

Eric A. Johnson, MS

Biostatistician II

Kaiser Permanente Washington Health Research Institute
1730 Minor Avenue, Suite 1600
Seattle, WA 98101

Home Address:

5343 Tallman Ave NW Apt 542
Seattle WA, 98107

Tel. 206.287.2105

Eric.Johnson@kp.org

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 II, 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

1. 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.
2. 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.

3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. Doubeni CA, Fassil H, Adams K, Weinmann S, Doria-Rose P, Johnson E, Williams A, Corley DA.

17. The effects of clinical data source and adjudication on colonoscopy's indication classification and associations with incident late-stage colorectal cancer risk. *Am J Prev Med*. In Press.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. Reid RJ, Johnson EA, Hsu C, Ehrlich K, Coleman K, Trescott C, Erikson M, Ross TR, Liss DT, Crompton 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.
25. Miglioretti DL, Zhang Y, Johnson E, Lee C, Morin RL, Vanneman N, Smith-Bindman R.; Personalized technologist dose audit feedback for reducing patient radiation exposure from CT.; *J Am Coll Radiol*. 2014;11(3):300-8. doi: 10.1016/j.jacr.2013.10.017.
26. Wernli KJ, Hubbard RA, Johnson E, Chubak J, Kamineni A, Green BB, Rutter CM.; Patterns of colorectal cancer screening uptake in newly-eligible men and women. ; [Cancer Epidemiol Biomarkers Prev](#). 2014 Jul;23(7):1230-7. doi: 10.1158/1055-9965.EPI-13-1360. Epub 2014 May 3.
27. Adams KF, Johnson EA, Chubak J, Kamineni A, Doubeni CA, Buist DS, Williams AE, Weinmann S, Doria-Rose VP, Rutter CM. Development of an Algorithm to Classify Colonoscopy Indication from Coded Health Care Data. EGEMS (Wash DC). 2015 May 18;3(1):1171. doi: 10.13063/2327-9214.1171.
28. Crompton D, Hsu C, Coleman K, Fishman PA, Liss DT, Ehrlich K, Johnson E, Ross TR, Trescott C, Trehearne B, Reid RJ. Barriers and facilitators to team-based care in the context of primary care transformation. *J Ambul Care Manage*. 2015 Apr-Jun;38(2):125-33. doi: 10.1097/JAC.000000000000056.
29. Rutter CM, Greenlee RT, Johnson E, Stark A, Weinmann S, Kamineni A, Adams K, Doubeni CA. Prevalence of colonoscopy before age 50. *Prev Med*. 2015 Mar;72:126-9. doi: 10.1016/j.ympmed.2014.12.028. Epub 2015 Jan 4.
30. Chubak J, Hubbard RA, Johnson E, Kamineni A, Rutter CM. Assessing the effectiveness of a cancer screening test in the presence of another screening modality. *J Med Screen*. 2015 Jun;22(2):69-75. doi: 10.1177/0969141314562036. Epub 2014 Dec 9.
31. Rutter CM, Knudsen AB, Marsh TL, Doria-Rose VP, Johnson E, Pabiniak C, Kuntz KM, van Ballegooijen M, Zauber AG, Lansdorp-Vogelaar I.; Validation of models used to inform colorectal cancer screening guidelines: accuracy and implications.; *Med Decis Making*. 2016 Jan 8. pii: 0272989X15622642. [Epub ahead of print].

32. Simon GE, Coleman KC, Rossom R, Beck A, Oliver M, Johnson E, Whiteside U, Operskalski B, Penfold RB, Shortreed SM, Rutter C.; Risk of suicide attempt and suicide death following completion of the patient health questionnaire depression module in community practice.; *J Clin Psychiatry*. 2016 Feb;77(2):221-7. doi: 10.4088/JCP.15m09776.
33. Shortreed SM, Johnson EJ, Rutter CM, Kamineni A, Chubak J.; Cohort restriction based on prior enrollment: examining potential biases in estimating cancer risk.; *Obs Stud*. 2016 Sept;2:51-64.
34. Hsu CW, Hertel E, BlueSpruce J, Ross TR, Cheadle A, Johnson E, Matthys J, Ehrlich K, Coleman K, Tufte J, Robbins M, Fishman P.; Connecting primary care patients to community resources: lessons learned from the development of a new lay primary care team role.; *J Patient Cent Res Rev*. 2016;3:218.
35. Hubbard RA, Johnson E, Chubak J, Wernli K, Kamineni A, Bogart A, Rutter CM.; Accounting for misclassification in electronic health records-derived exposures using generalized linear finite mixture models.; *Health Serv Outcomes Res Methodol*. 2016 June 3. doi: 10.1007/s10742-016-0149-5. [Epub ahead of print].
36. Simon GE, Johnson E, Stewart C, Rossom RC, Beck A, Coleman KJ, Waitzfelder B, Penfold R, Operskalski BH, Shortreed SM. Does Patient Adherence to Antidepressant Medication Actually Vary Between Physicians? *J Clin Psychiatry*. 2017 Oct 24. pii: 16m11324. doi: 10.4088/JCP.16m11324. [Epub ahead of print]
37. Penfold RB, Stewart C, Simon GE, Shortreed SM, Johnson E, Rossom RC, Operskalski B, Beck A. Antidepressant Use by Youth with Minimal or Mild Depression: Evidence from 3 Health Systems. *Pediatr Qual Saf*. 2017;2(2). pii: e017. Epub 2017 Mar 22. No abstract available.
38. Simon GE, Shortreed SM, Johnson E, Beck A, Coleman KJ, Rossom RC, Whiteside US, Operskalski BH, Penfold RB. Between-visit changes in suicidal ideation and risk of subsequent suicide attempt. *Depress Anxiety*. 2017 Sep;34(9):794-800. doi: 10.1002/da.22623. Epub 2017 Apr 25.
39. Rossom RC, Coleman KJ, Ahmedani BK, Beck A, Johnson E, Oliver M, Simon GE. Suicidal ideation reported on the PHQ9 and risk of suicidal behavior across age groups. *J Affect Disord*. 2017 Jun;215:77-84. doi: 10.1016/j.jad.2017.03.037. Epub 2017 Mar 16.
40. Coleman KJ, Haneuse S, Johnson E, Bogart A, Fisher D, O'Connor PJ, Sherwood NE, Sidney S, Theis MK, Anau J, Schroeder EB, O'Brien R, Arterburn D. Long-term Microvascular Disease Outcomes in Patients With Type 2 Diabetes After Bariatric Surgery: Evidence for the Legacy Effect of Surgery. *Diabetes Care*. 2016 Aug;39(8):1400-7. doi: 10.2337/dc16-0194. Epub 2016 Jun 6.
41. Coleman KJ, Johnson E, Ahmedani BK, Beck A, Rossom RC, Shortreed SM, Simon GE. Predicting Suicide Attempts for Racial and Ethnic Groups of Patients During Routine Clinical Care. *Suicide Life Threat Behav*. 2018 Mar 24. doi: 10.1111/sltb.12454.
42. Simon GE, Johnson E, Lawrence JM, Rossom RC, Ahmedani B, Lynch FL, Beck A, Waitzfelder B, Ziebell R, Penfold RB, Shortreed SM. Predicting Suicide Attempts and Suicide Deaths Following Outpatient Visits Using Electronic Health Records. *Am J Psychiatry*. 2018 Oct 1;175(10):951-960. doi: 10.1176/appi.ajp.2018.17101167. Epub 2018 May 24.
43. Chang E, Buist DSM, Handley M, Johnson E, Fuller S, Pardee R, Gundersen G, Reid RJ. Primary care physician resource use changes associated with feedback reports. *Am J Manag Care*. 2018 Oct;24(10):455-461.
44. Smith-Bindman R, Puder L, Johnson E, Miglioretti DL. Risk of Malignant Ovarian Cancer Based on Ultrasonography Findings in a Large Unselected Population. *JAMA Intern Med*. 2018 Nov 12. doi: 10.1001/jamainternmed.2018.5113. [Epub ahead of print]

45. Fisher DP, Johnson E, Haneuse S, Arterburn D, Coleman KJ, O'Connor PJ, O'Brien R, Bogart A, Theis MK, Anau J, Schroeder EB, Sidney S. Association Between Bariatric Surgery and Macrovascular Disease Outcomes in Patients With Type 2 Diabetes and Severe Obesity. *JAMA*. 2018 Oct 16;320(15):1570-1582. doi: 10.1001/jama.2018.14619. Erratum in: *JAMA*. 2018 Dec 11;320(22):2381.
46. O'Brien R, Johnson E, Haneuse S, Coleman KJ, O'Connor PJ, Fisher DP, Sidney S, Bogart A, Theis MK, Anau J, Schroeder EB, Arterburn D. Microvascular Outcomes in Patients With Diabetes After Bariatric Surgery Versus Usual Care: A Matched Cohort Study. *Ann Intern Med*. 2018 Sep 4;169(5):300-310. doi: 10.7326/M17-2383. Epub 2018 Aug 7.
47. Hsu C, Hertel E, Johnson E, et al. Evaluation of the learning to integrate neighborhoods and clinical care project: Findings from implementing a new lay role into primary care teams to address social determinants of health. *Perm J* 2018;22:18-101. DOI: <https://doi.org/10.7812/TPP/18-101>

PAPERS IN PROGRESS

MHRN: Suicide prediction among adolescents (Penfold)

NLP4MCI: Identifying enrollees at risk of MCI using NLP processes (Penfold)

PROUD: OUD by site (Boudreau)

PROUD: HIV/HCV (Tsui)

PROUD: Adolescent (Bagley)

PROUD: Gender and SUD (Barbosa-Leiker)

PROUD: OUD Treatment (Lapham)

PROUD: Pain (Thakral)

Addiction Research: Substance use (Matson)

DURABLE: Weight loss after bariatric surgery (Arterburn)

DURABLE: Kidney outcomes after bariatric surgery (Coleman)

Opioids 3B: Main Results (Carrell)

Opioids 3B: Chart Review (Carrell)

OTHER PUBLICATION-RELATED ACTIVITIES

Providing assistance for implementing MH suicide risk prediction models into EPIC.