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EDUCATION

Masters of Science in Biostatistics, 1996
University of Washington, Seattle WA

Bachelor of Arts in Mathematics and Physics (double major), 1992
Pomona College, Claremont, CA

EMPLOYMENT

Biostatistician III, Apr 2010- present
Group Health Research Institute, Seattle WA

Biostatistician II, 2003-Apr 2010
Group Health Research Institute, Seattle WA

Research Scientist, 2000-2003
Multi-Ethnic Study of Atherosclerosis Coordinating Center, Seattle, WA

Research Assistant, 1992-2000
Cardiovascular Health Study Coordinating Center, Seattle, WA

PEER-REVIEWED PUBLICATIONS

1. Bhadelia RA, **Anderson M**, Polak JF, Manolio TA, Beauchamp N, Knepper L, O'Leary DH. Prevalence and associations of MRI-demonstrated brain infarcts in elderly subjects with a history of transient ischemic attack. *Stroke*. 1999; 30(3):383-388.
2. Psaty BM, Furberg CD, Kuller LH, Cushman M, Savage PJ, Levine D, O'Leary DH, Bryan RN, **Anderson ML**, Lumley T. Association between blood pressure level and the risk of myocardial infarction, stroke, and total mortality: the cardiovascular health study. *Arch Intern Med*. 2001;161(9):1183-1192.
3. Knopp RH, Retzlaff B, Fish B, Walden C, Wallick S, **Anderson M**, Aikawa K, Kahn SE. Effects of insulin resistance and obesity on lipoproteins and sensitivity to egg feeding. *Arterioscler Thromb Vasc Biol*. 2003;23(8):1437-1443.
4. Li AE, Kamel I, Rando F, **Anderson M**, Kumbasar B, Lima JA, Bluemke DA. Using MRI to assess aortic wall thickness in the multiethnic study of atherosclerosis: distribution by race, sex, and age. *AJR Am J Roentgenol*. 2004;182(3):593-597.

5. Psaty BM, **Anderson M**, Kronmal RA, Tracy RP, Orchard T, Fried LP, Lumley T, Robbins J, Burke G, Newman AB, Furberg CD. The association between lipid levels and the risks of incident myocardial infarction, stroke, and total mortality: The Cardiovascular Health Study. *J Am Geriatr Soc*. 2004;52(10):1639-1647.
6. Buist DS, **Anderson ML**, Taplin SH, LaCroix AZ. The relationship between breast density and bone mineral density in postmenopausal women. *Cancer* 2004;101(9):1968-1976.
7. Detrano RC, **Anderson M**, Nelson J, Wong ND, Carr JJ, McNitt-Gray M, Bild DE. Coronary calcium measurements: effect of CT scanner type and calcium measure on rescan reproducibility – MESA Study. *Radiology* 2005;236(2): 477-484.
8. Bonomi AE, Thompson RS, **Anderson M**, Rivara FP, Holt VL, Carrell D, Martin DP. Ascertainment of intimate partner violence using two abuse measurement frameworks. *Inj Prev*. 2006; 2(2):121-124. PMID: PMC2564437.
9. Thompson RS, Bonomi AE, **Anderson M**, Reid RJ, Dimer JA, Carrell D, Rivara FP. Intimate partner violence: prevalence, types, and chronicity in adult women. *Am J Prev Med*. 2006;30(6):447-457.
10. Bonomi AE, Thompson RS, **Anderson M**, Reid RJ, Carrell D, Dimer JA, Rivara FP. Intimate partner violence and women’s physical, mental and social functioning. *Am J Prev Med* 2006;30(6):458-466.
11. Hirsch C, **Anderson ML**, Newman A, Kop W, Jackson S, Gottdiener J, Tracy R, Fried LP. The association of race with frailty: The Cardiovascular Health Study. *Ann Epidemiol*. 2006;16(7):545-553.
12. Johnston BD, Huebner CE, **Anderson ML**, Tyll LT, Thompson RS. Healthy Steps in an integrated delivery system: child and parent outcomes at 30-Months. *Arch Pediatr Adolesc Med*. 2006;160(8): 793-800.
13. Crest AB, Aiello EJ, **Anderson ML**, Buist DSM. Varying levels of family history of breast cancer in relation to mammographic breast density (United States). *Cancer Causes Control* 2006;17(6):843-850.
14. Rivara FP, **Anderson ML**, Fishman P, Bonomi AE, Reid RJ, Carrell D, Thompson RS. Healthcare utilization and costs for women with a history of intimate partner violence. *Am J Prev Med*. 2007;32(2):89-96.
15. Bonomi AE, **Anderson ML**, Thompson RS, Rivara FP. Prevalence of intimate partner violence in older women. *Gerontologist*. 2007;47(1):34-41.
16. Bonomi AE, **Anderson ML**, Rivara FP, Thompson RS. Health outcomes in women with physical and sexual intimate partner violence exposure. *J Women’s Health (Larchmt)*. 2007;16(7):987-997.
17. Ralston JD, Carrell D, Reid R, **Anderson M**, Moran M, Hereford J. Patient web services integrated with a shared medical record: Patient use and satisfaction. *J Am Med Inform Assoc*. 2007;14(6):798-806. PMID: PMC 2213480.
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19. Gray SL, **Anderson ML**, Crane PK, Breitner JCS, McCormick W, Bowen JD, Teri L, Larson E. Antioxidant Vitamin Supplement Use and risk of dementia or Alzheimer's disease in older adults. *J Am Geriatr Soc*. 2008;56(2):291-295.
20. Bonomi AE, **Anderson ML**, Rivara FP, Cannon EA, Fishman PA, Carrell D, Reid RJ, Thompson RS. Health care utilization and cost associated with childhood abuse. *J Gen Intern Med*. 2008;23(3):294-299. PMID: PMC2359481.
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23. Gates GA, **Anderson ML**, Feeney MP, McCurry SM, Larson EB. Central auditory dysfunction in older persons with memory impairment or Alzheimer dementia. *Arch Otolaryngol Head Neck Surg*. 2008;134(7):771-777.
24. Bonomi AE, Cannon EA, **Anderson ML**, Rivara FP, Thompson RS. Association between self-reported health and physical and/or sexual abuse experienced before age 18. *Child Abuse Negl*. 2008;32(7):693-701.
25. Grembowski DE, **Anderson ML**, Conrad DA, Fishman PA, Larson EB, Martin DP, Ralston JD, Carrell D, Hecht J. Evaluation of the group health cooperative access initiative: study design challenges in estimating the impact of a large-scale organizational transformation. *Qual Manag Health Care*. 2008;17(4):292-303.
26. Welsh ML, Buist DSM, Bowles EJA, **Anderson ML**, Elmore JG, Li CI. Population-based estimates of the relation between breast cancer risk, tumor subtype and family history. *Breast Cancer Res Treat*. 2009;114(3):549-558. PMID: PMC 2692346.
27. Conrad D, Fishman P, Grembowski D, Ralson J, Reid R, Martin D, Larson E, **Anderson M**. Access intervention in an integrated, prepaid group practice: effects on primary care physician productivity. *Health serv res*. 2008;43(5 Pt 2): 1888-1905. PMID: PMC2654163.
28. Bonomi AE, **Anderson ML**, Cannon EA, Slesnick N, Rodriguez MA. Intimate partner violence in Latina and non-Latina women. *Am J Prev Med*. 2009;36(1):43-48. PMID: PMC2791785.
29. Miglioretti DL, Haneuse SJ, **Anderson ML**. Statistical approaches for modeling radiologists' interpretive performance. *Acad Radiol*. 2009;16(2): 227-238. PMID: PMC2653267
30. Rivara FP, **Anderson ML**, Fishman P, Reid RJ, Bonomi AE, Carrell D, Thompson RS. Age, period, and cohort effects on intimate partner violence. *Violence Vict*. 2009;24(5):627-638.
31. Cannon AE, Bonomi AE, **Anderson ML**, Rivara FP, Thompson RS. The intergenerational transmission of witnessing intimate partner violence. *Arch Pediatr Adolesc Med*. 2009;163(8):706-708.
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33. Buist DSM, **Anderson ML**, Reed SD, Bowles EJA, Fitzgibbons ED, Gandara J, Seger D, Newton KM. Short-term hormone therapy suspension and mammography recall: a randomized trial. *Ann Intern Med*. 2009;150(11):752-765. PMID: PMC2803099.

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38. Cannon EA, Bonomi AE, **Anderson ML**, Rivara FP, Thompson RS. Adult health and relationship outcomes among women with abuse experiences during childhood. *Violence Vict*. 2010; 25(3):291-305.
39. Ichikawa LE, Barlow WE, **Anderson ML**, Taplin S, Geller B, Brenner RJ. Time trends in radiologists' interpretive performance at screening mammography from the community-based Breast Cancer Surveillance Consortium. 1996-2004. *Radiology*. 2010;256(1): 74-82. PMID: PMC2897687.
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45. Gates GA, **Anderson ML**, McCurry SM, Feeney MP, Larson EB. Central auditory dysfunction as a harbinger of Alzheimer's dementia. *Arch Otolaryngol Head Neck Surg*. 2011 Apr; 137(4): 390-5.
46. Liss DT, Chubak J, **Anderson ML**, Saunders KW, Tuzzio L, Reid RJ. Patient-reported care coordination: associations with primary care continuity and specialty care use. *Ann Fam Med*. 2011;9(4):323-329. PMID: PMC3133579.

47. Dublin S, **Anderson ML**, Haneuse SJ, Heckbert SR, Crane PK, Breitner JC, McCormick W, Bowen JD, Teri L, McCurry SM, Larson EB. Atrial fibrillation and risk of dementia: a prospective cohort study. *JAGS* 2011; Epub 2011 Aug 1
48. Lowry SJ, Aiello Bowles EJA, **Anderson ML**, Buist DSM. Predictors of breast density change after hormone therapy cessation: results from a randomized trial. *Cancer Epidemiol, Biomarkers Prev.* 2011;20(10):2309-2312. PMID: PMC3189299.
49. Tom SE, **Anderson ML**, Landis CA, Bowles EJA, Woods NF, Reed SD, Newton KM, Buist DSM. Sleep problems after short-term hormone therapy suspension: secondary analysis of a randomized trial. *Menopause.* 2011;18(11):1184-1190. PMID: PMC3203993.
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- cancer in a mammographically screened population. *Cancer Causes Control*. 2013;24(2):305-312. PMID: PMC3557530.
60. Green BB, Wang CY, **Anderson ML**, Chubak J, Meenan RT, Vernon SW, Fuller S. An automated intervention with stepped increases in support to increase uptake of colorectal cancer screening: a randomized trial. *Ann of Intern Med*. 2013;158(5 Pt 1): 301-311.
 61. Gray, SL, **Anderson ML**, Hubbard RA, LaCroix A, Crane PK, McCormick W, Bowen JD, McCurry SM, Larson EB. Frailty and incident dementia. *J Gerontol A Biol Sci Med Sci*. 2013;68(9):1083-1090. PMID: PMC3738027.
 62. Onega T, **Anderson ML**, Buist DSM, Geller B, Bogart A, Sickles EA, Miglioretti DL, Carney PA, Kerilkowske K, Monsees B, Yankaskas BC. Establishing a gold standard for a test set: variation in interpretive agreement of expert mammographers. *Acad Radiol*. 2013;20(6):731-739. PMID: PMC3741406.
 63. Bonomi E, **Anderson ML**, Nemeth J, Rivara FP, Buettner C. History of dating violence and the association with late adolescent health. *BMC Public Health*. 2013;13(1):821.
 64. Green BB, **Anderson ML**, Ralston JD, Catz SL, Cook AJ. Blood pressure 1 year after completion of web-based pharmacist care. *JAMA Intern Med*. 2013;173(13):1250-1252. PMID: PMC3938109
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 67. Bonomi AE, Trabert B, **Anderson ML**, Kernic MA, Holt VL. Intimate Partner Violence and Neighborhood Income: A Longitudinal Analysis. *Violence Against Women*. 2014 Jan; 20(1): 42-58. Epub 2014 Jan 28.
 68. Green BB, **Anderson ML**, Cook AJ, Catz S, Fishman PA, McClure JB, Reid R. e-Care for Heart Wellness: a feasibility trial to decrease blood pressure and cardiovascular risk. *Am J Prev Med* 2014 Apr; 46(4): 368-377.
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82. Green BB, **Anderson ML**, Chubak J, Fuller S, Meenan RT, Vernon SW. Impact of continued mailed fecal tests in the patient-centered medical home: Year 3 of the Systems of Support to Increase Colon Cancer Screening and Follow-up randomized trial. *Cancer* 2016 Jan 15; 122(2): 312-21. Epub 2015 Oct 21.
83. Aiello Bowles EJ, Larson EB, Pong RP, Walker RL, **Anderson ML**, Yu O, Gray SL, Crane PK, Dublin S. Anesthesia exposure and risk of dementia and Alzheimer's disease: a prospective study. *J Am Geriatr Soc.* 2016 Feb 11. [Epub ahead of print]
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87. Cherkin DC, Sherman KJ, Balderson BH, Cook AJ, **Anderson ML**, Hawkes RJ, Hansen KE, Turner JA. Effect of Mindfulness-Based Stress Reduction vs Cognitive Behavioral Therapy of Usual Care on Back Pain and Functional Limitations in Adults with Chronic Low Back Pain A Randomized Clinical Trial. *JAMA*. 2016 Mar 22-29; 315(12): 1240-9.
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