Walker RL**, Wellman R. Basic biostatistics (instructional lecture). Epidemiology 101 educational series, Group Health Research Institute (GHRI), October 2015, Seattle, WA.
36. **Walker RL**, Zaslavsky O, Crane PK, Gray SL, Larson EB. Glucose levels and risk of frailty (oral presentation). 3rd Annual ACT Symposium, August 2015, Seattle, WA.
37. Gray SL, **Walker RL**, Golchin N, Marcum Z, et al. CNS medication use and risk of fall-related injuries (oral presentation). 3rd Annual ACT Symposium, August 2015, Seattle, WA.
38. Dublin S, **Walker RL**, Paul KJ. Anticholinergic medication use and risk of community-acquired pneumonia in older adults (poster). 31st International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2015, Boston, MA.
39. Nekhlyudov L, **Walker RL**, Ziebell R, Rabin B, Nutt S, Chubak J. Cancer survivors' experiences with insurance, employment and personal finances: results from a multi-site study (oral presentation). 2015 ASCO Annual Meeting, July 2015, Boston, MA.
40. Sonnen J, **Walker R**, Gray S, Crane PK, Montine TJ, Larson EB. Associations between cardioprotective doses of aspirin and dementia related neuropathology in the Adult Changes in Thought (ACT) study (poster). Alzheimer's Association International Conference (AAIC), July 2014, Copenhagen, Denmark.
41. Crane PK, **Walker R**, Gibbons LE, Melrose R, Hassenstab J, Sonnen J, Keene CD, Postupna N, Montine TJ, Larson EB. Associations between glucose levels and neuropathological endpoints among people never treated for diabetes: the Adult Changes in Thought Study (oral presentation). Alzheimer's Association International Conference (AAIC), July 2014, Copenhagen, Denmark.
42. Dublin S, Rutter C, **Walker R**. Collecting supplemental confounder information via two-phase designs (webinar). Mini-Sentinel Report to FDA, May 2014.
43. Dublin S, **Walker R**, Gray S, Anderson M, Yu O, Hubbard R, Crane P, Larson E. Opioid use and risk of dementia (oral presentation). 29th International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2013, Montreal, Canada.
44. **Walker R**, Haneuse S, Larson EB, Montine T, Sonnen J. Neuropathology-based risk scoring for dementia diagnosis in the elderly (oral presentation). ACT Symposium, August 2013, Seattle, WA.
45. Dublin S, Johnson K, **Walker R**, Getahun D, Andrade S, Avalos L, Beaton S, Davis R, Herrinton L, Pawloski P, Raebel M, Smith D, Toh D, Caughey A. Trends

in elective labor induction at 7 US health plans, 2001-2007 (poster). 18th Annual HMO Research Network Conference, May 2012, Seattle, WA.

46. Dublin S, **Walker RL**, Jackson ML, Nelson JC, Weiss NS, Jackson LA. Discrepant results in pneumonia studies using solely administrative data compared to medical record review (oral presentation). 27th International Conference on Pharmacoepidemiology (ICPE) and Therapeutic Risk Management, August 2011, Chicago, IL.
47. O'Hare A, **Walker R**, Haneuse S, Crane P, Larson E. Greater variability in renal function is associated with an increased risk of dementia in older adults (oral presentation). Alzheimer's Association International Conference on Alzheimer's Disease (AAICAD), July 2011, Paris, France.
48. Goldman LE, **Walker R**, Miglioretti DL, Smith-Bindman R, Kerlikowske K. Facility characteristics do not explain higher false positive rates in diagnostic mammography at facilities serving vulnerable women (oral presentation). AcademyHealth Annual Research Meeting (ARM), June 2011, Seattle, WA.
49. Dublin S, Baldwin E, **Walker RL**, Haug P, Carrell D, Chapman W. Accuracy of natural language processing to identify pneumonia from electronic radiology reports (oral presentation). HMO Research Network (HMORN) Conference, March 2011, Boston, MA.
50. Sonnen J, Larson E, **Walker R**, Haneuse S, Crane P, Gray S, Breitner J, Montine T. Non-steroidal anti-inflammatory drugs are associated with increased neuritic plaques (oral presentation). Alzheimer's Association International Conference on Alzheimer's Disease (AAICAD), July 2010, Honolulu, HI.
51. Kapp J, **Walker R**, Haneuse S, Yankaskas B. Do early screening mammography outcomes <age 40 adversely impact the timing of screening mammography ≥ 40 differentially by race (poster). 34th Annual Meeting of Society of Preventive Oncology (ASPO), March 20-23, 2010, Bethesda, MD. Cancer Epidemiology, Biomarkers & Prevention 2010; 19:894 (abstract).
52. Goldman LE, **Walker R**, Miglioretti DL, Smith-Bindman R, Kerlikowske K. Accuracy of diagnostic mammograms in facilities serving vulnerable women (poster). University of California-San Francisco (UCSF) Health Disparities Research Symposium III, October 2009, San Francisco, CA.
53. **Walker R**, Haneuse S. Adjustment for selection bias in constructing and evaluating prediction models, with application to autopsy studies of dementia (oral presentation). Statistical Society of Canada (SSC) Annual Meeting, June 2009, Vancouver, BC, Canada.
54. Farhat GN, **Walker R**, Buist DSM, Onega T, Kerlikowske K. Parallel declines in breast cancer incidence and hormone therapy use (oral presentation). Breast Cancer Surveillance Consortium (BCSC) Meeting, May 2009, San Francisco, CA.

55. **Walker R**, Haneuse S, Larson E, Montine T, Sonnen J. Neuropathology-based risk scoring for dementia diagnosis in the elderly (oral presentations). CPC Meeting, Veterans Affairs Medical Center, April 2009, Seattle, WA; Group Health Research Institute (GHRI) Scientific Seminar, March 2009, Seattle, WA.
56. Kane D, **Walker R**, Abraham L. Visual data checking (poster). 7th Annual Group Health Research Institute (GHRI) Information Technology Poster Session, October 15, 2008, Seattle, WA.
57. Buist DSM, **Walker R**, Clinton W, Bowles EJA, Kerlikowske K, Carney P, Onega T, Taplin SH, Miglioretti DL. Discontinuing postmenopausal hormone therapy is associated with increasing mammography (oral presentation). International Cancer Screening Network (ICSN) Biennial Meeting, June 2008, Helsingor, Denmark.
58. **Walker R**, Buist DSM. Hormone therapy, mammography, and breast cancer rates (oral presentations). Group Health Research Institute (GHRI) Scientific Seminar, February 2008, Seattle, WA; Breast Cancer Surveillance Consortium (BCSC) Meeting, April 2008, Seattle, WA.
59. Kerlikowske K, **Walker R**, Miglioretti DL, Desai A, Ballard-Barbash R, Buist DSM. Women with elevated body mass index at increased risk of breast cancer with a poor prognosis (poster). 30th Annual San Antonio Breast Cancer Symposium, December 13-16, 2007, San Antonio, TX.

PROFESSIONAL DEVELOPMENT WORKSHOPS

1. Data science workflows using R and Spark (Jim Harner), JSM, Vancouver, BC (Jul 29, 2018)
2. 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)
3. Statistical learning methods in R (Kelly Sue McConville), ASA Conference on Statistical Practice, Portland, OR (Feb 15, 2018)
4. 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)
5. Survival analysis in observational studies (Barbara McKnight), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jul 26, 2016)
6. Introduction to structural equation modeling and its applications (Yiu-Fai Yung), JSM, Seattle, WA (Aug 11, 2015)

7. Quantile regression in practice (Yonggang Yao), JSM, Seattle, WA (Aug 11, 2015)
8. 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)
9. Practical Bayesian computation (Fang Chen), JSM, Seattle, WA (Aug 9, 2015)
10. 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)
11. 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)
12. Practical data mining: challenges and solutions (Richard De Veaux), ASA Conference on Statistical Practice, New Orleans, LA (Feb 19, 2015)
13. 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)
14. Prognostic biomarker evaluation (Patrick Heagerty), University of Washington Summer Institute in Statistics for Clinical Research, Seattle, WA (Jun 25, 2014)
15. Bayesian Computation with R (Jim Albert), ASA Webinar (Jun 12, 2014)
16. Data mining (Robert Stine), Temple University Center City, Philadelphia, PA (Apr 5 - 6, 2013)
17. Current methods for evaluating prediction performance of biomarkers and tests (Margaret S. Pepe), University of Maryland, College Park, Silver Spring, MD (Oct 14, 2011)
18. Absolute risk prediction (Mitchell H. Gail, Ruth Pfeiffer), University of Maryland, College Park, Silver Spring, MD (Oct 12, 2011)
19. Regression modeling strategies (Frank E. Harrell, Jr.), Vanderbilt University, Nashville, TN (Mar 31 - Apr 2, 2010)
20. Missing data (Paul D. Allison), Temple University Center City, Philadelphia, PA (Apr 30 - May 1, 2010)

SERVICE

Grant development support	Ongoing
Volunteer for Youth Tutoring Program, CCS of Western WA	2016 – 2019

Member of KPWHRI Space Committee	2018 – 2019
Member of KPWHRI Biostatistician Search Committee	2018 – 2019
Reviewer – <i>Pharmacoepidemiology and Drug Safety</i>	2018
Performed AppV software testing for KPWA	2018
Volunteer on careers panel for high school students, KPWHRI	2018
Reviewer - <i>BMC Geriatrics</i>	2017 – 2018
Volunteer on careers panel for undergrad students, Seattle U	2017
Member of KPWHRI Equity Team	2016 – 2017
Reviewer - <i>BMJ open</i>	2016 – 2017
Consulting on K-award for UW Pharmacy faculty member	2016 – 2017
Guest presenter for GHRI RSS group: Statistical inference	2016
Consulting on Master's thesis for UW Epidemiology student	2015 – 2016
Presenter for GHRI Epi 101: Basic biostatistics	2015
Member of GHRI Biostatistician Search Committee	2014 – 2015
Reviewer - <i>Cancer</i>	2014
Member of GHRI Biostatistician Search Committee	2013 – 2014
Consulting on PhD dissertation for UW Social Work student	2013
Reviewer - AHRQ Multiple Chronic Conditions Network	2013

COMPUTING

SAS, R, Shiny, STATA, Amazon EC2