

## EXAMPLES OF OUR RECENT WORK

### Millennium Villages Project in Rural Africa

SWB is working on the Millennium Villages Project ([www.millenniumvillages.org](http://www.millenniumvillages.org)) with researchers from Columbia University's Earth Institute. This project was designed to demonstrate how the eight Millennium Development Goals could be met in rural Africa in five to ten years through community-led development. SWB is currently working with Millennium Villages on a random cluster study of health and development interventions involving 60,000 households in 14 African countries.

### Use of Bottled Water in Mexico

SWB helped prepare a proposal for the Inter-American Development Bank ([www.iadb.org](http://www.iadb.org)) to survey households in Mexico about their use of bottled water. SWB was heavily involved in the early planning and helped with the general sample design and questionnaire.

### Earthquake Assistance in Haiti

Following the January 2010 earthquake in Haiti, a team of SWB volunteers and SciMetrika\* employees visited Haiti to work on a survey to assess the economic impact of the disaster. Our goals were to estimate the change in employment status of the Haitian population and to describe and quantify various aspects of the current housing situation. The survey was cell-phone based and our work was featured on National Public Radio (<http://media.theworld.org/audio/060120109.mp3>).

\* SciMetrika is a health consultancy company based in North Carolina.

### Statistical Software for Developing Nations

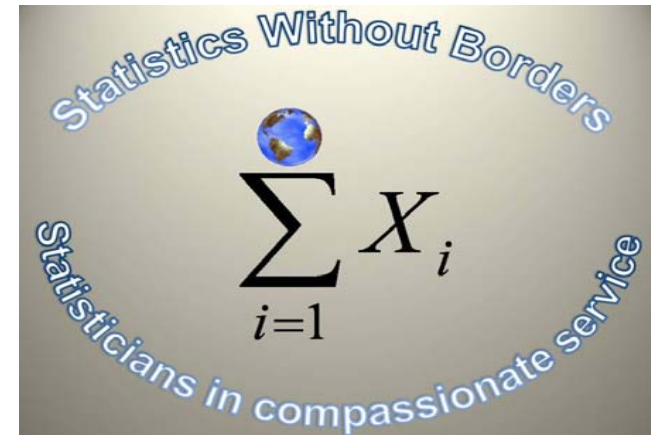
A new SWB statistical software sub-committee is studying how developing nations are currently using statistics. This subcommittee will use this and other information to develop and provide free statistical software to these countries.

### Evaluations of Health Intervention in Sierra Leone

SWB is working on a longer-term project with UNICEF related to poverty in Sierra Leone. This project calls for the evaluation of health interventions. SWB helped with the design of the baseline survey, and is currently working on cleaning and weighting the survey data. We expect to continue to be involved with data analysis and hope to assist in designing the follow-up post-intervention survey.



Statistics Without Borders 2009 co-Chair Jim Cochran (back row) participates in a meeting at the annual Operations Research Society of Eastern Africa (ORSEA) conference in Dar es Salaam, Tanzania. (July 2009)



## MISSION

The mission of SWB is to promote sound statistical practices in areas such as—

- research and evaluation design
- using or exploring existing data
- statistical analysis
- survey design
- sampling
- developing data gathering instruments
- developing scales and indicators
- developing in-house statistical capabilities
- using statistical software

so that international health projects and initiatives are delivered more effectively and efficiently.

## PURPOSE

SWB was established in 2008 and provides a focus for pro bono statistical consulting within the American Statistical Association. This ASA Outreach Group provides an opportunity for statisticians to collaborate with professionals, researchers, and other volunteers involved in international health work.

## What is Statistics Without Borders?

SWB is an all-volunteer group consisting of over 200 statisticians from a variety of backgrounds such as academia, industry, and government from all around the world. Membership includes professionals, students, and retirees. Our primary activity is to provide pro bono consultancy services.

## Do you have a project that we can work on with you?

At SWB we are always looking to expand our list of collaborators and projects. If you are working in any field of international health and would benefit from working with an expert group of statisticians then we would love to hear from you. Some examples of projects that we have worked on previously are on the reverse side of this flyer. These projects include the design and analysis of epidemiological studies, the review of grant proposals for funding agencies in international health, and on-site training for current health projects or for the development of local staff. If you have any ideas for projects that fall within the general scope of statistics and international health we would love to talk further with you.

## Interested in Volunteering?

The work of Statistics Without Borders is only possible through the generosity of a large team of members who volunteer their time and expertise to support us in our mission. We warmly welcome volunteers from a wide range of backgrounds. We have members with a long background in international health statistics, experienced statisticians who are new to the field of international health, members who are new to the field of statistics but would like to work on international health projects under the supervision of an experienced statistician, and members from other non-statistical disciplines (including the evaluation of community aid programs and data management).

## Contact us

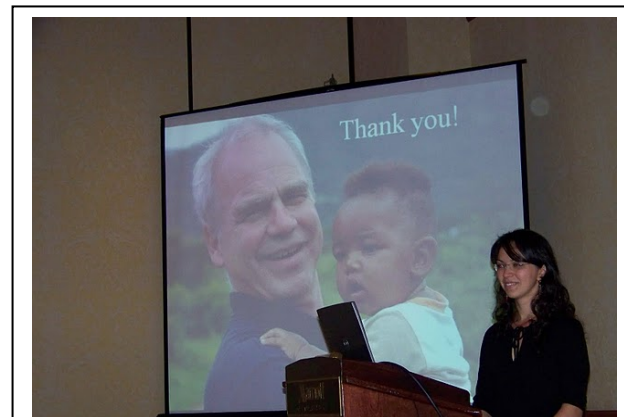
More information about our current projects and about proposing a new project or volunteering can be found on our website at:

[community.amstat.org/AMSTAT/StatisticsWithoutBorders](http://community.amstat.org/AMSTAT/StatisticsWithoutBorders)

We would also love to hear from you by email:

Gary Shapiro  
2010-2011 Chair of Statistics Without Borders  
[g.shapiro4@verizon.net](mailto:g.shapiro4@verizon.net)

Mark Griffin  
2010-2011 SWB New Projects Committee Chair  
[m.griffin@uq.edu.au](mailto:m.griffin@uq.edu.au)



At a conference on Using Operations Research to Address Urban Transport and Water Resource Management Issues in Africa, Johns Hopkins University graduate student Stefanie Falcone discusses the work she and her colleagues are doing in the KwaZulu-Natal province of South Africa. (October 2008)