

Jeffrey P. Anderson

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Curriculum
Vitae

Last Updated:
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Summary

- Research Investigator with 16 years of experience and training in epidemiology.
- Fluency in SAS and R programming languages.
- Skilled in analysis of observational cohorts, including longitudinal analysis, comparative effectiveness, machine learning, and causal inference.
- Strong writing and presentation skills.
- Established record of publication.
- Experience in teaching, mentorship, and management.
- Familiarity with electronic health records, claims, clinical trial, and cohort data.

Professional Experience

HealthPartners Institute, Bloomington, MN <i>Research Investigator</i>	2016 – present
GNS Healthcare, Cambridge, MA <i>Manager, Health Economics & Outcomes Research (2015).</i> <i>Senior Epidemiologist</i>	2012-2016
Center for Biostatistics in AIDS Research, Harvard School of Public Health, Boston, MA <i>Epidemiologist</i>	2003-2006
Iowa Women's Health Study, University of Minnesota, Minneapolis, MN <i>Research Assistant</i>	2002-2003
Minnesota Department of Health, Minneapolis, MN <i>Student Paraprofessional</i>	2002-2003



Education

Doctor of Science (ScD), Harvard University, Boston, MA

2012

Major: Epidemiology. *Minor:* Biostatistics.

Dissertation: "Treatment Effects on Progression of Liver Disease in HIV- and Hepatitis C Virus-Coinfected Individuals"

Master of Public Health (MPH), University of Minnesota, Minneapolis, MN

2003

Major: Epidemiology.

Thesis: "Phenotypic CYP2A6 Variation and the Risk of Pancreatic Cancer."

Bachelor of Science (BS), University of Minnesota, Minneapolis, MN

1999

Major: Genetics and Cell Biology.

Skills

Statistical Programming Languages: SAS, R, Stata

Computing Environments: Apple iOS, Windows, UNIX

Software: Microsoft Office (Word, PowerPoint, Excel), Omnigraffle, PASS (Power and Sample Size)

Teaching Experience

▪ **Harvard University, Boston, MA**

2004-2012

- Epidemiologic Analysis of Cohort & Case-Control Studies
- Applied Epidemiologic Analysis for Clinicians
- Principles of Epidemiology
- Introduction to SAS Programming
- Introduction to Biostatistics

▪ **University of Minnesota, Minneapolis, MN**

2003

- Fundamentals of Epidemiology
- Cancer Epidemiology

Publications & Abstracts

- ★ Onizuka N, **Anderson JP**, Gilbertson JA, MacCormick LM, Cole PA. Displacement of diaphyseal clavicle fractures related to patient position, and progressive displacement in the peri-injury period. *Journal of Shoulder and Elbow Surgery* 2018; [in press].
- ★ Woster CM, Zwank MD, Pasquarella JR, Wewerka SS, **Anderson JP**, Greupner JT, Motalib S. Placement of a cervical collar increases the optic nerve sheath diameter in healthy adults. *American Journal of Emergency Medicine* 2018; [in press].
- ★ Sperl-Hillen JA, **Anderson JP**, Desai JR, Margolis KM, Crain AL, O'Connor PJ. A comparison of the impact of the 2017 ACC/AHA hypertension guideline on primary care populations with and without diabetes. Abstract under review for the 78th Scientific Sessions of the American Diabetes Association, June 2018, Orlando, FL.
- ★ O'Connor PJ, Scmittdiel J, Reynolds K, Schroeder E, Desai J, Ho M, Vazquez-Benitez G, **Anderson JP**, Dyer W, Loes L, Neugebauer R. Impact of human versus analog insulins on occurrence of death and major cardiovascular events. Abstract under review for the 78th Scientific Sessions of the American Diabetes Association, June 2018, Orlando, FL.
- ★ **Anderson JP**, Sperl-Hillen JM, Crain AL, Desai JR, Margolis KL, Ekstrom HL, O'Connor PJ. Variation in patterns of care related to control of cardiovascular risk factors across primary care providers. Poster abstract to be presented at the 2018 Meeting of the Health Care Systems Research Network, April 2018, Minneapolis, MN.
- ★ Tatro JM, McCreary DL, **Anderson JP**, Schroder LK, Cole PA. Radiographic and clinical significance of patient perception of shoulder deformity following scapula fracture. Poster abstract to be presented at the 2018 Meeting of the Orthopaedic Research Society, March 2018, New Orleans, LA.
- ★ Isenberger K, Burnett A, **Anderson J**, et al. Pre-hospital lactate: a severity indicator in early sepsis management. Oral abstract presented at the 2018 Meeting of the National Association of EMS Physicians, January 2018, San Diego, CA.
- ★ Frascone RJ, **Anderson J**, Wewerka S. BIS: bispectral index monitoring for patients during out-of-hospital cardiac arrest. Poster abstract presented at the 2018 Meeting of the National Association of EMS Physicians, January 2018, San Diego, CA.
- ★ **Anderson JP**, Icten Z, Alas V, Benson C, Joshi K. Comparison and predictors of treatment adherence and remission among patients with schizophrenia treated with paliperidone palmitate or atypical oral antipsychotics in community behavioral health organizations. *BMC Psychiatry* 2017; 17:346.
- ★ Myeroff CM, **Anderson JP**, Sveom DS, Switzer JA. Predictors of mortality in elder patients with proximal humeral fracture. *Geriatric Orthopaedic Surgery & Rehabilitation* 2017; doi: 10.1177/2151458517728155.
- ★ Westgard BC, **Anderson JP**, Nakagaki KN, Zagar A, Wewerka S, Kaye KL. A randomized trial of emergency department (ED) dental care vouchers to improve care and reduce return visits. Abstract presented at the 2017 Meeting of the Society for Academic Emergency Medicine, May 2017, Orlando, FL.
- ★ Renner J, **Anderson JP**, Katz AS, Ziegenfuss JY. Effects of initial contact letter content and enclosures on survey response rate. Poster abstract presented at the American Association for Public Opinion Research Annual Conference, May 2017, New Orleans, LA.



- ★ Renner J, Katz AS, **Anderson JP**, McCann P, Kottke TE, Ziegenfuss JY. Developing patient-centered health education materials: the case of safe fish consumption. Oral abstract presented at the 21st Annual Minnesota Health Services Research Conference, March 2017, St. Paul, MN.
- Hegerova L, **Anderson JP**, Morton CT. A systems-based approach to improve fibrinogen testing and treatment of low fibrinogen in patients receiving massive transfusions: a quality improvement initiative. *Blood* 2016; 128(22):2335.
- Thai N, Wei LJ, **Anderson J**, et al. Novel predictive modeling identifies and quantifies factors that predict the risk of hypoglycemia in patients with type 2 diabetes. Poster abstract presented at Academy of Managed Care Pharmacy Nexus, October 2016, National Harbor, MD.
- **Anderson JP**, Parikh JR, Shenfeld DK et al. Reverse-engineering and evaluation of prediction models for progression to type 2 diabetes: an application of machine learning using electronic health records. *Journal of Diabetes Science & Technology* 2016; 10:6-18.
- **Anderson JP**, Joshi K, Icten Z, Alas V. Treatment patterns among schizophrenia patients on paliperidone palmitate or atypical oral antipsychotics in community behavioral health organizations. Poster abstract presented at the 28th U.S. Psychiatric & Mental Health Congress, September 2015, San Diego, CA.
- Icten Z, Joshi K, **Anderson J**, Alas V. Predictors of remission in schizophrenia patients treated with paliperidone palmitate or oral antipsychotics in the outpatient setting. Poster abstract presented at the 28th U.S. Psychiatric & Mental Health Congress, September 2015, San Diego, CA.
- **Anderson JP**, Horsburgh CR, Williams PL et al. CD4 recovery on antiretroviral therapy is associated with decreased progression to liver disease among hepatitis C virus-infected injecting drug users. *Open Forum Infectious Diseases* (Winter 2015); 2(1):doi:10.1093/ofid/ofv019.
- **Anderson JP**, Parikh JR, Shenfeld DK et al. Identification of determinants of progression to type 2 diabetes using electronic health records and 'big data' analytics. Poster abstract presented at the 19th International Meeting of the International Society for Pharmacoeconomics and Outcomes Research, May 2014, Montreal, Canada.
- **Anderson JP**, Tchetgen Tchetgen EJ, Lo Re V III et al. Antiretroviral therapy reduces the rate of hepatic decompensation among HIV- and hepatitis C virus-coinfected veterans. *Clinical Infectious Diseases* 2014; 58(5):719-27.
- Schieffelin JS, Williams PL, Djokic D, **Anderson JP** et al. Central nervous system vasculopathy in HIV-infected children enrolled in the Pediatric AIDS Clinical Trials Group 219/219C study. *Journal of the Pediatric Infectious Diseases Society* 2013; 2(1):50-6.
- **Anderson JP**, Tchetgen Tchetgen EJ, Seage GR et al. A marginal structural model analysis of combination antiretroviral therapy and hepatic decompensation in HIV and HCV coinfecting veterans. Oral abstract presented at the 16th International Workshop on HIV Observational Databases, March 2012, Athens, Greece.
- Kadlubar S, **Anderson JP**, Sweeney C et al. Phenotypic CYP2A6 variation and the risk of pancreatic cancer. *Journal of the Pancreas* 2009; 10(3):263-70.
- Levin MJ, **Anderson JP**, Seage GR, Williams PL. Short-term and long-term effects of highly active antiretroviral therapy on the incidence of herpes zoster in HIV-infected children. *Journal of Acquired Immune Deficiency Syndromes* 2009; 50(2):182-91.



- Evans SR, Wang R, Yeh TM, **Anderson J** *et al.* Evaluation of distance learning in an "Introduction to Biostatistics" class: a case study. *Statistics Education Research Journal* 2007; 6(2):59-77.
- **Anderson J**, Levin M, Williams P, *et al.* Incidence and predictors of herpes zoster in pediatric HIV in the HAART era. *13th Conference on Retroviruses and Opportunistic Infections*, February 2006, Denver, CO.
- **Anderson JP**, Ross JA, Folsom AR. Anthropometric variables, physical activity, and incidence of ovarian cancer: the Iowa Women's Health Study. *Cancer* 2004; 100(7):1515-21.
- Folsom AR, **Anderson JP**, Ross JA. Estrogen replacement therapy and ovarian cancer. *Epidemiology* 2004; 15(1):100-4.

★ Works published or completed in 2017.