

## Postdoctoral Fellow Harvard University

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Posted May 3, 2021, set to expire Sep. 2, 2021

<b>Job Title</b>	Postdoctoral Fellow
<b>Department</b>	Center for Population and Development Studies
<b>Institution</b>	Harvard University Cambridge, Massachusetts
<b>Date Posted</b>	May 3, 2021
<b>Application Deadline</b>	Jun. 30, 2021
<b>Position Start Date</b>	immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Social Sciences - General
<b>Job Website</b>	<a href="https://www.hsph.harvard.edu/population-development/about-us/harvard-pop-center-job-openings/">https://www.hsph.harvard.edu/population-development/about-us/harvard-pop-center-job-openings/</a>
<b>Apply By Email</b>	<a href="mailto:popcenter@hsph.harvard.edu">popcenter@hsph.harvard.edu</a>

### Job Description

The Harvard Center for Population and Development Studies (HCPDS) seeks a full-time, PhD-level Postdoctoral Research Fellow to work on a Bill & Melinda Gates Foundation funded-project entitled “Burden of Disease and Deprivation in India across Micro and Macro Public Policy Units” led by Harvard T.H. Chan School of Public Health Professor S.V. Subramanian and Korea University Assistant Professor Rockli Kim. The overarching goal of this project is to improve precision public policy, public financing, and governance in India related to indicators of population health and development. Specifically, the project aims to achieve this goal by: 1) Data collation and analytics; 2) The development of web-based intelligent public data and analytics platform; and 3) Knowledge translation and dissemination.

The Postdoctoral Research Fellow will lead scientific investigations primarily using the database we constructed on multiple sources of population health and development data geocoded to micro and

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macro public policy units in India. The desired candidate will have a doctorate in data science, public health, or related fields, and will have extensive experience with manuscript writing and data analysis using large population-based data sets. Experience of working with Indian data sets (e.g. Census, National Family Health Surveys) is required. The candidate must have advanced skills in coding, GIS, and statistical modeling, including analyzing correlated data (eg, multilevel, spatial). Knowledge of geospatial analysis and machine learning is desirable.

**Primary responsibilities:** The position will be primarily responsible for advancing scientific investigations on issues related to population health, nutrition and development in India. Duties include conceptualizing and designing novel scientific research ideas; performing literature review; conducting data analysis using the constructed database and possibly linking to an external data source; producing tables, charts, graphs for data summary; providing clear analytic interpretations; writing manuscripts as first author; and contributing to grant proposals if needed. The Postdoctoral Research Fellow will work closely with the PIs and the entire research team.

### Required qualifications:

- Ph.D. in statistics, data science, computer science, public health, social sciences or related field with strong focus on quantitative methods.
- At least 2 years of work experience with data analysis and scientific writing.
- Previous experience conducting research pertaining to India is required.
- High level of statistical programming in large data sets is required.
- Advanced expertise in statistical regression modeling, including analysis of correlated data (eg., multilevel, spatial), and GIS is required. Basic understanding of geospatial analysis and machine learning is desirable.
- Proficiency in STATA, SAS, R or other statistical analysis programs.
- Analytic decision-making and collaborative data analysis.
- Excellence in writing and ability to serve as first author on academic paper.
- Some project management experience.
- The ability to work in both collaborative and self-directed situations. The candidate must have high standards in terms of quality of work, attention to detail, plus organizational and communication skills. Fluency in English.

The initial appointment will end on June 30, 2022 with the possibility of renewal.

The primary work location for this position is Cambridge, Massachusetts. Until our return to campus, which is still to-be-determined, this interview process and position will be conducted virtually - including virtual interviews, remote onboarding, and remote work. The remote nature of this position is only temporary. Local, on-campus work will be required as a condition of continued employment once the Harvard Center for Population and Development Studies and this role return to an operational status

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that supports it.

How to Apply: Applicants should submit a cover letter, a CV, and contact information for three references to [popcenter@hsph.harvard.edu](mailto:popcenter@hsph.harvard.edu) with “BMGF Postdoctoral Research Fellow” in the subject line. Review of applications will begin immediately and continue until the position is filled.

### **EEO/AA Policy**

Harvard University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions, or any other characteristic protected by law.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**      Laura Price  
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Harvard Center for Population and Development Stud  
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