

## Post-doctoral Associate

The Division of Biostatistics & Health Data Science (BHDS) in the School of Public Health at the University of Minnesota is seeking applications for a full-time Post-Doctoral Associate position. The Post-Doc will work with Dr. Joe Koopmeiners (<https://directory.sph.umn.edu/bio/sph-a-z/joseph-koopmeiners>), Dr. David Vock (<https://directory.sph.umn.edu/bio/sph-a-z/david-vock>), and their collaborators, and will be a member of the Minnesota Complex Innovative Design Research Lab (M-CIDeR; <https://sites.google.com/umn.edu/m-cider/home>). Research will focus on developing, implementing, and applying novel statistical methods for causal inference motivated by tobacco regulatory science, with a specific focus of understanding the public health impact of a nationwide nicotine standard for cigarettes. Specific topics include detecting and evaluating treatment effect heterogeneity, causally interpretable meta-analysis, data integration, and sensitivity analysis. The successful candidate will also have the opportunity to collaborate on the implementation of and methodological development of complex, innovative clinical trial designs through M-CIDeR. Specific responsibilities will include theoretical development, simulation studies, data analysis, interpretation of results, presentation of results, and manuscript preparation.

BHDS (<https://www.sph.umn.edu/academics/divisions/biostatistics/>) currently includes 35 faculty members and 61 staff. Faculty regularly publish in the top methodological journals across all major biostatistical research areas, including causal inference, clinical trials, statistical genetics, bioinformatics, genomics and proteomics, analysis of spatial and longitudinal data, biomedical imaging, survival analysis, meta-analysis and data synthesis, and mobile health. Division faculty are active in a wide range of collaborative research projects including high-profile studies of cancer, cardiovascular disease, infectious disease, dentistry and periodontology, psychiatry/psychology, transplantation, chronic and neurodegenerative diseases, and tobacco control. The Division's Coordinating Center for Biometric Research (CCBR; <https://ccbr.biostat.umn.edu/>) is considered a field leader in clinical trial coordination and has been instrumental in designing and executing seminal vaccine and treatment trials in HIV/AIDS, Ebola, influenza, and COVID-19. Several Division faculty have leadership roles in major cross-disciplinary initiatives, including the Biostatistical Design and Analysis Center (BDAC) of the Clinical and Translational Science Institute and the Biostatistics Core of the Masonic Cancer Center (<https://ctsi.umn.edu/services/statistical-support/biostatistical-support>), the Analytics Core of the Masonic Institute for the Developing Brain (<https://midb.umn.edu/research/analytics>), the Innovative Methods and Data Science (<https://med.umn.edu/clhss/activities/imds>) and RapidEval Programs (<https://med.umn.edu/clhss/activities/rapideval>) in the Center for Learning Health Systems Sciences, and the Genomics Data Commons (<https://www.sph.umn.edu/research/centers/genomic-data-commons/>).

The School of Public Health (SPH) is committed to antiracism and anti-oppression and welcomes you to join us in our pursuit of building equity and driving justice. We particularly encourage applications from those who belong to groups that have been historically underrepresented in our School, including those who are American Indian, Black, Indigenous, and people of color, those with disabilities, veterans, and those from LGBTQIA+ communities.

**Starting Date:** Negotiable - the position will remain open until filled.

**Duration:** This annually renewable appointment is for 1-2 years, possibly extendable to year 3, conditional on satisfactory performance and funding availability.

**Salary range:** \$65,000 - \$75,000

### Qualifications

#### Required Qualifications:

- PhD in biostatistics, statistics, or a related discipline

Preferred Qualifications:

- Prior research in causal inference or innovative trial design and analysis

**Questions?** Inquiries are welcome and should be directed (preferably along with CV) to Dr. Koopmeiners (koopm007@umn.edu) and Dr. Vock (vock@umn.edu) by email.

**How to apply?**

Applicants should submit a cover letter and curriculum vitae online using the following links:

External applicants: <https://hr.myu.umn.edu/jobs/ext/366523>

Internal applicants: <https://hr.myu.umn.edu/jobs/int/366523>

The University of Minnesota offers a comprehensive benefits package. For more information visit:  
<https://hr.umn.edu/Jobs/Applicant-Center/About-Working-U/Benefits-Working-U-M>

*The University of Minnesota is an equal opportunity educator and employer.*