

FHI 360-UNC Public Health Fellowship Program
Illustrative List of Previous Projects and Activities

<i>Projects / Activities</i>
<ul style="list-style-type: none"> ○ Updated a systematic review of mid- to long-acting contraceptive technologies in development ○ Worked on a systematic literature review manuscript summarizing menstrual pattern changes for LNG-IUS users ○ Conducted a cost-effectiveness analysis of strategies for ruling out pregnancy amongst new contraceptive clients in Kenya ○ Coded qualitative interviews on acceptability of new long-acting contraceptive methods in Uganda using NVivo ○ Managed content in "Calliope", the Contraceptive Pipeline Database
<ul style="list-style-type: none"> ○ Developed a logic model, analyzed baseline and endline data, cleaned clinical data, and lead the costing analysis for the Abundant Health Project, which aims to integrate non-communicable disease screening and treatment into primary care in Vietnam ○ Conducted a secondary analysis for future publication and Masters paper of baseline data from a postpartum family planning program in Rwanda to identify mediators and moderators of contraceptive use ○ Collaborated with a team to extract data, assess study quality, and create content for two systematic literature review manuscripts for publication on treatment retention and adherence for adults and adolescents living with HIV (ALHIV) and inform a USAID's Youth Power Action project ○ Created intervention content to be posted on the online Facebook group for ALHIV in Nigeria for the Youth Power Action project
<ul style="list-style-type: none"> ○ Supported the design, implementation, and analysis of a USAID-funded LINKAGES gender-based violence study in Latin America and the Caribbean ○ Supported the implementation of an NIH-funded pilot study aiming to improve HIV self-management among adolescents living with HIV in Zambia ○ Co-authored a review paper on the measurement of social norms affecting modern contraceptive use
<ul style="list-style-type: none"> ○ Developed English and Spanish language study protocols, interview guides, ethical review materials, and data collector training materials for a qualitative study exploring the nexus of gender-based violence, HIV, and service uptake among key populations (KPs) in Latin America and the Caribbean. ○ Co-facilitated a one-week data collector training with KP data collectors for a gender analysis, analyzed interview data, co-facilitated a data interpretation meeting with key stakeholders, and drafted technical briefs to inform gender-integrated programming for KPs in Kenya. ○ Reviewed literature, conducted key informant interviews, wrote a technical brief, and presented evidence-based interventions and promising practices to improve pre- and post-antiretroviral therapy retention and adherence.

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<ul style="list-style-type: none"> ○ Conceptualized and wrote 3 RU manuscripts: 1) Beginning with the end in mind: A partnership strategy for improving research uptake; 2) A research utilization framework for informing health and development policies and programs; 3) Research utilization strategies for improving evidence uptake in policies and programs: a scoping review ○ Developed RU framework with RU team ○ Drafted community-based quality improvement QI Brief for Uganda APC work ○ Supported development of survey tools for Emanzi evaluation in Uganda and Adolescent HIV study in Zambia; supported programming and checks into ODK and ACASI ○ Supported Evaluation for Integrated Development workshop in DC ○ Supported development of training curriculum for Emanzi and QI Learning/Coaching sessions
<ul style="list-style-type: none"> ○ Co-investigator on a mixed methods study in Burkina Faso and Uganda examining women’s contraceptive preferences ○ Updated a literature review of new non-hormonal targets for contraceptive research ○ Developed survey questions on access to and demand for implant removal services in Ethiopia and Kenya ○ Supported the FHI 360-UN Foundation +Social Good event and other activities at the 2016 International Conference on Family Planning in Nusa Dua, Indonesia ○ Assisted with market assessment of a levonorgestrel intrauterine system (LNG-IUS) in Kenya
<ul style="list-style-type: none"> ○ Developed, managed, and analyzed survey for organization network analysis for HIV prevention in Durham country (CFAR). Prepared manuscript for project. ○ Supported systematic review of global mhealth interventions for adolescent sexual and reproductive health. ○ Developed break-even cost model for m4RH in Tanzania at scale. Conducted sensitivity analysis using Crystal Ball. Prepared manuscript for project. ○ Helped develop “ARMADILLO” protocol in partnership with WHO to develop a new adolescent-focused sexual and reproductive health mobile phone intervention. ○ Other projects as needed.
<ul style="list-style-type: none"> ○ Conducted an evaluation on the effect of mobile phone job-aids on quality of family planning counselling in Tanzania. Conducted data analyses, wrote and submitted two manuscripts ○ Conducted the dissemination of the above findings with MoH and partners in Dar es Salaam. ○ Supported the development of a database to store m4RH data, developed an executed a break-even model for m4RH in Tanzania. Manuscript accepted. ○ Supported a review and assessment of evidence reporting use of mobile phones for ASRH. ○ Collaborated on the development of a few grant proposals and research protocols
<ul style="list-style-type: none"> ○ Conducted epidemiologic analysis of whether pregnancy increases risk of HIV acquisition. ○ Manuscript preparation of above analysis. ○ Conducted analysis of prevalence and correlates of poor mental health among postpartum women in Ethiopia. ○ Manuscript preparation of above analysis. ○ Investigated intersection of alcohol use, violence and HIV sexual risk behaviors among FSWs in Mombasa ○ Collaborated on development of grant proposals

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<ul style="list-style-type: none"> ○ Conducted qualitative analysis, assisted with preparation of dissemination materials, and contributed to R34 NIH grant application preparation (lit reviews + wrote theoretical section) for the HIV prevention amongst adolescents study in Zambia ○ Led manuscript development and conducted process evaluation and costing of intervention for promoting constructive male engagement study in Uganda ○ Data cleaning, quantitative analysis (descriptive statistics), and table construction for studies on misoprostol post-abortion care in Rwanda and microbicide delivery preparation in Kenya ○ Coding for LinCS to Durham study
<ul style="list-style-type: none"> ○ Co-author chapter on mixed methods research for public health textbook ○ Wrote manuscript on the use of vignettes in health research and submitted for publication ○ Conducted team analysis of qualitative data from a contraceptive use study in India ○ Analyzed data on high-risk men's relationships in Tanzania and Ghana for three manuscripts on relationship types, concurrency, risk for STIs, and condom use
<ul style="list-style-type: none"> ○ Manuscript preparation of qualitative data for the Alcohol Intervention study, looking at the alcohol reduction behavior change process for FSWs in Mombasa, Kenya ○ Analysis of geographic and demographic data from m4RH (Mobile for Reproductive Health) Tanzania participants using ArcGIS software ○ Protocol development for the adaptation of m4RH for young people in Rwanda ○ Assisted with the development of a concept note for USAID's Implementation Science RFA to evaluate mHealth programs in Ghana and Nigeria
<ul style="list-style-type: none"> ○ Manuscript preparation of baseline data for the Alcohol Intervention study, looking at factors associated with HIV testing frequency among FSWs in Mombasa, Kenya ○ Abstract submitted to AIDS 2012 on factors associated with FSWs in Mombasa, Kenya having never tested for HIV ○ Manuscript preparation examining factors associated with discontinuation of hormonal contraception among HIV-infected women ○ Assisted with manuscript development looking at adherence and discontinuation among HIV-infected women on both hormonal contraception and ART
<ul style="list-style-type: none"> ○ Literature review on attitudes of providers to FP/HIV integration ○ Data analysis on changes in FP service provision among HIV service providers in Nigeria ○ Manuscript writing on influence of partner opposition to unmet need for family planning among women who received care in facilities in Cross River State, Nigeria ○ Desk review on HIV risk and protective factors among young people living in post-conflict Liberia ○ Developed interviewer training materials for the "Behavioral survey of Most-at-risk adolescents and young people in Liberia" ○ Developed data entry materials using EpiData for the "Behavioral survey of Most-at-risk adolescents and young people in Liberia" ○ Data analysis for the "Behavioral survey of Most-at-risk adolescents and young people in Liberia" ○ Manuscript writing on factors associated with transactional sex among sexually-active females living in Montserrado, Liberia
<ul style="list-style-type: none"> ○ Conducted sexual network analysis using data from a network of female sex workers and other and other high-risk sexually active men and women in Ho Chi Minh City, Vietnam.

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<ul style="list-style-type: none"> ○ Manuscript preparation for Sexual Behavior Relationships and HIV Infection in Ho Chi Minh City, Vietnam (Network Protocol) data. ○ Proposal development for the second phase of the Network Protocol. ○ Qualitative report preparation for USAID on concurrency study in Uganda
<ul style="list-style-type: none"> ○ Manuscript preparation for HPTN 052 on baseline data and screening -to-enrollment ratios. ○ Prepared responses to reviewers, background research, and proposal development for International Test and Linkage to Care (iTLC) concept for HPTN. ○ Conducted qualitative analysis and wrote a paper from in-depth interview data based on how discordant couples in India identify HIV risk - and why they sometimes don't
<ul style="list-style-type: none"> ○ Conducted a DHS analysis and authored short paper on contraceptive method mix among limiters in East Africa, conducted a literature review on users' perspectives of Cyclofem in South East Asia, examined the potential impact of hormonal contraceptive use on maternal mortality in sub-Saharan Africa, prepared a country profile on Kenya in support of FEMPrEP activities, and assisted in analyzing recruitment data and writing a manuscript on recruitment methods from the Vietnam Site ID study.
<ul style="list-style-type: none"> ○ Contributed to development of a new initiative around Gender and Health at FHI. The Gender Working Group of FHI staff interested in learning more about how gender-related issues is now meeting monthly and also have created a distribution list for sharing resources. Contributed to development of a 45 page "Handbook of Resources: Gender and Health," which serves as a synthesis of publications, foundational information such as gender term definitions and integration frameworks, and helpful websites. ○ Member of the MAN (Men and Networks) Study, examining risk behavior among high risk heterosexual men in Tanzania and Ghana. Worked as both a quantitative and qualitative data analyst. Developed a codebook, conducted coding and analyzed the in-depth interviews from the study.
<ul style="list-style-type: none"> ○ Worked on the LinCS 2 Durham project. It is a community based participatory research project aimed at finding out how the Durham, NC community feels about HIV/AIDS prevention research. Worked with the community to build membership in our Collaborative Council, provided ethnographic field research in Durham, assisted with SOP development and focus group guides, researching ACASI software for the community survey, as well as providing photography for the project. The photography includes documenting the CBPR process in addition to providing staff portraits for the project website and facebook page.
<ul style="list-style-type: none"> ○ Worked on a proposal for an Intervention Study with young couples to help them examine potential sexual and reproductive health risks and adopt strategies to balance family planning and HIV prevention goals.
<ul style="list-style-type: none"> ○ Wrote a summary report and preparing a presentation on FP/PMTCT integration data. ○ HIV trials in South Africa with HPTN 062, researched behavioral scales and validated study instruments for an HIV Prevention Trials Network study.
<ul style="list-style-type: none"> ○ Conducted a secondary qualitative data analysis of microbicide acceptability data from couples in Pune, India, to look at how participation in a microbicide clinical trial affects couple's discussion of sexual relations, perceptions of sexual pleasure and willingness to use a microbicide.
<ul style="list-style-type: none"> ○ Worked on both the qualitative and the quantitative analyses of the USAID-funded Male Motivator Study being undertaken in Malawi, with Save the Children. Encourage the use of

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<p>family planning by targeting men through home visits by male educators. Intervention addressed gender norms, communication between couples, and community perceptions of family planning, in addition to information on family planning methods and use.</p> <ul style="list-style-type: none"> ○ Worked on the development of a NIH R01 proposal to study to systematically assess two important parameters associated with focus group methodology and to provide subsequent evidence-based recommendations. Data used for this study is on the stigma surrounding HIV/AIDS and related behavior carried out within the African American community in Durham, North Carolina. ○ Worked on the development of projects using SMS (text messaging) and mobile phone technology to promote contraceptive uptake, compliance and continuation in developing countries. Focus of research study will be the feasibility, reach and effectiveness of a family planning text messaging service. 	
<ul style="list-style-type: none"> ○ Conducted extensive literature review and aided in the preparation of a report for Merck Co. entitled <i>“Measuring Disinhibition in HIV Prevention Trials: Implications for Future Vaccine Trials”</i>. ○ Prepared IRB documentation, adapted protocol, questionnaires, consent forms, and training materials for the qualitative study <i>“Formative research to develop approaches and recommendations for obtaining assent and disclosing illness information (HIV status) to children in Lilongwe, Malawi”</i>. Will co-facilitate training for study staff in Lilongwe over the summer. 	
<ul style="list-style-type: none"> ○ Co-authored: Safety, Feasibility, and Acceptability of Community-based Distribution (CBD) of Depot Medroxy Progesterone Acetate (DMPA) in Madagascar (Quantitative study) ○ Qualitative analysis and prepared report on secondary HIV prevention in Rwanda ○ Contributed to manuscript, <i>“Provision of Injectable Contraceptives by Community-based Distribution Workers in Madagascar: Evidence of Innovation Success”</i> ○ Literature review of health services delivery in Malaria care (global). 	
<p><u>HIV infection:</u></p> <ul style="list-style-type: none"> ○ Developed research agenda to summarize previous research on recently HIV-infected individuals from biological, behavioral/social, and clinical standpoints and to prioritize unanswered research questions for future FHI research. ○ Developed study comparing HIV incidence using prospective and cross-sectional studies and identifying candidate populations for HIV prevention research in Ho Chi Minh City, Vietnam. ○ Manuscript preparation for new model of HIV prevention: Focusing HIV Prevention on Those Most Likely to Transmit the Virus. <p><u>Avian influenza:</u></p> <ul style="list-style-type: none"> ○ Developed research agenda to summarize previous research of avian influenza (in humans and in animals) and identify potential projects for FHI. 	
<ul style="list-style-type: none"> ○ Placebo Gel Study (EY-CL1). ○ Erythromycin Gel Dose Escalation Study (CY-CL2). ○ Emergency Contraception Labeling Study. ○ Feasibility of Randomized Trial to Evaluate the Effect of DMPA on STI ○ Literature review of safety issues of intrauterine quinacrine sulfate for non-surgical sterilization. 	

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<ul style="list-style-type: none"> ○ Case-control study: Review of pathology reports of gynecologic specimens from Vietnam women who underwent quinacrine sulfate nonsurgical sterilization.
<ul style="list-style-type: none"> ○ Finalized a manuscript on the accuracy of HIV projections in Malawi. ○ Helped with the data analysis of the KEMRI-FHI study when data become available. The general scope of work for the fellowship is to help with HIV site identification activities, especially in relation to estimating incidence rates from cross-sectional studies. ○ Helped with the FHI-KEMRI site identification study, a cross-sectional study for incidence estimation. ○ Prepared a spreadsheet that can be used for estimating incidence rates from age-specific prevalence. That involved looking at other similar models in particular a large software model called the Spectrum model of the AIDS epidemic, and a complex spreadsheet, in order to compare work with FHI. ○ The accuracy of the incidence estimates using cross-sectional data computed with the help of the spreadsheet were compared with incidence estimates from prospective cohort studies conducted in Nigeria and Kenya, for establishing the spreadsheets validity. ○ Completed other activities: <ul style="list-style-type: none"> ○ review of patents relating to a contraceptive invention ○ drafted a manuscript on the accuracy of HIV projections in Malawi ○ conducted several bibliography reviews relative to site identification, and prepared annotated spreadsheet listings of key abstracts and papers: ○ Rio De Janeiro and IAVI conference abstracts, looking for new sites/investigators; and ○ an annotated bibliography of literature on HIV prevalence data in Burkina Faso, in preparation for site evaluation. <ul style="list-style-type: none"> ○ drafted the formal report for the Burkina Faso site evaluation. ○ helped with preparation of the cross-sectional protocol in the Vietnam site evaluation project.
<ul style="list-style-type: none"> ○ 1st author of a Cochrane Review on hormonal contraception for women with sickle cell disease ○ Worked on a paper titled "Age differences at sexual debut and subsequent reproductive health: Is there a link?" using data from a YouthNet study of Youth, VCT and Linkages to Other Reproductive Health Services in Haiti. Developed a manuscript for a journal and the paper was presented at the APHA, 2006 and published in the Journal of Reproductive Health November 2008 issue.
<ul style="list-style-type: none"> ○ Helped set up a database related to complications from abortion and calculated several indicators that Ipas devised. The data came from AMDD's work in Nicaragua, Peru and Mozambique.