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Biostatistician I
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EDUCATION

Masters of Science in Biostatistics, 2008
University of Washington, Seattle WA

Bachelor of Arts in Mathematics and Economics, Concentration in Statistics
Saint Olaf College, Northfield MN

EMPLOYMENT

Biostatistician I, 2008 – Present
Group Health Research Institute, Seattle WA

Research Statistician, 2008
Department of Veterans Affairs, Seattle WA

Research Assistant, 2003 - 2007
Multi-Ethnic Study of Atherosclerosis Coordinating Center, Seattle WA

Teaching Assistant, 2002 - 2003
University of Washington Biostatistics Department, Seattle WA

Associate Market Analyst, 2001 - 2002
Fingerhut Corporation, Minnetonka MN

PEER-REVIEWED PUBLICATIONS

Green D, Cushman M, Dermond N, **Johnson EA**, Castro C, Arnett D, Hill J, Manolio TA. Obtaining informed consent for genetic studies: the multiethnic study of atherosclerosis. *Am J Epidemiol.* 2006 Nov 1;164(9):845-51. Epub 2006 Aug 23.

Owens DS, Katz R, **Johnson E**, Shavelle DM, Probstfield JL, Takasu J, Crouse JR, Carr JJ, Kronmal R, Budoff MJ, O'Brien KD. Interaction of age with lipoproteins as predictors of aortic valve calcification in the Multi-Ethnic Study of Atherosclerosis. *Arch Intern Med.* 2008 Jun 9;168(11):1200-7. doi: 10.1001/archinte.168.11.1200.

Koepsell TD, Kurland BF, Harel O, **Johnson EA**, Zhou XH, Kukull WA. Education, cognitive function, and severity of neuropathology in Alzheimer disease. *Neurology.* 2008 May 6;70(19 Pt 2):1732-9. Epub 2007 Dec 26.

Zhou XH, Lin H, **Johnson E**. Nonparametric heteroscedastic transformation regression models for skewed data with an application to health care costs. *J R Stat Soc Series B Stat Methodol*. 2008. 70:1029-47.

Reid RJ, Coleman K, **Johnson EA**, Fishman PA, Hsu C, Soman MP, Trescott CE, Erikson M, Larson EB. The Group Health medical home at year two: cost savings, higher patient satisfaction, and less burnout for providers. *Health Aff (Millwood)*. 2010;29(5):835-43.

Van Eaton EG, McDonough K, Lober WB, **Johnson EA**, Pellegrini CA, Horvath KD. Safety of using a computerized rounding and sign-out system to reduce resident duty hours. *Acad Med*. 2010 Jul;85(7):1189-95. doi: 10.1097/ACM.0b013e3181e0116f.

Reinke LF, Slatore CG, Udris EM, Moss BR, **Johnson EA**, Au DH. The association of depression and preferences for life-sustaining treatments in veterans with chronic obstructive pulmonary disease. *J Pain Symptom Manage*. 2011 Feb;41(2):402-11. Epub 2010 Dec 8.

Cook CR, Joo MJ, Anderson SM, Lee TA, Udris EM, **Johnson EA**, Au DH. The validity of using ICD-9 codes and pharmacy records to identify patients with chronic obstructive pulmonary disease. *BMC Health Serv Res*. 2011 Feb 16;11:37. doi: 10.1186/1472-6963-11-37.

Cherkin DC, Sherman KJ, Kahn J, Wellman R, Cook AJ, **Johnson E**, Erro JH, Delaney KM, Deyo RA. A comparison of the effects of 2 types of massage and usual care on chronic low back pain: a randomized, controlled trial. *Ann Intern Med*. 2011 Jul 5;155(1):1-9. doi: 10.7326/0003-4819-155-1-201107050-00002.

Coleman K, Reid RJ, **Johnson E**, Hsu C, Ross TR, Fishman P, Larson E. Implications of reassigning patients for the medical home: a case study. *Ann Fam Med*. 2010 Nov-Dec;8(6):493-8. doi: 10.1370/afm.1190.

Rutter CM, **Johnson E**, Miglioretti DL, Mandelson MT, Inadomi J, Buist DS. Adverse events after screening and follow-up colonoscopy. *Cancer Causes Control*. 2012 Feb;23(2):289-96. Epub 2011 Nov 22.

Hsu C, Coleman K, Ross TR, **Johnson E**, Fishman P, Larson E, Liss D, Trescott C, Reid RJ. Spreading a patient-centered medical home redesign: a case study. *J Ambul Care Manage*. 2012 Apr-Jun;35(2):99-108. doi: 10.1097/JAC.0b013e318249e066.

Fishman PA, Reid RJ, Larson EB, Coleman K, **Johnson EA**, Hsu C, Ross TR, Liss D, Tufano J. Impact on seniors of the patient centered medical home: evidence from a pilot study. *Gerontologist*. 2012 Oct;52(5):703-11. doi: 10.1093/geront/gnr158. Epub 2012 Mar 15.

Smith-Bindman R, Miglioretti DL, **Johnson E**, Lee C, Feigelson HS, Flynn M, Greenlee RT, Kruger RL, Hornbrook MC, Roblin D, Solberg LI, Vanneman N, Weinmann S, Williams AE. Use of diagnostic imaging studies and associated radiation exposure for patients enrolled in large integrated health care systems, 1996-2010. *JAMA*. 2012 Jun 13;307(22):2400-9. doi: 10.1001/jama.2012.5960.

Doubeni CA, Weinmann S, Adams K, Kamineni A, Buist DS, Ash AS, Rutter CM, Doria-Rose VP, Corley DA, Greenlee RT, Chubak J, Williams A, Kroll-Desrosiers AR, **Johnson E**, Webster J, Richert-Boe K, Levin TR, Fletcher RH, Weiss NS. Screening colonoscopy and risk of incident late-stage colorectal cancer diagnosis in average-risk adults: a nested case-control study. *Ann Intern Med.* 2013 Mar 5;158(5 Pt 1):312-20. doi: 10.7326/0003-4819-158-5-201303050-00003.

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Miglioretti DL, Zhang Y, **Johnson E**, Lee C, Morin R, Vanneman N, Smith-Bindman R. Safety in CT: personalized technologist dose audit feedback for reducing patient radiation exposure from computed tomography. *J Am Coll Radiol.* In Press.

Miglioretti DL, **Johnson E**, Williams A, Greenlee RT, Weinmann S, Solberg LI, Feigelson HS, Roblin D, Flynn MJ, Vanneman N, Smith-Bindman R. The use of computed tomography in pediatrics and the associated radiation exposure and estimated cancer risk. *JAMA Pediatr.* 2013 Jun 10;1-8. doi: 10.1001/jamapediatrics.2013.311.

Liss DT, Fishman PA, Rutter CM, Grembowski D, Ross TR, Johnson EA, Reid RJ. Outcomes among chronically ill adults in a medical home prototype. *Am J Manag Care.* 2013;19(10):e348-e358.

Hubbard RA, **Johnson E**, Hsia R, Rutter CM. The cumulative risk of false-positive fecal occult blood test after 10 years of colorectal cancer screening. *Cancer Epidemiol Biomarkers Prev.* 2013 Jul 18.

Rutter CM, **Johnson EA**, Feuer EJ, Knudsen AB, Kuntz KM, Schrag D. Secular trends in colon and rectal cancer relative survival. *J Natl Cancer Inst.* 2013 Oct 30.

Chubak J, Rutter CM, Kamineni A, **Johnson EA**, Stout NK, Weiss NS, Doria-Rose VP, Doubeni CA, Buist DS. Measurement in comparative effectiveness research. *Am J Prev Med.* 2013 May;44(5):513-9. doi: 10.1016/j.amepre.2013.01.006.

Reid RJ, **Johnson EA**, Hsu C, Ehrlich K, Coleman K, Trescott C, Erikson M, Ross TR, Liss DT, Cromp D, Fishman PA. Spreading a medical home redesign: effects on emergency department use and hospital admissions. *Ann Fam Med.* 2013 May-Jun;11 Suppl 1:S19-26. doi: 10.1370/afm.1476.