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| **Spatial Epidemiologist(Job Number:** **1400003042)****Description** Health, Education, and Social ProgramsInternational Health and DevelopmentRockville, MD **Job Description:** ICF International has an opening for a Spatial Epidemiologist working primarily with the Demographic and Health Survey (DHS) Program and MEASURE Evaluation programs. The DHS Program is a US Agency for International Development (USAID) funded project that supports the collection of demographic and health data through nationally representative population and facility-based surveys.  MEASURE Evaluation, also a USAID funded project, works with national governments to improve monitoring and evaluation of health activities within the country through capacity building and research. The Spatial Epidemiologist will primarily focus on using spatial analysis techniques to analyze demographic and health issues using the DHS survey data. Tasks will include: creating spatial analysis outputs for use in program decision making, developing and implementing research/analysis plans, collaborating with other researchers to integrate geographic data in their analysis, writing analytical reports for publication, data management, and providing guidance on appropriate data use. Creation and use of interpolated (gridded-surfaces) is an expanding field within the DHS and will be a focus of the position. The Spatial Epidemiologist will also be involved in other cross-cutting projects at ICF with a need for geo-spatial analysis including biodiversity and health, nutrition and agriculture, and data quality.  The Spatial Epidemiologist will report directly to the GIS Coordinator, and will be responsible for managing specific projects.  Some travel domestically or internationally is possible but would likely be less than 15% of the time. The full-time position is based in Rockville, MD (in the Washington, DC metro area). **Key Responsibilities:*** Provide guidance to project staff on how to integrate spatial analysis tools in analysis and project activities
* Create spatial analysis outputs for use in program decision making
* Participate in data analysis and report writing
* Provide GIS data management and validation support to projects
* Contribute to the development and implementation of the geo-spatial research agenda
* Provide GIS related technical contributions to new proposal development
* Travel domestically or internationally as necessary (< 15% of time)

  **Qualifications**  **Basic Qualifications:*** PhD in epidemiology, biostatistics, demography, geography, or related field.
* Two to three years of experience with the use of geo-spatial techniques in health and/or population related research (professional or academic).
* Experience in managing and analyzing large data sets
* Experience in advanced spatial analytical techniques, including interpolation
* Excellent writing skills
* Demonstrated knowledge of GIS applications in health and population data research
* Demonstrated knowledge of STATA, SPSS, SAS,  or R Statistics
* Demonstrated knowledge of ArcGIS 10.x

 **Preferred Skills/Experience:*** Experience working overseas in a developing-country setting
* Experience working with country counterparts, host country institutions, and US and other international donor agencies is highly desirable
* French language skills are a plus

 **Professional Skills:*** Ability to work independently and manage projects on a daily basis with minimal supervision
* Excellent verbal and written communication skills
* Strong analytical, problem-solving and decision-making capabilities
* Demonstrated ability to work effectively in cross-cultural situations and developing country environments
* Ability to work effectively with other project staff, USAID, other donors and international organizations
* Proficiency in MS Office Applications (Word, PowerPoint, Outlook, Excel)

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