

CURRICULUM VITAE

Rod Landon Walker
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BIOGRAPHICAL INFORMATION

Rod L Walker, M.S.
Biostatistician II
Biostatistics Unit, Group Health Research Institute
1730 Minor Avenue, Suite 1600
Seattle, WA 98101

Phone: (206) 287-2895
Fax: (206) 287-2871
Email: walker.rl@ghc.org

EDUCATION

University of Washington, Seattle, WA
M.S. Biostatistics

Graduation: Oct 2007

University of Texas at Dallas, Richardson, TX
B.S. Mathematics

Graduation: May 1999

PROFESSIONAL POSITIONS

Group Health Research Institute, Seattle, WA
Biostatistician II
Biostatistician I
Research Assistant

Apr 2013 – Present
Oct 2007 – Apr 2013
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

AFFILIATIONS AND HONORS

Member of American Statistical Association
John Killion Memorial Teaching Award
Actuarial Sciences Associates Course 1 Exam
Eugene McDermott Scholar
Silver Anniversary Scholarship
Clark Research Fellowship

Awarded: 2005
Passed: 2004
Sep 1997 – May 1999
Sep 1995 – Aug 1997
Jun 1995 – Aug 1995

BIBLIOGRAPHY

Peer-reviewed research articles

1. Bowles EJ, Larson EB, Pong RP, **Walker RL**, Anderson ML, Yu O, Gray SL,

- Crane PK, Dublin S (in press). Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. *J Am Geriatr Soc*.
2. Von Korff M, Dublin S, **Walker RL**, Parchman M, Shortreed SM, Hansen RN, Saunders K (2015). The impact of opioid risk reduction initiatives on high-dose opioid prescribing for chronic opioid therapy patients. *J Pain*.
 3. Jones SM, Ziebell R, **Walker R**, Nekhlyudov L, Rabin BA, Nutt S, Fujii M, Chubak J (2015). Psychometric investigation of benefit finding among long-term cancer survivors using the Medical Expenditure Panel Survey. *Eur J Oncol Nurs*.
 4. Onega T, Goldman LE, **Walker RL**, Miglioretti DL, Buist DS, Taplin S, Geller BM, Hill DA, Smith-Bindman R (2015). Facility Mammography Volume in Relation to Breast Cancer Screening Outcomes. *J Med Screen*.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. 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.
 10. 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.
 11. 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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 scholarly publications

1. 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.
2. 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. **Walker RL**, Wellman R. Basic biostatistics (instructional lecture). Epidemiology 101 educational series, Group Health Research Institute (GHRI), October 2015, Seattle, WA.
2. **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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Dublin S, Rutter C, **Walker R**. Collecting supplemental confounder information via two-phase designs (webinar). Mini-Sentinel Report to FDA, May 2014.
9. 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.
10. **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.
11. 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.

12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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).
18. 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.
19. **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.
20. 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.

21. **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.
22. 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.
23. 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.
24. **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.
25. 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. Introduction to structural equation modeling and its applications (Yiu-Fai Yung), JSM, Seattle, WA (Aug 11, 2015)
2. Quantile regression in practice (Yonggang Yao), JSM, Seattle, WA (Aug 11, 2015)
3. 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)
4. Practical Bayesian computation (Fang Chen), JSM, Seattle, WA (Aug 9, 2015)
5. 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)
6. 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)

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

SERVICE

Consulting on Masters thesis for UW Epidemiology student	2015
Presenter for GHRI Epi 101: Basic biostatistics	Oct 2015
Member of GHRI Biostatistician Search Committee	2014 – 2015
Reviewer for <i>Cancer</i>	2014
Member of GHRI Biostatistician Search Committee	2013 – 2014
Consulting on PhD dissertation for UW Social Work student	2013
Reviewer for AHRQ Multiple Chronic Conditions Network	2013