To whom this may concern,

I am an Stanford alumni from the applied physics department, now leading a modeling and data analysis group in the Seattle area which collaborates closely with the Gates Foundation. Our colleagues at the Foundation will be opening two post-doctoral positions for graduating statisticians with an interest towards global health, disease surveillance, and modeling. This is a very rare opportunity to be exposed to very dynamic global health programs; the foundation usually only hires experienced global health professionals.

If you know or could recommend recent PhD graduates which would be interested in these openings, I hope to hear from you.

Thank you,

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Research analyst

Group summary
The goal of the Global Development Program (GDP) is to increase opportunities for people in the developing world to lift themselves out of hunger and poverty and to help deliver targeted healthcare solutions in these regions. Our strategies focus on Agriculture Development; Water, Sanitation, and Hygiene; Financial Services for the Poor; and Family Health which includes Maternal, Newborn and Child Health, Family Planning, and Nutrition. These strategies are supported by functional teams that focus on Vaccine Delivery and Integrated Delivery. GDP also has Special Initiatives that focus Urban Poverty, Emergency Relief, Global Libraries and Value for the Money.

Responsibilities
The Global Development Program is hiring a research analyst to join its Polio team. The team is responsible for developing, implementing and supporting global strategies to eradicate polio and strengthen routine immunization programs. The team works closely with the foundation's vaccine delivery team as well as the foundation's vaccine product development, communications, policy and advocacy teams. The Polio team works externally with WHO, UNICEF, CDC, Rotary International and national immunization programs. The team is comprised of individuals with varying backgrounds in global public health, epidemiology, immunization and vaccinology, business management, and behavioral and social change communication.

The research analyst will work to support and advise the Polio team by conducting analysis and modeling to inform policy-relevant questions. The work will be varied, possibly covering topics such as disease burden evaluations, vaccination campaign strategy optimization, financial projections, and cost-benefit calculations. The research analyst responsibilities will be to:

- Collect, analyze and process input data to support program evaluation and policy-relevant research questions
- Manage a wide variety of data sets, e.g., disease surveillance data, program implementation and management data, cluster surveys data, clinical trials data, genetic sequence data, demographic and socio-economic indicator data, and population mobility/migration data.
- Build statistical models and tools to produce country-specific analysis and research results
- Gain country-specific expertise and knowledge to inform interpretation of research results
- Identify epidemiologically critical knowledge gaps and opportunities for focused scientific research
- Produce or assist in the production of reports and peer-reviewed research articles

As the research analyst gathers experience, he or she is expected to gain country-specific expertise and grow into directly contributing to collaborations with government health agencies. This work may include travel to Africa and Asia.

Joining will provide opportunities to interact with global health policy makers, to collaborate with world-class research laboratories and non-profit organizations, and to contribute to global and national disease eradication strategies.

We seeks individuals with demonstrated achievements and a passion for excellence. Our compensation package is in line with this commitment.

Qualifications and Skills
- Minimum of a master’s degree, with PhD preferred, in applied mathematics, statistics, or similar quantitative field of study. Strong statistics background highly desired.
- Ability to read & write code in a language like Matlab or R
- Experience in managing and organizing large data sets is a plus
- Modeling experience or knowledge of epidemiology is a plus
- Knowledge of public health issues in the developing world settings is a plus
- Must work well in a team
- Must be a clear and effective communicator
- Must be self-motivated and results-minded
- Must have strong analytical skills