

## Rodney Joseph Knight, Ph.D.

3616 Moonlight Drive  
Chapel, Hill NC 27516  
(919) 717-6591 | RodJKnight@aol.com

### Summary

For over 25 years I have worked as an international research specialist providing design, implementation, and management services for household surveys, health facility surveys, and impact evaluations; and monitoring, evaluation, and learning (MEL) services for reproductive health; nutrition, maternal, newborn, and child health (MNCH); HIV/AIDS; food security; and agriculture programs. In addition, I have over 40 years of computer programming experience, including work in neural network and GIS systems, and 30 years of experience programming in Stata.

Currently I serve at Deputy Director of Research, Policy and Analysis Unit of AidData at William and Mary. In this position I lead a team of analysts who conduct research on the effectiveness of development cooperation and public diplomacy activities of governments and organizations.

Prior to AidData, for five years I served as the Deputy Chief of Party Scientific and Technical for the Feed the Future FEEDBACK project. FEEDBACK provided performance monitoring and impact evaluation services in 12 countries for Feed the Future Initiative projects. Feed the Future is a Presidential Initiative that promotes improvements in food security and agriculture in developing countries. As Deputy Chief of Party for FEEDBACK, I was technical lead responsible for oversight of U.S.-based subcontractors, in-country subcontractors, consultants, and Westat technical staff working on the project. Over 50 Westat staff participated in this project, with 30 to 40 staff on average during peak periods. I often mentored younger staff on various technical aspects of the project. As part of my technical leadership, I was co-chair of the Impact Evaluation Working Group. FEEDBACK implemented six impact evaluations, one of which was a randomized controlled trial (RCT). In total, FEEDBACK conducted 23 surveys in 10 countries, including surveys for performance monitoring, as well for impact evaluations. A set of three surveys in Ethiopia followed a panel of households.

During the remainder of the 25 years, I provided survey and MEL technical and management services for a variety of foundations (Bill and Melinda Gates Foundation, and Packard Foundation), donors (USAID, CDC, CIDA, SIDA, UNICEF, and UNAIDS), universities (Brown University and University of North Carolina-Chapel Hill (UNC-CH)), and non-profit organizations (CRS, Family Care International (FCI), IntraHealth, Orbis International, PATH, Population Reference Bureau, Population Action International, and RTI International). I provided these services in 18 countries (Burkina Faso, Costa Rica, Eritrea, Ethiopia, Ghana, Guatemala, India, Kenya, Madagascar, Mali, Malawi, Mozambique, Nepal, Niger, Nigeria, Senegal, Tanzania, and Uganda). In the course of this work, I have developed extensive contacts with donors, universities, research organizations, and researchers.

Earlier in my career, I focused primarily on health (reproductive health, MNCH, and HIV/AIDS). From 1994 to 1996, I served as USAID Technical advisor for the Demographic and Health Surveys (DHS) project and Population Reference Bureau (PRB) cooperative agreement. After that I worked as an Evaluation Analyst for MEASURE Evaluation. In that position I designed and implemented household and health facility surveys, refined performance management plans (PMP) for USAID Missions, and analyzed health outcomes. As a consultant, I provided data management services for a large clinical trial run by UNC-CH to test the effectiveness of different regimens for preventing mother-to-child transmission (PMTCT) of HIV during breastfeeding in Malawi. The results of this study were published in the *New England Journal of Medicine* and the *Lancet*. I conducted a data quality assessment (DQA) of the health management information system (HMIS) in Eritrea for MEASURE Evaluation (also at UNC-CH). For FCI, I participated in the study design and implementation for impact evaluations of safe motherhood projects in Burkina Faso,

Kenya, and Tanzania, including sampling and weighting, survey implementation advice, and analysis of impact. Results for Burkina Faso were published in *Social Science and Medicine*. For UNICEF, I provided MEL support under the Catalytic Initiative funded by CIDA, including developing a general framework for UNICEF's MEL activities under the Initiative and providing country support in Burkina Faso, Ethiopia, Ghana, Malawi, Mali, Mozambique, and Niger. In addition, I analyzed health and other outcomes among orphans in 16 countries using DHS and MICS data for UNICEF.

Throughout my career, I have conducted surveys, research, and evaluations related to reproductive health, adolescent health, MNCH, HIV/AIDS, nutrition, food security, agriculture, malaria, and water and sanitation. My research has focused on development program outcomes and the evaluation of programs, using a variety of methods to model the complex time-dependent relationships between programs and individual behavior. While most of my research is quantitative, I am trained in qualitative methods, and have managed a variety of studies that incorporate qualitative methods. I participated in the design and review of the qualitative components of these studies. The qualitative components of these studies did more than validate or even deepen quantitative findings; they independently produced knowledge about the interactions of programs, policies, and behavior.

I have developed a range of technical skills including complex analysis of large datasets across countries (e.g. DHS, MICS, and LSMS); overall survey management and implementation; study design (including quasi-experimental and randomized controlled trial designs for impact evaluations); protocol development; obtaining ethical approval from U.S. and in-country IRBs; instrument design; sample design/optimization, selection, and weighting; statistical, application, and database programming; statistical analysis; development of data entry programs in CSPRO, EPI Info, and ODK; data collection with tablet computers; training of interviewers and supervisors for data collection; supervision of data collection; data management and processing; management of proper handling of personally identifiable information (PII); non-disclosure analysis and implementation for public release datasets; report writing; and publishing in peer-reviewed journals.

In my work running a small business (Principia International) and at Westat I participated in business development. I obtained contracts with numerous clients, both through competitive and non-competitive processes. Work for the small business generally was obtained through my professional network, while work procured by Westat has been through competitive processes. I have participated in various aspects of business development including capture for large projects, bid/no-bid decisions, proposal management, budget development, identifying potential subcontractors and consultants, bringing subcontractors and consultants on to the team, proposal writing, and proposal review. Not only was I technical lead for FEEDBACK, I wrote much of the technical proposal for that project.

## Education

Ph.D., Sociology (Major in Demography), Brown University, Providence, RI, 1995

Dissertation: The Dynamics of the Diffusion of Information and Adoption of Contraception in Costa Rica.

A.M., Sociology, Brown University, Providence, RI, 1991

Thesis: Does AFDC affect the proportion of adolescent pregnancies aborted?

Graduate studies in Engineering, Brown University, Providence, RI, 1983-1984

Sc.B. (Honors), Mechanical Engineering (Energy Option), Brown University, Providence, RI, 1983

## Other Training

One-week workshop on Social Network Analysis, ICPSR, University of Michigan, 1991

Course in Computer Graphics, Harvard Extension School, 1986

Six-week National Science Foundation Summer Program for prospective scientists and engineers, 1978

## Employment

### **Deputy Director of Research, Policy and Analysis Unit, AidData, William and Mary, Williamsburg VA (August 2019 - present)**

Leads a team of analysts who conduct research on the effectiveness of development cooperation and public diplomacy activities of governments and organizations.

### **International Research Specialist, Chapel Hill, NC (January – July 2019)**

Developed a small business for research and evaluation. Primary research focused on validation and development of poverty measurement indicators for use in food security, health, and nutrition studies.

### **Senior Study Director, Westat, Rockville, MD (September 2011-December 2018)**

Managed and provided technical assistance for international evaluation projects for food security, agriculture, health, and child protection. Projects and responsibilities are described below.

I also participated business development activities including meeting with prospective clients, the capture process for large projects, and proposal development. Contributed to all aspects of proposal development including proposal management, budget development, identifying potential subcontractors and consultants, bringing subcontractors and consultants on to the team, proposal writing, and proposal review. Not only was I technical lead for FEEDBACK, I wrote much of the technical proposal for that project.

**Feed the Future FEEDBACK, USAID** – Served for five years as Deputy Chief of Party for Scientific and Technical Services with overall technical responsibility for study design, design of population-based surveys and qualitative data collection, sampling and statistics, data analysis, GIS, and technical report writing. FEEDBACK provided performance monitoring and impact evaluation services in 12 countries for Feed the Future projects which promote improvements in food security and agriculture. I was responsible for technical oversight of U.S.-based subcontractors (International Food Policy Research Institute (IFPRI), Tango International, and University of North Carolina-Chapel Hill) and international in-country subcontractors, as well as Westat technical staff. Over 50 Westat staff participated in this project, with an average of 30 to 40 staff during peak periods. I often mentored younger staff on various technical aspects of the project. I worked with technical leads for surveys and impact evaluations to obtain U.S. and in-country IRB approval. As part of my technical leadership, I served as co-chair of the Impact Evaluation Working Group for the project. Of the many potential impact evaluations which were reviewed, six were chosen for implementation. These covered a range of topics (livelihoods and resilience, gender equity in agricultural production and sales, the integration of agriculture and nutrition, and business literacy (to promote entrepreneurship and agricultural sales)) in seven countries (Burkina Faso, Ethiopia, Kenya, Malawi, Nepal, Niger, and Zambia). One of these impact evaluations covered a project in two countries (Burkina Faso and Niger). These impact evaluations were of mixed-methods design, with quantitative and qualitative components. One of these was an RCT. In total, this project conducted 23 surveys in 10 countries, including surveys for performance monitoring, as well as those for the impact evaluations. A set of three surveys in Ethiopia followed a panel of households to study resilience (response to economic, social, and climatic shocks). The panel consisted of a baseline survey, followed by a survey of a subset of households interviewed monthly for 6 months, and a second survey of the panel conducted every other month over a year.

### **4Children: Coordinating Comprehensive Care for Children, Catholic Relief Services (CRS)**

**(USAID funded)** – Provided input on analysis methods used for the Coordinating Comprehensive Care for Children (4Children) project. For the Botswana situational analysis of orphans and vulnerable children (OVC), I reviewed, modified, and tested an SPSS program prepared by CRS's local partner for an index of household assets (Wealth Index) based on principal components analysis. I also helped build the capacity of CRS's local partner on this analysis. This five-year USAID-funded child protection project improves health and well-being of OVC affected by HIV and AIDS and other adversities. CRS is

the prime contractor with Westat being responsible for designing and conducting program evaluations, impact evaluations, and special studies.

**Evaluation of Strengthening Communities Responses to HIV/AIDS (SCRHA) Project in Ethiopia, PATH (USAID funded)** – Performed analysis for a performance evaluation of the SCRHA project. The analysis examined changes over time in the organizational capacity and the performance of civil society organizations (CSO) who were beneficiaries of the SCRHA project in Ethiopia.

**Measurement, Learning, and Evaluation (MLE) HUB for Nutrition Strategy Area, Bill and Melinda Gates Foundation** – Worked on a team of evaluation specialists to develop a program of activities to build and run the MLE HUB for the nutrition strategy area at the Bill and Melinda Gates Foundation. My role was to provide expertise in nutrition MLE to the team.

**President, Principia International, Inc., Chapel Hill, NC (May 2000-August 2011)**

Founded a consulting firm to provide technical assistance for evaluation of international health projects. Managed client relations, budgets, timelines, quality of the work, and personnel. Mentored small staff of researchers on technical aspects of the work. Assignments include:

**Family Care International** – Participated in study design and implementation for impact evaluations of safe motherhood projects in Burkina Faso, Kenya, and Tanzania. Results for Burkina Faso were published in *Social Science and Medicine*. Designed samples, selected enumeration areas, provided advice on household listing, and calculated weights for baseline survey in 2003 and endline survey in 2006. Performed difference in differences analysis to compare change in outcomes in program and non-program areas over time to measure impact of program.

**UNICEF/New York** – Performed an analysis to determine factors that affect child vulnerability. A key question was whether orphans are more vulnerable than other children. This analysis of Multiple Indicator Cluster Surveys (MICS) and Demographic and Health Surveys (DHS) surveys included nine dependent variables related to child outcomes in 16 countries.

Provided MEL support to UNICEF under the Catalytic Initiative (CI) funded by CIDA. Developed a general MEL framework for UNICEF's activities under CI based on the cross-agency framework. Provided country MEL support in Burkina Faso, Ethiopia, Ghana, Malawi, Mali, Mozambique, and Niger.

In 2004, performed an analysis of antenatal care, immunization, and IMCI for the ACSO project in West Africa. This is the predecessor to the CI. Analyzed trends across surveys in eight countries, including an analysis comparing change over time in program and control areas. Analyzed data from a variety of data sources for this analysis including DHS, MICS, CDC surveys and other surveys.

**UNICEF/Malawi** – Assisted with review of community-based Integrated Management of Childhood Illnesses (C-IMCI). Provided technical advice on soundness of methods and data quality for surveys used in analysis.

**Stanton-Hill Research LLC** – Designed and selected the samples of health facilities in multiple countries for a study of active management of third stage of labor (AMTSL). This study observed health providers performing the various aspects of AMTSL to produce a baseline of this practice for the design of programs to increase adoption of this practice by health providers. Results of this study were published in the *Bulletin of the World Health Organization*.

Calculated the sample size to determine the selectivity and specificity for measures of emergency cesareans in hospitals in two countries (Ghana and Dominican Republic). This was for a study to validate whether measures of emergency cesareans can be calculated from women's self-report. Self-reported measures were compared with records of cesareans in the hospitals.

**Breastfeeding, Antiretroviral and Nutrition (BAN) Study, University of North Carolina-Chapel Hill, School of Medicine, Department of Infectious Diseases (2004-2011)** – Oversaw data management for a large CDC-funded PMTCT clinical trial in Malawi to test the effectiveness of different regimens for preventing mother-to-child transmission of HIV during breastfeeding. The primary results of this trial have been published in the *New England Journal of Medicine* and *The Lancet*. The work included overseeing data entry and processing for analysis of primary and secondary objectives the study. During the trial the tasks also included working with principal investigators and senior project staff to modify case report forms (CRFs), generating analyses and reports on recruitment and safety, and modifying standard operating procedures (SOPs). Built a nested data entry system for collection of nutrition data in MS Access, which would collect data on meals, foods eaten during meals, and the ingredients of those foods. Those data were analyzed for micronutrients in women’s diets. Worked with study researcher on analysis of study participant’s asset data to create the Wealth Index.

**MEASURE Evaluation, University of North Carolina-Chapel Hill** – Revised the performance monitoring plan for MEASURE Evaluation and designed specifications for a software system to implement this plan. Refined MNCH, and reproductive health indicators for USAID/Eritrea. Performed a DQA of the HMIS in Eritrea. Participated in a review team for the PSRHH HIV/AIDS project in Nigeria, specifically to evaluate survey and evaluation systems of the project. Coauthored a report on HIV/AIDS prevalence, knowledge and behavioral trends in Malawi during the 1990s.

**RTI International** – Supported the Evaluation of the Afghanistan Health Initiative (EAHI) project, including reviewing questionnaires and data entry systems for a survey of clinicians, and analysis of data from this survey.

**IPAS** – Generated projections for safe and unsafe abortions in India, Nepal, Nigeria, South Africa, and Zambia. Used Spectrum software to produce projections of births and women of reproductive age. Then produced two sets of estimates: one based on births and abortion ratios, and the other based on women of reproductive age and abortion rates.

**UNAIDS** – Coauthored “Guidelines for Measuring National HIV Prevalence in Population-Based Surveys.”

**Social and Scientific Systems** – Served as Senior Technical Advisor to the Monitoring and Evaluation of Emergency Plan Progress (MEEPP) project in Uganda. Advised senior staff on evaluation methodologies, data quality assessments, and data validation. MEEPP was a USAID funded project that gathered monitoring and evaluation information from all of the PEPFAR (Presidents Emergency Plan for AIDS Relief) projects in Uganda.

**ORBIS International** – Refined the existing monitoring system for international eye health programs at ORBIS. Reviewed monitoring system and made recommendations to improve system including staffing, data quality validation, performance indicators, and computer/web-based data collection system. Worked with ORBIS staff to design a plan of action to implement recommendations. Created a conceptual framework to help ORBIS staff better understand how ORBIS program activities lead to outputs, outcomes, and impact.

**Brown University** – Designed the sample for a population and environment survey in the coastal region of Ghana. Developed a method to estimate sample size for regression models. Selected the enumeration areas. Provided guidance on the household listing and household selection process. Coauthored paper published in *Demography* on migration and fertility based on this survey.

**BASICS Project, JSI** – Helped manage the design and implementation of child health surveys in Nigeria and Ghana. Designed cost-optimized samples for these surveys. Guided the design of data entry and data processing for these surveys.

**Population Reference Bureau** – Performed multi-country analysis of female genital cutting in Africa.

**Population Action International** – Analyzed effect of population on internal conflict in countries.

**PRIME Project, IntraHealth International** – Refined project indicators and assisted in the design of systems to measure those indicators.

**Evaluation Analyst, EVALUATION Project and MEASURE Evaluation, University of North Carolina, Chapel Hill, NC (October 1996-May 2000)**

Provided international technical assistance for monitoring and evaluation of health programs for reproductive health, MNCH, and HIV/AIDS. Managed monitoring and evaluation activities in Uganda and Tanzania. Designed and implemented five health surveys in these countries, including surveys of men, women, health facilities, and quality of care. The health facility survey done in Uganda was on palmtop computers, which was one of the early applications of electronic data entry by interviewers in the field. Trained and supervised interviewers on use of palmtops, and uploaded data from palmtops to a laptop while we were in the field. Then analyzed those data. In 1999, was part of a MEASURE Evaluation team that collaborated with MEASURE DHS on the Tanzania Reproductive and Child Health Survey (TRCHS). DHS conducted the household survey, and we conducted a health facility survey linked to the household survey clusters. For various studies, performed statistical analysis to study health outcomes and evaluate health programs. Provided monitoring and evaluation technical assistance for USAID Missions in Eritrea and Tanzania. Did some of the early data quality assessment work on health facility data in Tanzania. Provided mentoring and capacity building to local researchers and consultants on evaluation.

**Technical Advisor, USAID/G/PHN/POP/PE, Washington, DC (via University of Michigan International Population Fellows Program). (February 1994 to September 1996)**

Administered, monitored and provided technical oversight for USAID for the Demographic and Health Surveys project and the Population Reference Bureau cooperative agreement. Participated in budgeting/financial oversight for projects, evaluation of projects, design of new projects, rating of proposals for projects, and strategic planning. Was a member of the team that developed the original MEASURE Umbrella project, which at that time included MEASURE Evaluation, MEASURE DHS, MEASURE Communication, MEASURE CDC (for reproductive health surveys), and MEASURE Census (for international census support). Was involved in the decision to fund the development of CSPro, which combined the survey data entry and processing capabilities of ISSA and the census processing capabilities of IMPS. Provided short-term in-country project oversight and technical assistance in Costa Rica, Guatemala, India, and Nepal.

**Research Assistant, Department of Sociology, Brown University, Providence, RI (1992-1993)**

Prepared Costa Rica census and survey data for time series hazards model analysis. Wrote software programs (in C) and statistical programs for data management and analysis.

**Teaching Assistant, Department of Sociology, Brown University, Providence, RI (1992-1993)**

Taught sections in statistics and bureaucracy courses while a sociology graduate student.

**Senior Software Engineer, Fair Tide Technologies, Burlington, MA (1987-1989)**

One of two engineers who developed Navigate, a graphical boat navigation software product for the Macintosh and PCs. Navigate worked with the GPS, SATNAV and LORAN systems. It was written in C and was one of the precursors to modern GIS navigation systems.

**Associate (Engineering Consultant), Devonrue, Boston, MA (1986-1987)**

Created databases to study reliability of systems in power plants for utilities. Wrote technical specifications for a real-time database system for health safety monitoring in a power plant.

**Senior Staff Engineer, Engineering Planning and Management, Framingham, MA (1985-1986)**

Developed database and analysis software for fire protection and health safety monitoring systems for power plants run by utilities. Wrote verification programs to test software and validate databases.

### **Scientific Programmer, Nestor, Inc., Providence, RI (1983-1985)**

Assisted development of neural-network character recognition software. Directed a team of programmers in the coding and testing of this software. We were designing this software to recognize Kanji (Japanese) characters and were able to get high levels (95%+) of accuracy.

### **Department of Engineering, Brown University, Providence, R.I. (Fall Semester 1983)**

Tutored engineering students in Mechanics (Classical Physics) while I was a graduate student in the Department of Engineering.

### **Numerical Analyst, Department of Geology, Brown University, Providence, RI (Part time, 1981-1983)**

Developed the theory, solved integral equations, and wrote a software program to find magnetic fields due to a nonuniform sheet current. This was part of magnetotelluric research of a Geology Professor at Brown University. The goal of this research is to use magnetic field measurements on the earth's surface to infer structure below the surface in the search for minerals and other resources below the surface.

### **Research Assistant, Department of Civil Engineering, University of Missouri, Columbia, MO. (Summers of 1980 and 1981)**

Designed and built working system for injecting capsules into pipelines for hydraulic capsule pipeline (HCP) system. The HCP system was a prototype for an innovative energy efficient means of transporting goods over great distances, which was being investigated by a Professor of Civil Engineering at the University of Missouri-Columbia.

## **Languages**

**French:** Good reading ability (sufficient for review of reports and documents). Understand spoken French, but have limited conversation skills.

**Spanish:** Good reading ability for technical reports and documents, but limited conversation skills.

**Portuguese:** Basic reading ability (sufficient to understand key content of technical reports and documents).

## **Awards**

Charles C. Shepard Science Award: Prevention and Control. Presented on June 10, 2011 by CDC. Received for work on BAN study and publication of *New England Journal of Medicine* article on that study.

National Institutes of Health Predoctoral Traineeship in Demography, 1989-1992.

## **Associations**

Population Association of America (PAA)

Triangle Area Population Society (TAPS)

## **Computer Experience**

**Statistical Software:** Stata, SAS, SPSS, R

**Languages:** C/C++, VBA, FORTRAN, PASCAL, PLC, Assembly

**Database Software:** MS Access, SQL Server, Oracle, RdB

**Data Entry Software:** CSPro, Epi Info, ODK

## Publications, Technical Reports, and Presentations

### *Publications*

- Chasela CS, Kourtis AP, Wall P, Drobeniuc J, King CC, Thai H, Teshale EH, Hosseinipour M, Ellington S, Codd MB, Jamieson DJ, Knight R, Fitzpatrick P, Kamili S, Hoffman I, Kayira D, Mumba N, Kamwendo DD, Martinson F, Powderly W, Teo CG, van der Horst C on behalf of the BAN Study Team. 2014. Hepatitis B virus infection among HIV-infected pregnant women in Malawi and transmission to infants. *Journal of Hepatology*, 60(3): 508-514.
- Chasela CS, Wall P, Drobeniuc J, King CC, Teshale E, Hosseinipour MC, Ellington SR, Codd M, Jamieson DJ, Knight RJ, Fitzpatrick P, Kourtis AP, Hoffman IF, Kayira D, Mumba N, Kamwendo DD, Martinson F, Powderly W, van der Horst C, and Kamili S. 2012. Prevalence of hepatitis C virus infection among human immunodeficiency virus-1-infected pregnant women in Malawi: The BAN Study. *Journal of Clinical Virology*, 54(4): 318-320.
- Flax VL, Bentley ME, Chasela CS, Kayira D, Hudgens MG, Knight RJ, Soko A, Jamieson DJ, van der Horst CM, Adair LS. 2012. Use of Lipid-Based Nutrient Supplements by HIV-Infected Malawian Women during Lactation Has No Effect on Infant Growth from 0 to 24 Weeks. *The Journal of Nutrition*, 142(7): 1350-1356.
- Jamieson DJ, Chasela CS, Hudgens MG, King CC, Kourtis AP, Kayira D, Hosseinipour MC, Kamwendo DD, Ellington SR, Wiener JB, Fiscus SA, Tegha G, Mofolo IA, Sichali DS, Adair LS, Knight RJ, Martinson F, Kacheche Z, Soko A, Hoffman I, van der Horst C for the BAN Study Team. 2012. Maternal and infant antiretroviral regimens to prevent postnatal HIV-1 transmission: 48-week follow-up of the BAN randomised controlled trial. *Lancet*, 379(9835): 2449-2458.
- Chasela CS, Hudgens MG, Jamieson DJ, Kayira D, Hosseinipour MC, Kourtis AP, Martinson F, Tegha G, Knight RJ, Ahmed YI, Kamwendo DD, Hoffman IF, Ellington SR, Kacheche Z, Soko A, Wiener JB, Fiscus SA, Kazembe P, Mofolo IA, Chigwenembe M, Sichali DS, van der Horst CM for the BAN Study Group. 2011. Maternal or Infant Antiretroviral Drugs to Reduce HIV-1 Transmission, *Obstetric Anesthesia Digest*, 31(3): 187-188.
- Chasela C, Hudgens MG, Jamieson D, Kayira D, Hosseinipour MC, Kourtis AP, Martinson F, M.B., Tegha G, Knight RJ, Ahmed YI, Kamwendo DD, Hoffman IF, Ellington SR, Kacheche Z, B.Sc., Alice Soko, R.N., Wiener JB, Fiscus SA, Kazembe P, Mofolo IA, Chigwenembe M, Sichali DS, and van der Horst CM for the BAN Study Group. 2010. Maternal or Infant Antiretroviral Drugs to Reduce HIV-1 Transmission. *New England Journal of Medicine*, 362(24): 2271-2281.
- Brazier EE, Andrzejewski C, Perkins ME, Themmen EM, Knight RJ, Bassane B. 2009. Improving poor women's access to maternity care: Findings from a primary care intervention in Burkina Faso. *Social Science and Medicine*, 69(5), 682-690.
- Mfinanga SG, Kimaro GD, Ngadaya E, Massawe S, Mtandu R, Shayo E, Kahwa A, Achola O, Mutungi R, Knight R, Armbruster D, Sintasath D, Kitua A, Stanton C. 2009. Health Facility-based Active Management of the Third Stage of Labor: Findings from a National Survey in Tanzania. *Health Research Policy and Systems*. 7(6).



- Stanton C, Armbruster D, Knight R, Ariawan I, Gbangbade S, Getachew A, Jarquin D, Marin F, Mfinanga S, Vallecillo J, Johnson H, Sintasath D. 2009. Use of active management of the third stage of labour in seven developing countries. *Bulletin of the World Health Organization*, 87(3), 207-215.
- van der Horst C, Chasela C, Ahmed A, Hoffman I, Hosseinipour M, Knight R, Fiscus S, Hudgens M, Kazembe P, Bentley M, Adair L, Piwoz E, Martinson F, Ann Duerr A, Kourtis A, Loeliger AE, Tohill B, Ellington S, Jamieson D for the BAN Study Team. 2009. Modifications of a large HIV prevention clinical trial to fit changing realities: A case study of the Breastfeeding, Antiretroviral, and Nutrition (BAN) Protocol in Lilongwe, Malawi. *Contemporary Clinical Trials*. 30(1), 24-33.
- White MJ, Muhidin S, Andrzejewski C, Tagoe E, Knight R, Reed H. 2008. Urbanization and Fertility: An Event History Analysis for Coastal Ghana. *Demography*. 45(4), 803-816.
- Asiimwe-Okiror G, Knight R, Gouws E. 2005. Guidelines for Measuring National HIV Prevalence in Population-Based Surveys. WHO/UNAIDS.  
<http://whqlibdoc.who.int/publications/2005/9241593709.pdf>.
- Kourtis AP, Bramson B, van der Horst C, Kazembe P, Ahmed Y, Chesela C, Hosseinipour M, Knight R, Lugalia L, Tegha G, Joaki G, Jafali R, Jamieson DJ. 2005. Low Absolute Neutrophil Counts in African Infants. *Journal of the International Association of Physicians in AIDS Care (JIAPAC)*, 4(3), 73-76.
- White MJ, Stiff C, Tagoe E, Knight R and Muhidin S. 2005. Migration and Fertility in Coastal Ghana: An Event History Analysis. in *Reproductive Change in Ghana: Recent Patterns and Future Prospects*. Ed. Agyei-Mensah S, Casterline JB and Agyeman DK. Department of Geography and Resource Development, University of Ghana, Legon.
- Stephenson R, Tsui AO, Knight R. 2004. Measuring family planning sustainability at the outcome and program levels. *Health Policy and Planning* 19(2): 88-100.
- Knight R. 1997. The Diffusion of Information and Adoption of Contraception in Costa Rica. in *Demographic Diversity and Change in the Central American Isthmus*. Ed. Pebley AR, Rosero-Bixby L. RAND:Santa Monica, CA.
- Knight, R. 1995. *The dynamics of diffusion and the adoption of contraception in Costa Rica*. Doctoral dissertation, Brown University, Providence, RI.

### Technical Reports

- Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C. 2016. Feed the Future Malawi 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C. 2016. Feed the Future Rwanda 2014-2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Ekins C, Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C. 2016. Feed the Future Zambia 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Muyeed A, Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C, Hu J. 2016. Feed the Future Nepal 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Nelson D, Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C, Hu J. 2016. Feed the Future Mozambique 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C. 2015. Feed the Future Uganda 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.

- Martin S, Andrzejewski C, Knight RJ, Yu Q, Johnson K, Blalock C, Hu J, Du Bois J. 2015. Feed the Future Northern Kenya 2015 Zone of Influence Interim Assessment Report. Westat, Rockville, MD.
- Riely F, Langworthy M, Andrzejewski C, Knight RJ, Yu Q, Langworthy B. 2013. Feed the Future Malawi 2012 Zone of Influence Baseline Report. Westat, Rockville, MD.
- Wyeth J, Langworthy M, Andrzejewski C, Knight RJ, Yu Q, Langworthy B. 2013. Feed the Future Uganda 2012 Zone of Influence Baseline Report. Westat, Rockville, MD.
- Wyeth J, Langworthy M, Andrzejewski C, Knight RJ, Elkins C, Yu Q, Langworthy B. 2013. Uganda 2012 Mission Focus District Survey Report. Westat, Rockville, MD.
- Knight RJ. 2011. Determinants of childhood vulnerability. Technical report for UNICEF, New York, NY.
- Knight RJ. 2010. Induced abortion projections. Technical report for IPAS, Chapel Hill, NC.
- Andrzejewski C, Knight RJ, Brazier EE, Themmen EM. 2007. Skilled Care Initiative, 2006 End of Project Survey Report, Burkina Faso. Family Care International, New York, NY.
- Andrzejewski C, Knight RJ, Brazier EE, Themmen EM. 2007. Skilled Care Initiative, 2006 End of Project Survey Report, Kenya. Family Care International, New York, NY.
- Andrzejewski C, Knight RJ, Brazier EE, Themmen EM. 2007. Skilled Care Initiative, 2006 End of Project Survey Report, Tanzania. Family Care International, New York, NY.
- Andrzejewski C, Knight RJ, Brazier EE, Themmen EM. 2007. The Quality and Availability of Maternity Care in Homabay and Migori Districts, Kenya: An Endline Assessment of Services. Family Care International, New York, NY.
- Knight RJ. 2007. Review and recommendations for improving ORBIS International's monitoring system. Technical report for ORBIS International, New York, NY.
- Blanc A, Knight RJ, Hill N, Brazier EE, Themmen EM. 2006. Skilled Care Initiative, 2003 Baseline Survey Report, Burkina Faso. Family Care International, New York, NY.
- Blanc A, Knight RJ, Hill N, Brazier EE, Themmen EM. 2006. Skilled Care Initiative, 2003 Baseline Survey Report, Kenya. Family Care International, New York, NY.
- Blanc A, Knight RJ, Hill N, Brazier EE, Themmen EM. 2006. Skilled Care Initiative, 2003 Baseline Survey Report, Tanzania. Family Care International, New York, NY.
- Knight RJ. 2004. MEASURE Evaluation technical specifications for evaluation system software. Technical report for MEASURE Evaluation, Chapel Hill, NC.
- Katende C, Bessinger R, Gupta N, Knight R, Lettenmaier C. 2000. Uganda Delivery of Improved Services for Health (DISH) Evaluation Surveys 1999. Pathfinder International, and University of North Carolina, MEASURE Evaluation Project Technical Report Series Number 6.
- Knight R, Belzak L. 2000. Findings from the Reanalysis of Uganda Community Reproductive Health Project (CREHP) Survey and Health Management Information System. CARE International Uganda and University of North Carolina, MEASURE Evaluation Project Report submitted to USAID/Uganda.
- Katende C, Knight R, Gardner R, Lubale M, Lettenmaier C, Buckner B, Paeratakul C, Elkins C. 1999. Uganda Delivery of Improved Services for Health (DISH) Evaluation Surveys 1997. Pathfinder International and University of North Carolina, MEASURE Evaluation Project Technical Report Series Number 1.

Knight RJ, Tsui AO. 1997. Family Planning Sustainability at the Outcome and Program Levels: Constructing Indicators for USAID Strategic Planning. University of North Carolina, EVALUATION Project Technical Report.

Presentations and Posters

Flax VL, Adair LS, Bentley ME, Chasela CS, Kayira D, Hudgens MG, Knight RJ, Soko A, Jamieson DJ, and van der Horst C. 2011. Nutrition supplementation of HIV-infected women during lactation does not consistently influence infant growth from 0–24 weeks. *FASEB Journal*, 25(1 Supplement).

Hopping BN, Adair LS, Bentley ME, Flax VL, Parker M, Chitsulo P, Chasels CS, Kayira D, van der Horst CM, Jamieson DJ, Kacheche Z, Soko A, Knight RJ, and Tohill B. 2011. Increasing dietary diversity reduces likelihood of growth faltering among infants receiving a lipid-based nutrient supplement in Malawi. *FASEB Journal*, 25(1 Supplement).

Widen EM, Adair L, Bentley M, Chasela C, Kayira D, Kacheche Z, Tegha G, Knight R, Jamieson, and van der Horst C. 2011. Supplementation of lactating mothers with lipid-based nutrient supplement does not influence infant Hemoglobin levels during exclusive breastfeeding. *FASEB Journal*, 25(1 Supplement).

Thomas RM, Adair L, Chasela C, Bentley M, Siega-Riz AM, Knight R, Piwoz E, Ahmed Y, Mkhomawanthu C, Martinson F, Chitsulo P, Kayira D, Jamieson D, and van der Horst C. 2010. Maternal body composition in pregnancy among HIV-infected Malawians: Results of the BAN Study. *FASEB Journal*, 24(1 Supplement).

Kayira D, Tembo M, Hyde L, Chasela C, Kourtis A, Ahmed Y, Fitzgerald D, Tien HC, Chavula C, Mumba N, Majawa M, Knight R, Martinson F, Chilongozi D, van der Horst C for the BAN Study Team. 2007. Diarrhea in uninfected infants of HIV-infected mothers who stop breastfeeding at 6 months: The BAN Study experience. Presented at 2nd Annual Nutrition HIV dissemination meeting. Blantyre, Malawi.

Kourtis A, Fitzgerald D, Hyde L, Bramson B, Tien HC, Chavula C, Mumba N, Magawa M, Knight R, Chasela C, van der Horst C for the BAN Study Team. 2007. Diarrhea in uninfected infants of HIV-infected mothers who stop breastfeeding at 6 months: The BAN Study experience. Poster presented at Conference on Retroviruses and Opportunistic Infections, Los Angeles, CA.

Bramson B, Chasela C, Chavula C, Numba N, Majawa M, Hosseinipour M, Ahmed Y, Kourtis A, Knight R, Jafali R, Tegha G, Joaki G, Tien HC, Hyde L, Kazembe P, Jamieson D, van der Horst C for the BAN Study Team. 2006. Toxicity of Nevirapine in HIV-infected women with high CD4 counts in Malawi: the BAN Study. Poster presented at the XVI International AIDS Conference, Toronto, Canada.

Bramson B, Hyde L, Chasela C, Chavula C, Magawa M, Mumba N, Hosseinipour M, Ahmed Y, Kourtis A, R Jafali, G Tegha, Joaki G, Knight R, Martinson F, Chilongozi D, Kazembe P, Jamieson D, van der Horst C for the BAN Study Team. 2006 Morbidity and mortality among HIV-infected women and their infants while participating in a clinical trial in Malawi: The BAN Study. Poster presented at the XVI International AIDS Conference, Toronto, Canada.

Knight R, Andrzejewski C, Liao CH, Chasela C, Bramson B, Tien HC, Jafali R, Mwapasa G, Wiyo P, Mayuni I, Msungama W, Martinson F, Ahmed Y, Jamieson D, Kazembe P, van der Horst C for the BAN Study Team. 2006. Cohort-convergence method to estimate retention of participants in clinical trials: The BAN Study in Lilongwe, Malawi. In abstract book CD # CDB0390: XVI International AIDS Conference, Toronto, Canada.

Bramson B, Chasela C, Hosseinipour M, Ahmed Y, Kourtis A, Knight R, Jafali R, Tegha G, Joaki G, Tien HS, Kazembe P, Jamieson D, van der Horst C for the UNC Project BAN Study Team. 2005.

Toxicity of Nevirapine and Zidovudine in HIV-infected Women with High CD4 Counts and Their Uninfected, Breastfeeding Infants in Malawi: The BAN Study. Abstract (#896) 43rd Annual Meeting of the Infectious Disease Society of America, San Francisco, CA.

White M, Muhidin SS, Stiff CR, Knight R. 2004. Migration and fertility in Ghana: An event history analysis. Presented at the annual meetings of the Population Association of America, Boston Massachusetts.

Cincotta RP, Engelman R, Anastasion D, Knight R. 2003. Discordant demographics, The demographic transition as a statistical determinant of the risk of civil conflict. Presented at the IUSSP Seminar on the Demography of Violence and Conflict, Oslo, Norway.

Knight R, Mancini D, Belzak L. 2001. A general single equation estimate of sample size for regression models. Poster presented at Population Association of America meeting in Atlanta, GA.

Knight R, Katende C, Lettenmaier C, Lainjo B. 1998. Do Information Campaigns and Integrated Programs Improve Knowledge Related to STDs and HIV/AIDS in Uganda? Presented at the annual meetings of the Population Association of America, Chicago Illinois.

Knight R. 1995. The Dynamics of the Diffusion of Information and Adoption of Contraception in Costa Rica. Presented at the annual meetings of the Population Association of America, San Francisco, California.

Knight, Rodney. 1994. Imputation of Ages of Children Missing from Birth Histories Created by Own-Children Methods. Presented at the annual meetings of the Population Association of America, Miami, Florida.

Casterline JB, Knight R. 1993. Social Structure and Fertility Change. Presented at the annual meetings of the Population Association of America, Cincinnati, Ohio.