The Biostatistics Unit at Kaiser Permanente Washington Health Research Institute (KPWHRI) is seeking a postdoctoral fellow to engage in biostatistical and collaborative research activities under the mentorship of Drs. Andrea Cook and Jennifer Nelson. Using electronic health data from health care delivery systems, applicants will have the opportunity to conduct methodological research to improve the conduct of pragmatic trials and complex observational studies and to collaborate on interdisciplinary research teams. The specific scientific and biostatistical questions addressed will depend on the candidate’s expertise and interest and may include: 1) What statistical approach should be used in a multi-site cluster randomized back pain trial to estimate treatment effects that are robust to model misspecification?; 2) Can we modify existing correlated data methods to better understand individual and environmental factors that predict or modify trajectories of body weight?; 3) What adaptations of trial-based sequential methods are needed to make causal inference for survival outcomes in a post-marketing drug safety surveillance setting? 4) How can we integrate electronic health data within a traditional cohort design in order to characterize how multiple risk factors are associated with risk of dementia and Alzheimer’s disease? The successful candidate will be encouraged to publish in peer-reviewed journals and present at scientific meetings. To learn more about our ongoing research and methods, please visit www.kpwashingtonresearch.org.

KPWHRI (formerly Group Health Research Institute) is an internationally recognized research organization that conducts practical epidemiologic, health services, behavioral and clinical research to improve health and health care. Our research is non-proprietary, funded through federal and private grants and contracts totaling ~$50 million annually. KPWHRI’s position within Kaiser Permanente Washington (www.kp.org/wa), a not-for-profit health care delivery system in the Pacific Northwest, provides a natural laboratory to leverage healthcare data to study important health issues through clinical trials and observational studies. KPWHRI has a faculty of over 35 doctorate-level scientists trained in medicine, epidemiology, behavioral science, economics, and biostatistics. The Biostatistics Unit includes 6 PhD biostatistician investigators and 7 MS biostatisticians. Areas of health research emphasis include cancer prevention, chronic pain, behavioral medicine, pharmacoepidemiology, and aging. KPWHRI is an active member of a vibrant regional research community that includes the University of Washington, the Fred Hutchinson Cancer Research Center, and the Seattle Veterans’ Affairs Medical Center.

Applicants should have a PhD degree in biostatistics or statistics, a passion for methodological inquiry grounded in collaborative interdisciplinary research, and strong communications skills. Review of applications will begin immediately and continue until the position is filled. The initial appointment will be for one year, with possible extension for a second year. Salary will be commensurate with qualifications. To Apply: Send a research statement, CV, and the names and contact information for three references to Jennifer Nelson, PhD (nelson.jl@ghc.org). Additional application procedures may be required. Kaiser Permanente is an affirmative action, equal opportunity employer.