




Jacqueline Ferguson

Postdoctoral Research Fellow, General Internal Medicine

 NIH Biosketch available Online

 Curriculum Vitae available Online

Bio

BIO

Dr. Jacqueline Ferguson is a postdoctoral research fellow working with Dr. David Rehkopf at the Center for Population Health Sciences at Stanford and Dr. Donna Zulman through the Big Data-Scientist Training Enhancement Program (BD-STEP) at the Palo Alto VA.

She specializes in using secondary data sources such as occupational records, insurance claims, and electronic health records to study the relationship between environmental and social exposures and population health. Her research interests are widespread, but all center around methodology to handle time-varying exposures affected by prior exposure and methodology to account for multiple co-exposures or exposure mixtures.

Jacqueline's doctoral research examined the impact of specific components of shift work on worker health, and identified night and rotational work as risk factors for hypertension and Type II diabetes. As a postdoc and BD-STEP fellow, Jacqueline is applying methodology, primarily developed for assessing chemical mixtures in environmental epidemiology, to examine co-occurring social determinants of health. Her research seeks to understand how multiple social determinants of health can simultaneously influence veteran care and health within the Veterans Health Administration.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Berkeley , Environmental Health (2019)
- Master of Health Science, Johns Hopkins Bloomberg School of Public Health , Environmental Health Sciences (2013)
- Bachelor of Arts, Johns Hopkins University , Public Health Studies (2012)

STANFORD ADVISORS

- David Rehkopf, Postdoctoral Faculty Sponsor
- David Rehkopf, Postdoctoral Research Mentor

Research & Scholarship

RESEARCH INTERESTS

- Data Sciences

Publications

PUBLICATIONS

- **Virtual Care Expansion in the Veterans Health Administration During the COVID-19 Pandemic: Clinical Services and Patient Characteristics Associated with Utilization.** *Journal of the American Medical Informatics Association : JAMIA*

Ferguson, J. M., Jacobs, J., Yefimova, M., Greene, L., Heyworth, L., Zulman, D. M.

2020

- **Expanding Access through Virtual Care: The VA's Early Experience with Covid-19** *NEJM Catalyst Innovations in Care Delivery*
Heyworth, L., Kirsh, S., Zulman, D., Ferguson, J. M., Kizer, K. W.
2020
- **Night and rotational work exposure within the last 12 months and risk of incident hypertension**
Ferguson, J. M., Costello, S., Neophytou, A. M., Balmes, J. R., Bradshaw, P. T., Cullen, M. R., Eisen, E. A.
SCANDINAVIAN JOURNAL WORK ENVIRONMENT & HEALTH.2019: 256–66
- **The Healthy Worker Survivor Effect: Target Parameters and Target Populations.** *Current environmental health reports*
Brown, D. M., Picciotto, S., Costello, S., Neophytou, A. M., Izano, M. A., Ferguson, J. M., Eisen, E. A.
2017; 4 (3): 364–72
- **Chronic obstructive pulmonary disease mortality: The Diesel Exhaust in Miners Study (DEMS).** *Environmental research*
Ferguson, J. M., Costello, S., Elser, H., Neophytou, A. M., Picciotto, S., Silverman, D. T., Eisen, E. A.
2019: 108876
- **Biomarkers of Secondhand Smoke Exposure in Waterpipe Tobacco Venue Employees in Istanbul, Moscow, and Cairo.** *Nicotine & tobacco research : official journal of the Society for Research on Nicotine and Tobacco*
Moon, K. A., Rule, A. M., Magid, H. S., Ferguson, J. M., Susan, J., Sun, Z., Torrey, C., Abubaker, S., Levshin, V., Çarkoglu, A., Radwan, G. N., El-Rabbat, M., Cohen, et al
2018; 20 (4): 482–91
- **An analysis of purchase price of legal and illicit cigarettes in urban retail environments in 14 low- and middle-income countries.** *Addiction (Abingdon, England)*
Brown, J., Welding, K., Cohen, J. E., Cherukupalli, R., Washington, C., Ferguson, J., Clegg Smith, K.
2017; 112 (10): 1854–60
- **Do cigarette health warning labels comply with requirements: A 14-country study.** *Preventive medicine*
Cohen, J. E., Brown, J., Washington, C., Welding, K., Ferguson, J., Smith, K. C.
2016; 93: 128–34
- **A closer look at 'Cheap White' cigarettes.** *Tobacco control*
Ross, H., Vellios, N., Clegg Smith, K., Ferguson, J., Cohen, J. E.
2016; 25 (5): 527–31
- **Comparison of Culture-Based Methods for Identification of Colonization with Methicillin-Resistant and Methicillin-Susceptible Staphylococcus aureus in the Context of Cocolonization.** *Journal of clinical microbiology*
Davis, M. F., Hu, B., Carroll, K. C., Bilker, W. B., Tolomeo, P., Cluzet, V. C., Baron, P., Ferguson, J. M., Morris, D. O., Rankin, S. C., Lautenbach, E., Nachamkin, I.
2016; 54 (7): 1907–11
- **Secondhand smoke in waterpipe tobacco venues in Istanbul, Moscow, and Cairo.** *Environmental research*
Moon, K. A., Magid, H., Torrey, C., Rule, A. M., Ferguson, J., Susan, J., Sun, Z., Abubaker, S., Levshin, V., Çarko#lu, A., Radwan, G. N., El-Rabbat, M., Cohen, et al
2015; 142: 568–74
- **The Tobacco Pack Surveillance System: A Protocol for Assessing Health Warning Compliance, Design Features, and Appeals of Tobacco Packs Sold in Low- and Middle-Income Countries.** *JMIR public health and surveillance*
Smith, K., Washington, C., Brown, J., Vadnais, A., Kroart, L., Ferguson, J., Cohen, J.
2015; 1 (2): e8
- **Anatomical patterns of colonization of pets with staphylococcal species in homes of people with methicillin-resistant Staphylococcus aureus (MRSA) skin or soft tissue infection (SSTI).** *Veterinary microbiology*
Iverson, S. A., Brazil, A. M., Ferguson, J. M., Nelson, K., Lautenbach, E., Rankin, S. C., Morris, D. O., Davis, M. F.
2015; 176 (1-2): 202–8