

ICAP Next Generation Internships 2022



ICAP's Next Generation Program is a multidisciplinary training initiative that provides students with internship and fellowship opportunities focusing on global public health.

Through the Next Generation Program, students engage in the design, implementation, and evaluation of ICAP-supported programs while working side-by-side with global health experts. Students will learn about health care delivery systems in low-resource settings while working on a discrete programmatic projects with ICAP team members. The Next Generation interns spend two to six months engaged in the design, implementation and/or evaluation of ICAP-supported programs in Africa, Asia and New York under the mentorship of ICAP NY and/or country staff.

This opportunity is open to students enrolled in one of the following schools at the Columbia University Irving Medical Center Campus:

- The Mailman School of Public Health
- The College of Physicians and Surgeons
- The College of Dental Medicine
- The School of Nursing

Application Components

- 1) Complete application form ([Please see this link to the application form.](#))
- 2) Current resume (no more than two pages)
- 3) Statement of interest addressing a few key questions
 - Why are you interested in global public health?
 - What are your goals for this internship experience?
 - What are your career goals?
 - What skills and experiences will you bring to ICAP?
- 4) One letter of recommendation

All application components should be submitted via the Qualtrics application in the link above. Letters of recommendation can be sent separately and directly from the recommender to icap-nextgen@cumc.columbia.edu or uploaded through Qualtrics. Applicants are responsible for confirming receipt of all materials.

All application components are due by Friday, February 18, 2022, by 11:59 PM

You can find more information about the Next Generation Internship Program by visiting ICAP website at:

<https://icap.columbia.edu/student-resources-archive/internships/>

If you have any questions, please contact icap-nextgen@cumc.columbia.edu You can also contact ICAP's Training and Education Program Officer, Claire Raether, at cr3144@cumc.columbia.edu.



ICAP Next Generation Internships 2022

ICAP Intern Equity Initiative

ICAP continues to take active steps towards becoming an antiracist organization, through promoting health equity and working to undo the systems of structural oppression that create health disparities seen around the world. To this end, we are committed to developing a workforce that reflects the diversity of the populations with whom we work. To support the diversification of the global public health workforces and provide opportunities to students from underrepresented groups access to global opportunities, ICAP will provide interns with additional funding to support their practicum experiences. Selected students from underrepresented populations with financial need are eligible to receive an additional \$3,000 in funding to support their practicum experience.

Application

Interested applicants must **first apply for the ICAP Next Generation 2022 practicum program**. Students interested in the additional funding must provide demographic and socioeconomic information to be eligible for the additional funding. Application components includes:

- Complete application form ([Please see this link to the application form.](#)) where you will include:
 - Current resume
 - Statement of interest
 - One letter of recommendation

All application components are due by Friday, February 18, 2022, by 11:59 PM

Candidates will be shortlisted for the additional funding and will be contacted by the recruitment team from ICAP.

For any questions about the additional funding opportunity, please contact icap-nextgen@cumc.columbia.edu. You can also contact ICAP's Training and Education Program Officer, Claire Raether, at cr3144@cumc.columbia.edu

ICAP Next Generation Internships 2022

Project Offerings

International The projects below allow for international travel to ICAP Country Offices and/or ICAP supported sites. ICAP follows all travel guidelines issued by Columbia University. If travel restrictions are implemented by the University, these projects will be made remote.

- Combination Intervention Strategy to Improve Health Outcomes for Adolescents Living with HIV (CombinADO), **Mozambique**
- Human Resources for Health Strategic Information System and Development of Key Indicators in **Various Sub-Saharan African Countries**
- Interventions to Support Maternal and Child Health and Early Infant Diagnosis in Nampula, **Mozambique**
- Mentor and Caregiver Support of Children Living with HIV in **Mozambique**
- Population-based HIV Impact Assessment (PHIA) Data Management and Analysis in **Tanzania**
- PrEP Implementation and Evaluation within Key Populations in **Central America based in Guatemala**
- Seroprevalence and Impact of COVID-19 among People Living with HIV in **Kenya** (I-COPE)
- Tracking with Recency Assays to Control the Epidemic (TRACE) Implementation and Data Analytics in **Rwanda**

US-Based The projects below are at site in New York City. Students will be expected to be in-person at the site or at ICAP Headquarter Offices at the Mailman School of Public Health.

- Community Outreach with the Harlem Prevention Center to Support HIV Prevention Trails Network and COVID-19 Prevention Network
- Data Monitoring and Quality Assurance with the Harlem Prevention Center to Support HIV Prevention Trails Network and COVID-19 Prevention Network

Remote The projects below are remote. Students will be expected to engage with the projects virtually.

- Impact of Social Media Campaign to Educate and Decrease Stigma of PrEP Among Young Men who Have Sex with Men
- Impact of Climate Change on HIV and other Infectious Diseases in Mozambique
- Population-based HIV Impact Assessment (PHIA) General Data Analysis
- SARS-CoV-2 Impact on Lives and Views of Elderly Residents (SILVER) Study in New York City
- Tracking with Recency Assays to Control the Epidemic (TRACE) Supporting Training and Program Evaluation

International Practicum Opportunity: Combination Intervention Strategy to Improve Health Outcomes for Adolescents Living with HIV (CombinADO), Mozambique



Mentor Elaine Abrams, Senior Research Director and Joana Falcao, CombinADO Research Coordinator

Internship Focus HIV and adolescents, implementation science, randomized control trial

Duration 3 months- June to August

Location Nampula, Mozambique

Required Skills

- Ability to speak and read Portuguese

Preferred Skills

- Experience working with adolescents

ICAP Mozambique Project Description

Funded by NIH, the CombinADO project aims to improve retention, adherence, and viral suppression among adolescents living with HIV in Nampula Province, Mozambique. Phase 1 (2018-2020) blended implementation science methods with a human-centered design approach, under which end-users and stakeholders participated in an intensive, iterative process of testing and refinement to develop a multi-component intervention strategy. During Phase 2 (2020-2023) the study will conduct a clinic-level cluster randomized controlled trial at 12 sites in Nampula Province (1,200 participants) to compare an optimized standard of care, featuring selected clinic and community level interventions developed during Phase 1, with the enhanced CombinADO strategy which includes mental health services, peer navigation support, and peer support groups.

As Phase 2 of the project is ongoing, the details of a specific scope of work to be developed with student in line with experience and interests.

Intern Activities

Intern activities include:

- Qualitative and/or quantitative data analysis
- Supporting implementation of randomized control trial
- Any duties or deliverable additionally identified by mentors and project lead

International Practicum Opportunity: Human Resources for Health Strategic Information System and Development of Key Indicators in Various Sub-Saharan African Countries



Mentor Susan Michaels-Strasser, Senior Director of Human Resources for Health

Internship Focus Human resources for health, data collection, strategic information

Duration 3 months- June to August

Location Final location to be determined but Kenya, Rwanda or Zambia

Preferred Skills

- Clinical background or current enrollment in a clinical field

ICAP Human Resources for Health Project Description

ICAP has 15 years of history engaged in strengthening Human Resources for Health (HRH) through education, training, and improved HRH management. HRH are the major cost driver and key input for delivering quality health services through the world. Strengthening the quality and quantity of the health workforce is a priority need, only made more urgent by the COVID -19 pandemic. Recently, PEPFAR launched an HRH expenditure analysis which gathers, on an annual basis, PEPFAR's support to country level health staff. Yet, the frameworks, policies and legislation which guide the health workforce are equally important. We are seeking a Next Generation Intern to compile key HRH data across all ICAP support countries that is not currently compiled on a regular basis through ICAP's HRH Strategic Information system or through PEPFAR's new HRH analysis. Examples of data to be collected include types of HRH regulatory bodies (for medicine, nursing, laboratory etc), professional associations, scopes of practice, remuneration, continuing education, continuing professional development requirements, availability of career advanced, and special interventions such as promotion of rural practice through rural training, rural secondment, and interdisciplinary training using a One Health approach.

Intern Activities

Intern activities include:

- Development of surveys and data collection tools
- Participation in data collection activities in collaboration with local stakeholders
- Compilation of a summative report on data finding with opportunity to develop manuscript
- Other duties assigned by NY mentor and in-country staff

International Practicum Opportunity: Interventions to Support Maternal and Child Health and Early Infant Diagnosis in Nampula, Mozambique



Mentor Fatima Tsiouris, Deputy Director Human Resources for Health, Monica Negrete, Clinical Director, and Eduarda Pimentel de Gusmao, Country Deputy Director

Internship Focus HIV, maternal and child health, program evaluation

Duration 3 months- June to August

Location Nampula, Mozambique

Preferred Skills

- Ability to speak and read Portuguese or Spanish highly preferred

ICAP Mozambique Project Description

ICAP in Mozambique provides comprehensive support at national and subnational level to HIV prevention, care, and treatment programs, as well as programs related to it, such as TB/HIV, maternal and child health (MCH), and prevention of mother to child transmission (PMTCT). In Nampula, a rural province located in the northern region and supported by ICAP since 2004, high rates of maternal to child HIV transmission rates and low coverage of early infant diagnosis (EID) persist. In 2019 ICAP started systematic review of all cases of positive PCR among HIV exposed infants (HEI) to identify and address key gaps in the MCH cascade. ICAP team developed a longitudinal tool that allowed review of key variables from the mother and child clinical care to identify missed opportunities. This intervention has led to an important increase in EID coverage and reduction of EID positivity rates at ICAP supported health facilities.

We would like to have an intern to work in close collaboration with the ICAP provincial and central level MCH team to review existing tools and variables and identify areas of improvement or update based on the program evolution, as well as support the development of a protocol to allow for publications.

Intern Activities

Intern activities include:

- Support development of a protocol in collaboration with the in-country and NY mentor
- Review existing tools and registers and conduct data chart abstraction
- Visit health facilities in coordination with ICAP team to understand data flow, existing and current sources, and participate in data discussion
- Meet with provincial and central level teams to review data from previous assessments, discuss challenges in use and interpretation of the current tools, identify areas for improvement and changes
- Revise current tools in collaboration with the in-country mentor

International Practicum Opportunity: Mentor and Caregiver Support of Children Living with HIV in Mozambique



Mentor Cassia Wells, Senior Technical Advisor for Adult HIV Prevention, Care & Treatment, Monica Negrete, Clinical Director, and Eduarda Pimentel de Gusmao, Country Deputy Director

Internship Focus HIV, maternal and child health, monitoring and evaluation

Duration 3 months- June to August

Location Nampula, Mozambique

Preferred Skills

- Ability to speak and read Portuguese or Spanish highly preferred

ICAP Mozambique Project Description

ICAP in Mozambique provides comprehensive support at national and subnational level to HIV prevention, care, and treatment programs, as well as programs related to it, such as TB/HIV, maternal and child health (MCH), and prevention of mother to child transmission (PMTCT). Mozambique transitioned children living with HIV to optimized regimens in a phased approach between Nov 2019 and Nov 2020. Despite the rapid transition, with 100% of all children living with HIV (CLHIV) on optimized regimens by February 2021, the impact on viral suppression has been limited. This has been mainly due to challenges in provision and uptake of pediatric formulations among caregivers and CLHIV. Aiming to address key challenges and promote peer support, ICAP has developed a specific caregiver’s support group called “mentors caregivers support group,” for parents and caregivers of children. The group allow for experience exchange between parents and caregivers, practical demonstrations, and sharing of success stories and challenges. An intern would support the review of existing tools and develop a monitoring and evaluation (M&E) framework to monitor key indicators and develop a protocol to allow for publications.

Intern Activities

Intern activities include:

- Review strategy SOP, support material and tools/registers
- Visit health facilities in coordination with ICAP team to participate group meetings, discuss with clinical and lay staff involved in the groups’ implementation
- Visit and review strategy tools and indicators with ICAP MCH and SI teams to understand data flow and existing sources
- Meet with provincial and central level teams to understand the strategy objectives and key areas to monitor to assess results, to inform tools revision and protocol development
- Revise current tools in collaboration with the in-country mentor
- Develop a protocol for publication in collaboration with the in-country and NY mentor

International Practicum Opportunity: Population-based HIV Impact Assessment (PHIA) Data Management and Analysis



Mentor Melissa Metz, Data Management and Informatic Lead, and Shannon Farley, Strategic Information Director

Internship Focus HIV, data analysis, strategic information

Duration 3 months- June to August or 6 months- June to December

Location Tanzania

Required Skills

- Experience with statistical analysis including using STATA, SAS, R, GIS or other software

Preferred Skills

- Experience with or interest in research design or health policy

ICAP PHIA Project Description

The PHIA Project, led by ICAP at Columbia University in partnership with the US Centers for Disease Control and Prevention (CDC), measures the reach and impact of HIV programs in PEPFAR-supported countries through national surveys. Each population-based HIV impact assessment (PHIA) survey offers participants household-based HIV counseling and testing conducted by trained survey staff, with return of results. The surveys also ask questions about access to preventive care and treatment services for adults and children. The results will measure national and regional progress toward UNAIDS' 90-90-90 goals and guide HIV policy and funding priorities. More information on PHIA can be found at [this link](#).

The internship will focus on supporting the PHIA project's data management team in return of results, data cleaning, investigation of new technologies, documentation, and analysis of data collected through the surveys including PHIA and other datasets.

Intern Activities

Intern activities include:

- Run and improve reports for return of participant lab results, assist with dataset cleaning and management, conduct basic data analyses, summarize data in written format for reporting.
- Meet weekly or bi-weekly with research mentor on progress of project status
- Use a data analytics tool such as SAS, STATA, or R
- Support report generation for CDC and other partners as needed
- Assist with prompt review of all data queries and resolution,
- Other duties as assigned by the Data Management and Informatics Lead, Strategic Information Director, and other investigators

International Practicum Opportunity: PrEP Implementation and Evaluation within Key Populations in Central America



Mentor Juliana Soares Linn, Deputy Director, Disease Prevention and Ricardo Mendizabal, Regional Director for Central America

Internship Focus HIV, PrEP, key population, project implementation, and program evaluation

Duration 3 months- June to August

Location Guatemala City, Guatemala

Required Skills

- Ability to speak and read Spanish

ICAP Central America Project Description

Although the number of people living with HIV in Central America is fairly low compared to other countries, high rates of infection are found among vulnerable populations such as men who have sex with men and transgender women. Gaps exist along the HIV prevention and care cascade for these populations, making it difficult for countries to reach the UNAIDS 95-95-95 goals. ICAP is working with the Centers for Disease Control and Prevention (CDC), the Ministry of Health, President's Emergency Fund for AIDS Relief (PEPFAR) implementers, and civil society groups. These partnerships aim to improve current practices and to fast-track local capacity to meet national, PEPFAR, and UNAIDS goals by implementing innovative, effective, and comprehensive capacity-building strategies that strengthen service delivery and human resources for health.

A growing project of ICAP in Central American is PrEP implementation for vulnerable populations, but various obstacles limit the expansion of access to this preventative intervention. PrEP implementation needs to be evaluated and reviewed to build and improve the program's expansion and efficacy.

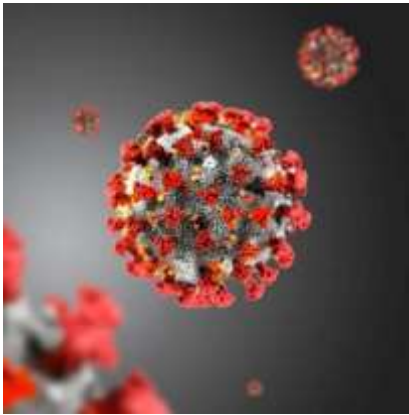
Intern Activities

Intern activities include:

- Qualitative and/or quantitative data collection and analysis
- Development of implementation strategies and review of current program implementation
- Collaboration with key national and local stakeholders to design interventions for PrEP delivery in key populations
- Any duties or deliverable additionally identified by mentors and project lead

The details of a specific scope of work to be developed with student in line with experience and interests.

International Practicum Opportunity: Seroprevalence and Impact of COVID-19 among People Living with HIV in Kenya (I-COPE)



Mentor Karampreet Sachathep, Associate Director, PHIA Project

Internship Focus COVID-19, HIV, data collection and analysis

Duration 6 months- June to December

Location Western Kenya

Preferred Skills

- Experience with data analysis and data management

ICAP Kenya Project Description

The SARS-CoV-2 Seroprevalence and Impact of COVID-19 among People Living with HIV in Kenya (I-COPE) Study is a one-year prospective cohort study that will evaluate the change in SARS-CoV-2 seroprevalence and baseline prevalence of active SARS-CoV-2 infection, as well as the incidence and impact of COVID-19 among PLHIV receiving HIV treatment services at two health facilities in Western Kenya.

The student will assist in all aspects of pre-implementation and implementation of the project, including assisting with SOP development, monitoring of electronic data and data reviews. The student will be able to work through a project from its inception until it gets into the field.

Intern Activities

Intern activities include:

- Development of standard operating procedures (SOPs) for the study
- Designing and developing tools including questionnaires, forms for field study, and training material
- Implementation of study protocols including monitoring field work and reviewing data
- Qualitative and/or quantitative data analysis
- Any duties or deliverable additionally identified by mentors and project lead

International Practicum Opportunity: Tracking with Recency Assays to Control the Epidemic (TRACE) Implementation and Data Analytics in Rwanda



Mentor Eugenie Poirot, Senior Technical Advisor – Strategic Information

Internship Focus HIV, data analysis, recency testing

Duration 3 months- June to August

Location Rwanda

Required Skills

- Basics data cleaning and analysis (preferably using R, SAS, or STAT)

Preferred Skills

- Ability to speak and read French

ICAP TRACE Project Description

With funding from the U.S President’s Emergency Plan for AIDS Relief (PEPFAR) through the Centers for Disease Control and Prevention, ICAP is working in collaboration with CDC, ministries of health, and local implementing partners to support the roll out and scale-up of HIV recent infection surveillance.

Through the Tracking with Recency Assays to Control the Epidemic (TRACE) project, ICAP supports countries to build near real-time data systems to detect, characterize, monitor, and intervene on recent infection among newly diagnosed people living with HIV (PLHIV). With increasing use of recency testing globally, ICAP, in an effort to build the evidence base and demonstrate the impact of recency testing, is implementing an evaluation study in Rwanda. The goal of the study is to evaluate the impact of HIV recency testing on yield of index testing and the risk of adverse events or social harm (i.e., intimate partner violence (IPV), dissolution of partnership, etc.) resulting from the return of recency results to newly diagnosed PLHIV.

Intern Activities

Intern activities include:

- Conduct and summarize findings from a literature review to explore and substantiate existing knowledge of a research question of interest
- Collect original data (e.g., through interviews and/or chart reviews)
- Write a summary report of an analysis that includes a description of methods, a presentation of results (tables, graphs, and explanatory text), and a discussion highlighting findings, limitations of the data, interpretation of given limitations, conclusions, and recommendations
- Deliver an oral presentation of an analysis with time for questions and answers to NY and in-country staff
- Write an abstract of an analysis and prepare, display, and discuss/deliver oral/poster presentation at a scientific conference

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US-based Practicum Opportunity: Community Outreach with the Harlem Prevention Center to Support HIV Prevention Trails Network and COVID-19 Prevention Network



Mentor Darien Thomas, Community Educator

Internship Focus HIV, community outreach, clinical trials

Duration 3/6 months- June to August or December

Location New York City

Preferred Skills

- Experience working with diverse communities including LGBTQ, Black, and Latino populations

ICAP Harlem Prevention Center Project Description

ICAP's Harlem Prevention Center is a hub for research and service delivery in an area of the city that has been historically underserved and disproportionately impacted by the HIV epidemic. ICAP works with local community-based organizations, community boards, political groups, religious leaders, and advocates to engage vulnerable populations in HIV testing, care, and treatment. The Harlem Prevention Center seeks two student interns to support current and upcoming HIV Prevention Trials Network (HPTN), CoVID-19 Prevention Network (CoVPN), and industry sponsored clinical trials. Under the supervision of the Community Educator, the student will contribute to the site's community engagement, education, and outreach efforts. They will assist with building awareness, interest, and participation in clinical research initiatives of HPC, as well as work with HPC's outreach team to monitor and support recruitment and retention.

Intern Activities

Intern activities include:

- Contribute to all aspects of recruitment including, but not limited to, identifying candidate pools to recruit from; conducting phone screens; assisting in developing recruitment material; reviewing potential participants to evaluate if they meet study requirements; coordinating recruiting initiatives; attending fairs for recruiting and contributing to social media accounts.
- Contribute to the development and conduct of educational presentations for stakeholders and diverse groups representing prospective study participants.
- Contribute to the development and implementation of study participant retention efforts.
- Perform informal presentations about the studies conducted at Harlem Prevention Center at support groups or community-based organizations with the community outreach team.
- Attend outreach fairs and events as well as health symposiums related to the studies' target population with the community outreach team.
- Maintain professional behavior in non-traditional work settings (night clubs, public venues, informal gatherings, etc.)
- Conduct all research activities in accordance with study protocol, standard operating procedures and other appropriate institutional regulations, procedures and policies, including procedures to safeguard confidentiality of study participants.

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US-based Practicum Opportunity: Data Monitoring and Quality Assurance with the Harlem Prevention Center to Support HIV Prevention Trails Network and COVID-19 Prevention Network



Mentor Madelyn Goodman, Senior Data Manager

Internship Focus HIV, data analysis and data quality, clinical trials

Duration 3/6 months- June to August or December

Location New York City

Preferred Skills

- Experience working with research and data management

ICAP Harlem Prevention Center Project Description

ICAP's Harlem Prevention Center is a hub for research and service delivery in an area of the city that has been historically underserved and disproportionately impacted by the HIV epidemic. ICAP works with local community-based organizations, community boards, political groups, religious leaders, and advocates to engage vulnerable populations in HIV testing, care, and treatment. The Harlem Prevention Center seeks two student interns to support current and upcoming HIV Prevention Trials Network (HPTN), CoVID-19 Prevention Network (CoVPN), and industry sponsored clinical trials. Under the supervision of the Senior Data Manager, the student will contribute to study implementation and perform data quality control and quality assurance activities according to study-specific procedures and site standard operating procedures.

Intern Activities

Intern activities include:

- Conduct data monitoring, quality assurance, and quality control on data collected for multiple studies, including:
 - Review eligibility criteria of screened study participants for enrollment, including review of eligibility case report forms, source documents and informed consent forms.
 - Assist with submission of study forms to the statistical and data management center.
 - Assist with prompt review of all data queries and their immediate resolution.
 - Identify problem areas with data collection, report findings to the project's leadership, and develop appropriate corrective measures with input from the team.
- Assist in summarizing data and preparation of presentations for scientific meetings.
- Develop research questions of interest utilizing available site data from completed studies to conduct analysis and create a poster presentation for final practicum deliverable.
- Attend weekly staff meetings to discuss progress of the studies involved and research related issues.
- Conduct all research activities in accordance with study protocol, standard operating procedures and other appropriate institutional regulations, procedures and policies, including procedures to safeguard confidentiality of study participants.
- Other duties as assigned by the Site Coordinator and Investigators

Remote Practicum Opportunity: Impact of Social Media Campaign to Educate and Decrease Stigma of PrEP Among Young Men who Have Sex with Men



Mentor Joanne Mantell, Professor of Clinical Medical Psychology (in Psychiatry)

Internship Focus HIV, PrEP, social media, qualitative analysis

Duration 3/6months- June to August or December

Location Remote

Preferred Skills

- Interested in social media impact analysis

Project Description

ICAP is conducting a study that entails development of a social media campaign that aims to educate about PrEP, increase positive attitudes toward PrEP, and reduce PrEP stigma among young Latino and Black men who have sex with men. We are enlisting social media influencers with millions of followers on multiple social media platforms (e.g. Facebook, Instagram, Twitter, Tumblr, gay websites) who have a history of sexual health engagement with their followers and who can be credible sources of information about PrEP.

The student will support with the evaluation of the social media campaign via multiple strategies. This will entail developing procedures for retrieving qualitative data collected through the online conversational text between influencers and followers that will be generated on the social media platforms as well as analyzing the qualitative data on reach, share, amount and tone or PrEP messaging.

Intern Activities

Intern activities include:

- Developing systems for retrieving study-related social media postings from various platforms
- Analyzing qualitative data and quantitative metrics from the social media postings
- Other duties as assigned by mentor

Remote Practicum Opportunity: Impact of Climate Change on HIV and other Infectious Diseases in Mozambique



Mentor Andrea Low, Scientific and Clinical Director

Internship Focus HIV, climate change, data analysis

Duration 3 months- June to August

Location Remote

Preferred Skills

- Interest in or knowledge in climate or natural disasters
- Experience with or interest in spatial epidemiology using mapping software such as GIS or QGIS
- Experience with statistical analysis including R, SAS, or STATA

S4S PHIA Project Description

The PHIA Project, led by ICAP at Columbia University in partnership with the US Centers for Disease Control and Prevention (CDC), measures the reach and impact of HIV programs in PEPFAR-supported countries through national surveys. More information on PHIA can be found at [this link](#). The 2020 Solutions for Sustainability (S4S) collaboration with the Earth Institute evaluates consequences of shocks on the health system in Mozambique including cyclones and COVID-19.

The practicum will focus on supporting students in researching questions tailored on climate change and/or climate shocks as it relates to HIV and other infectious diseases. The student(s) will support the burgeoning research to analyze publicly available data collected through the surveys including S4S, DHS, PHIA and other datasets under the mentorship of Survey Coordinator and/or Clinical and Research Director. Potential analytical methods can include: applied linear regression, geospatial analyses, latent variable and structural equation modeling (LVSEM), and more.

Intern Activities

Intern activities include:

- Identify research and project topic in collaboration with mentor on topics ranging from: climate change, climate shocks, health system capacity, HIV, enteric disease, key populations, and more.
- Meet biweekly with research mentor on progress of project status
- Use a data analytics tool such as STATA, SAS, SPSS, or R
- Use of geospatial tool such as GIS or QGIS
- Assist with prompt review of all data queries and resolution,
- Other duties as assigned by the Clinical and Research Director, and other investigators
- Complete final deliverable: final paper for journal article submission including data analysis

Remote Practicum Opportunity: Population-based HIV Impact Assessment (PHIA) General Data Analysis



Mentor Andrea Low, Scientific and Clinical Director

Internship Focus HIV, surveys, data analysis

Duration 3 months- June to August

Location Remote

Preferred Skills

- Experience writing research publications
- Experience with statistical analysis including GIS, R, SAS, STATA

ICAP PHIA Project Description

The PHIA Project, led by ICAP at Columbia University in partnership with the US Centers for Disease Control and Prevention (CDC), measures the reach and impact of HIV programs in PEPFAR-supported countries through national surveys. Each population-based HIV impact assessment (PHIA) survey offers participants household-based HIV counseling and testing conducted by trained survey staff, with return of results. The surveys also ask questions about access to preventive care and treatment services for adults and children. The results will measure national and regional progress toward UNAIDS' 90-90-90 goals and guide HIV policy and funding priorities. More information on PHIA can be found at [this link](#). The recent PHIA's have extensive questions on migration and on NCDs, including mental health and alcohol use. There is also an ongoing Refugee PHIA in Uganda which will have data available for analysis in the summer of 2022.

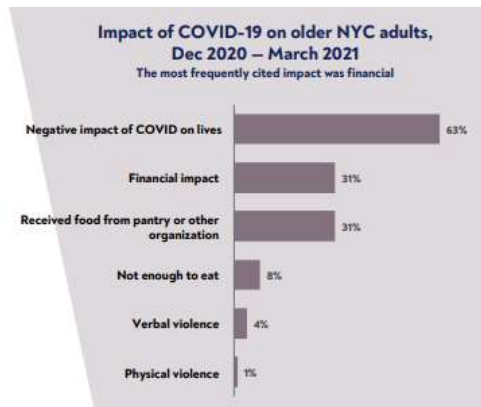
The practicum will focus on supporting students in developing their own research questions and interests and support the PHIA's research and regulatory team to analyze publicly available data collected through the surveys including PHIA and other datasets under the mentorship of the Clinical and Research Director. Potential analytical methods can include: applied linear regression, geospatial analyses, latent variable and structural equation modeling (LVSEM), and more.

Intern Activities

Intern activities include:

- Identify research and project topic in collaboration with mentor on topics ranging from: HIV co-infections, behavioral risk factors, viral load suppression, accessibility models, climate change, health system capacity, key populations, and more.
- Meet weekly with research mentor on progress of project status
- Use a data analytics tool such as STATA, SAS, GIS, or R
- Support report generation for CDC and other partners as needed
- Assist with prompt review of all data queries and resolution,
- Other duties as assigned by the Survey Coordinator, Clinical and Research Director, and other investigators
- Complete final deliverable: final paper for journal article submission including data analysis

Remote Practicum Opportunity: SARS-CoV-2 Impact on Lives and Views of Elderly Residents (SILVER) Study in New York City



Mentor Abigail Greenleaf, Technical Specialist

Internship Focus COVID-19, elderly populations, data analysis

Duration 3 months- June to August

Location Remote

Preferred Skills

- Proficiency in R, SAS, or STATA
- Experience in writing results reports

ICAP SILVER Project Description

The COVID-19 pandemic, caused by SARS-CoV-2, has resulted in over 225,000 deaths in the United States, of which over 24,000 were reported from New York City (NYC). The elderly population has been noted to be particularly vulnerable to infection as well as to experience higher morbidity and mortality from COVID-19. The *SARS-CoV-2 Impact on Lives and Views of Elderly Residents (SILVER study)* aims to collect comprehensive data about the effects of the COVID-19 pandemic on older NYC residents. The phone-based survey offers a simple and accessible approach to data collection from among the most vulnerable of NYC residents in the safety and convenience of their home.

The overall purpose of the study is to assess the impact of COVID-19 on the lives and well-being of elderly populations in NYC by conducting surveillance of their present experiences and insights during the COVID-19 pandemic with the goal of shaping an effective response to their needs. The primary objective is to estimate the prevalence of depressive symptoms. Secondary objectives include estimating prevalence of prior or current COVID-19 diagnosis; prevalence of COVID-19-related economic and social challenges; adoption of non-pharmacological interventions recommended for SARS-CoV-2 infection prevention and control; clinical and social needs and issues related to access to health services; change over time in various parameters and relation to concurrent status of COVID-19 epidemic in NYC; association between various socio-demographic characteristics and depressive symptoms.

Intern Activities

Intern activities include:

- Analyze data
 - Responding to primary and secondary objectives but the student would also have the opportunity to answer research questions of interest to them
- Write-up results
 - For both white papers and publication
 - Prepare data briefs for dissemination among stakeholders

Remote Practicum Opportunity: Tracking with Recency Assays to Control the Epidemic (TRACE) Supporting Training and Program Evaluation



Mentor Claire Steiner, Health Information Advisor and Koen Frederix, Senior Implementation Advisor

Internship Focus HIV, recency testing, training, program evaluation

Duration 3 months- June to August

Location Remote

Preferred Skills

- Ability to speak and read French

ICAP TRACE Project Description

With funding from the U.S President’s Emergency Plan for AIDS Relief (PEPFAR) through the Centers for Disease Control and Prevention, ICAP is working in collaboration with CDC, ministries of health, and local implementing partners to support the roll out and scale-up of HIV recent infection surveillance using a HIV-1 rapid test for recent infection (RTRI) assay.

Through the Tracking with Recency Assays to Control the Epidemic (TRACE) project, ICAP supports countries in sub-Saharan Africa, Central America, and Asia to build near real-time data systems to detect, characterize, monitor, and intervene on recent infection among newly diagnosed people living with HIV (PLHIV). Identifying individuals with recently acquired HIV infection is critical in offering interventions to improve health outcomes and prevent onward transmission to at-risk networks. Recent infection testing also offers opportunities to identify geographic areas and/or sub-populations with high potential of HIV transmission, enabling HIV programs to launch a rapid response tailored to the needs of specific populations or contexts.

Intern Activities

Intern activities include:

- Write a summary report describing master training/step down training, including compilation, presentation, and interpretation of pre/post certification data
- Consolidate and integrate inputs from data use workshop into draft public health response strategy for circulation to relevant stakeholders
- Write program evaluation report that summarizes and presents results (tables, graphs, and explanatory text), findings, and recommendations from review of program performance data
- Deliver an oral presentation of an analysis with time for questions and answers to NY and in-country staff