



# 2019 RESEARCH PROJECT



Inspiring Excellence

# CENTRE OF EXCELLENCE FOR GENDER, SEXUAL AND REPRODUCTIVE HEALTH AND RIGHTS (CGSRHR)

## HUMANITARIAN RESEARCH:

### A Qualitative Evaluation of BRAC Humanitarian Play Lab (HPL) Model in Rohingya Camps in Bangladesh

**PI:** Professor Kaosar Afsana, BRAC JPGSPH

**Technical Advisor:** AKM Mazharul Islam, Adjunct Professor, BRAC

JPGSPH; Professor Sabina Faiz Rashid, Dean and Director, CGSRHR

Implemented Under: Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** This study aims to understand what makes the HPL model unique in the Rohingya refugee camp setting. We will explore and document the life history and experiences of Rohingya families, learn indigenous knowledge, attitudes and practices of the community in terms of ECD and play-based learning, evaluate HPL's impact on learning, healing and coping of children, children's acceptance of HPL and play based learning, how Rohingya cultural aspects and practices are being preserved through the model and what impact it has on social cohesiveness.

**Grant Amount:** USD 75,000

**Donor:** BRAC Institute of Educational Development (BRAC IED)

**Timeline:** February 2019 – December 2023



## HUMANITARIAN RESEARCH:

### Health Seeking Behaviour for SRH Services of Rohingya Women in Rohingya Camps of Cox's Bazar: An Ethnographic Study

**PI:** Professor Kaosar Afsana, BRAC JPGSPH **Co-PI:** Atiya Rahman, Senior Research Fellow (former) **Technical Advisor:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR; Professor Zahidul Quayyum, Co-Director Research and Co-Director, CUEH; AKM Mazharul Islam, Adjunct Professor, BRAC JPGSPG

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** The aim of this ethnographic assessment was to investigate the women's and community perceptions and behaviours influencing healthcare-seeking practices related to pregnancy, childbirth, newborn care and family planning.

**Specific Objectives:** 1. To understand the socio-cultural and religious beliefs and practices around pregnancy, childbirth, newborn care and family planning 2. understand the decision-making process of family dynamics with regards to seeking antenatal, delivery, postpartum and newborn care 3. To identify the challenges in health-seeking for pregnancy, child birth, newborn care and family planning services from providers as well as women's perspectives.

**Grant Amount:** USD 144,067

**Donor:** World Health Organization (WHO) in Cox's Bazar

**Timeline:** 18 March 2019 – 31 July 2019



## A study of sexual and reproductive health and rights (SRHR) of persons with disabilities (PWDs) in Bangladesh

**PI:** Md Tanvir Hasan, Associate Professor, and Co-Director, CUEH  
**Co-PI:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR  
**Coordinator:** Irin Akhter, Deputy project Coordinator  
Implemented Under: Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** To understand SRHR needs, knowledge about SRHR, SRH sufferings, perception around sex and sexuality and barriers in accessing SRH services for PWDs in Bangladesh through primary research. Secondary review of existing interventions and/or services relevant to SRHR of PWDs, identify gaps in currently implementing interventions and/or services and recommend strategies to improve delivery of efficacious interventions and/or services

Review existing laws and policies relevant to SRHR and disability in Bangladesh and explore barriers to the implementation of laws and policies and recommend strategies for improvement.

**Grant Amount:** USD 556,728.55

**Partners:** Directorate General of Health Services (DGHS) of Ministry of Health and Family Welfare (MoHFW) is providing technical assistance

**Donor:** The Royal Kingdom of Netherlands

**Timeline:** November 2018 to May 2020



## Countering Backlash and Reclaiming Gender Justice

**PI:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR  
**Coordinator:** Ishrat Jahan, Research Associate; Aisha Siddika, Sr. Researcher  
**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

### Objective:

- Understanding and countering the backlash against gender equality.
- Addressing the erosion of gender justice agendas within the development.
- Identifying new opportunities for feminist action and impact, within a context of shrinking civic space for women's movements and rights defenders.

**Partners:** IDS - Sussex University, BIGD, Centre for Health and Social Justice - CHSJ (India), Kenya (University of Nairobi and Advocates for Social Change – Kenya, ADSOCK), Uganda (Centre for Basic Research, CBR, and the Refugee Law Project, RLP/Makerere University), Lebanon (Arab Institute for Women, AiW/Lebanese American University, LAU), Egypt (American University in Cairo), Palestine (Birzeit University) and Brazil (University of Bahia).

**Donor:** SIDA

**Grant Amount:** USD 176,558

**Timeline:** 2019 -2024

## Mobilizing for a Research Revolution to Ensure LGBTIQ Inclusion in Asia: A High-impact, Transformative International Partnership (MFARR-Asia)

**PI:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR; Peter Newman (University of Toronto)

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR; Maruf Rahman, Research Assistant

**Focal:** Maruf Rahman, Research Assistant

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

### Objective:

- To generate a shared understanding of characteristics and priorities of LGBTIQ inclusion in six sectors: education, employment, family, violence/security, health and political participation
- To measure and monitor LGBTIQ inclusion in four countries (India, Thailand, Bangladesh and Hong Kong) over time
- To identify model programs and initiatives, and good practices to support LGBTIQ inclusion
- To increase access to and use of knowledge by community-based organization (CBO) and intergovernmental organization (IGO) partners through innovative knowledge mobilization, including participatory video.

**Partners:** 1. Oboyob – Diversity Circle, 2. Bandhu Social Welfare Society

**Donor:** Social Sciences and Humanities Research Council of Canada

**Timeline:** November 2019 – March 2024



## HUMANITARIAN RESEARCH: Learning Through Play: Looking into Play Lab in Government Primary School in Bangladesh

**PI:** Professor Kaosar Afsana

**Co-PI:** Mrinmoy Samadder, Sr. Research Fellow

**Coordinator:** Mrinmoy Samadder, Sr. Research Fellow

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

### Objective:

- To illustrate the lessons learnt in mainstreaming play based learning model among 4-5 year children into the Government Primary School.

### Specific objective:

- To understand the perspectives of community and key stakeholders about play based learning model;
- To describe the changes in the development of children exposed to the activities of the Play Lab; and
- To document the driving force for and the challenges to initiating and implementing the Play Labs in the government primary spaces

**Grant Amount:** USD 15,243

**Donor:** BRAC Institute of Educational Development (BRAC IED)

**Timeline:** Feb 2019-Jul 2019; 15 September 2019 - January 2020

## **BRAC – Disrupting Cross Border Trafficking Networks in Jashore, Bangladesh**

**PI:** Farhana Alam, Assistant Director, CGSRHR

**Co-PI:** Dr Tanvir Hasan, Associate Professor and Co-Director, CUEH

**Coordinator:** Sophia Kaufman

**Technical Advisor:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR

**Focal:** Farhana Alam, Assistant Director, CGSRHR

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

### **Objective:**

1. To conduct formative research during inception to understand the gaps and barriers that might inhibit effective CBT programming in Jashore
2. To conduct operational research (in close coordination with monitoring teams and the digital monitoring system) to understand how and why the project is able to achieve objectives or not, and inform fast adaptations and improvements on how to move to scale effectively
3. To conduct baseline and end line surveys and evaluation report to understand project performance against the project results framework.

**Grant Amount:** USD 100,000

**Partners:** Bangladesh Legal Aid and Services Trust (BLAST)

**Donor:** Children Investment Fund Foundation (CIFF) - UK

**Timeline:** November 2019-April 2021



## **Strengthening Voices and Capacities for Addressing Gender Based Violence with BLAST**

**Lead:** Professor, Sabina Faiz Rashid, Dean

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR; Mostafizur Rahman, Assistant Coordinator

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** This implementation project aims to address the over-arching goal of reducing gender-based violence (GBV) prevalent in Bangladesh's society. We will build capacity, disseminate knowledge, sensitize and help create voices among the young people from universities, development practitioners, professional legal practitioners, media and other key stakeholders, so that issues raised around the intersectionality of concepts like gender, sexuality SRHR and gender-based violence can be addressed effectively.

**Grant Amount:** USD 140,346

**Partners:** BRAC

**Donor:** Creating Resources for Empowerment and Action (CREA)

**Timeline:** January 2019 – September 2020



## Strengthening Voices and Capacities for Addressing Gender Based Violence

**Lead:** Professor, Sabina Faiz Rashid, Dean

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR; Mostafizur Rahman, Assistant Coordinator

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** N/A

**Grant Amount:** USD 140,054

**Donor:** Creating Resources for Empowerment and Action (CREA)

**Timeline:** January 2019 – September 2020



## Promoting Rights Through Inclusion and Empowerment (PRiTIE)

**Lead:** Professor, Sabina Faiz Rashid, Dean

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR; Mostafizur Rahman, Assistant Coordinator

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** 1. To address discriminatory laws, policies and practices related to marriage and sexual violence in the context of Bangladesh and international human rights standards.  
2. To create platforms for university students and young professionals in the project area to express their views and experiences on their freedom to express, choose, and consent to matters related to their own lives, and strengthen their knowledge and understanding and increase their participation in ensuring their rights.  
3. To enhance the capacity of service providers on SRHR.

**Grant Amount:** USD 311,515

**Partner:** Bangladesh Legal Aid and Services Trust (BLAST)

**Donor:** Swedish Association for Sexuality Education (RFSU)

**Timeline:** January 2019 – September 2020

## Where Do They Go? Documentary on Accessibility of SRHR Services for Single Working Women in Urban Bangladesh

**PI:** Farhana Alam, Assistant Director, CGSRHR

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** This documentary aims at breaking the silence and knowledge gap around the SRHR needs of single/unmarried young women in Bangladesh.

**Grant Amount:** USD 10,800

**Partner:** Bohnishikha-Unlearn Gender

**Donor:** Sharenet International

**Timeline:** July 2018–February 2019





## Photo narrative: Effective inclusion through skills development

**PI:** Farhana Alam, Assistant Director, CGSRHR

**Co-PI:** Wafa Alam, Research Associate

**Coordinator:** Farhana Alam, Assistant Director, CGSRHR; Wafa Alam, Research Associate

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** -To explore the experiences of women in non-conventional trades, Transgender (TG) individuals and Persons with Disabilities (PWDs) after graduation from SDP STAR Program

-To understand their need for support after graduation in order to ensure sustainable social inclusion.

**Grant Amount:** USD 24,000

**Partner:** BRAC Skill Development Program

**Donor:** BRAC Skill Development Program

**Timeline:** September 2019-February 2020

## RIGHT HERE RIGHT NOW (RHRN)

**PI:** Professor Sabina Faiz Rashid, Dean and Director CGSRHR

**Co-PI and Focal Person:** Kuhel Islam, Senior Coordinator

**Implemented by:** The Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** To harness the collective and catalytic strengths of inclusive and diverse partnerships to drive multi-level advocacy initiatives in a policy environment that is responsive to young people's realistic needs. RHRN Bangladesh performs Multi-level advocacy for: Comprehensive Reproductive Health and Sexuality Education for youth and adolescents, increased social tolerance towards gender expressions and youth-friendly SRHR services.

**Grant Amount:** USD 42,554

**Partners:** BRAC Education Programme, BRAC; RHSTEP, Bandhu Social Welfare Society (Bandhu), Naripokkho, SERAC-Bangladesh, Family Planning Association of Bangladesh (FPAB), Oboyob, BLAST, United for Body Rights (UBR) Alliance, Bangladesh Mahila Parishad, Dance4Life, Arrow / HiVOS

**Donor:** RUTGERS

**Timeline:** July 2017-October 2020



## MALE YOUTH AND THEIR SEXUAL AND REPRODUCTIVE HEALTH AND RIGHTS (SRHR) IN BANGLADESH: A MIXED-METHODS NATIONWIDE STUDY

**PI:** Professor Sabina Faiz Rashid, Dean and Director CGSRHR

**Coordinated by:** Farzana Misha, Research Coordinator

**Qualitative Lead:** Subas Chandra Biswas, Senior Research Fellow

**Implemented Under:** The Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** This study aims to explore the SRH needs of male youth (aged 15-24) in Bangladesh by exploring existing SRH interventions; identifying the gaps and challenges to improve SRH interventions and/or services; and identifying the barriers of implementation and recommendations for policy advocacy.

**Grant Amount:** USD 521,938

**Donor:** Embassy of the Kingdom of the Netherlands

**Timeline:** December 2018-December 2020



## HUMANITARIAN RESEARCH:

### A Story of the Evolution of BRAC Humanitarian Play Lab (HPL) in Rohingya Camps of Bangladesh

**PI:** Professor Kaosar Afsana, BRAC JPGSPH

**Coordinator:** Nazrana Khaled, Research Associate

**Objective:** To undertake a process documentation study outlining the story of BRAC Institute of Educational Development (BIED) and BRAC Humanitarian Crisis Management Programme (HCMP) run Humanitarian Play Lab (HPL) for children aged 0-6 years in the Rohingya refugee camps in Cox's Bazaar.

**Grant Amount:** USD 90,742

**Donor:** BRAC Institute of Educational Development (BIED)

**Timeline:** The PD began in Feb 2019 and will continue till 2023. The first phase of the process documentation exercise is complete.



## HUMANITARIAN RESEARCH:

### Feasibility Assessment and Implementation Research for Delivering Integrated Comprehensive SRHR Services for Rohingya Refugees in Cox's Bazar, Bangladesh

**PI:** Professor Sabina Faiz Rashid, Dean and Director CGSRHR

**Co-PI:** Md Tanvir Hasan, Associate Professor and Co-Director CUEH

**Co-Investigators:** Professor Zahidul Quayyum, Co-Director, Research and Co-Director, CUEH; and Bachera Akter, Assistant Director, CGSRHR

**Implemented Under:** Centre of Excellence for Gender, Sexual and Reproductive Health and Rights (CGSRHR)

**Objective:** To conduct situation analysis for assessing demand and supply side barriers in accessing SRH services by adolescent girls and women aged 12-59 years and assess the implementation of operational model for delivering integrated comprehensive SRHR services for Rohingya refugees in Cox's Bazar.

**Grant Amount:** USD 86,579

**Partner and Donor:** World Health Organization (WHO)

**Timeline:** May 2018-December 2019



# CENTRE OF EXCELLENCE FOR SCIENCE OF IMPLEMENTATION AND SCALE-UP (COE-SISU)

## Implementation Research Focusing on Health System Strengthening in UNICEF Supported Areas in Cox's Bazar District, Bangladesh

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Dr Yameen Mazumder, Project Implementation Specialist

**Focal:** Rajat Das Gupta, Sr. Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To understand the key implementation challenges/barriers with the implementation of MNCH programme related activities for the FDMNs in Cox's Bazar, Bangladesh and explore solutions to overcome the challenges/barriers to propose a policy guideline and to adapt and modify the Consolidated Framework for Implementation Research (CFIR) for emergency setting.

**Grant Amount:** USD 50,422

**Partner:** UNICEF

**Donor:** UNICEF

**Timeline:** Jan 2019 - Sept 2019



## The Ethics of Health Policy Experiments: A Global Framework for Design and Oversight

**PI:** Professor Malabika Sarker, Associate Dean, and Director, CoE-SISU

**Co-PI:** Atonu Rabbani, Associate Scientist

**Focal:** Mrittika Barua, Sr Research Fellow

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up

**Objective:** The overall objective is to test and refine “deliberative interviews,” a cognitive qualitative interview technique based on deliberation. The study aims to assess such an approach to determine its applicability in designing a framework that examines ethical aspects of health policy experiments. In particular, the research team examines: If deliberative interviews are socially and culturally acceptable in the four study countries. If a higher knowledge level on health issues can be reached by using the deliberative interview style, which takes into account major, widely-known aspects of a particular health theme and has both interviewer and interviewee engage actively in the interview.

**Grant Amount:** USD 230, 620

**Partner:** University of Heidelberg, Germany; TH Chan School of Public Health, Harvard University, Boston, Massachusetts; School of Public Health and Social Sciences, Muhimbili University of Health and Allied Sciences (MUHAS), Tanzania.

**Donor:** Wellcome Trust, UK; Heidelberg University

**Timeline:** Oct 2017 - Dec 2020



## Assessing BRAC's Innovative Health Loans in Protecting the Poor against Health and Asset Vulnerability in Bangladesh

**PI:** Professor Malabika Sarker, Associate Dean, and Director, CoE-SISU

**Co-PI:** Atonu Rabbani, Associate Scientist

**Coordinator:** Muhammed Nazmul Islam, Research Fellow

**Focal:** Muhammad Nazmul Islam, Research Fellow

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The project aimed to identify demand- and supply-side barriers of the standard MTL program and to improve the program by revising the product design and developing a decentralized implementation protocol that allows both better access for vulnerable clients and a better monitoring system for BRAC. The project also aimed to evaluate whether the revised product MTL+ generates a measurable increase in (a) overall uptakes, (b) equitable inclusiveness into the program, (c) formal healthcare utilization, and (d) reduction in out-of-pocket healthcare expenditures net of loan. Moreover, it also evaluated the implementation process to (a) disentangle the differences in uptakes of MTL and MTL+ due to product design from the differences in implementation protocol (e.g., marketing), and (b) better understand the challenges for scale-up.

**Grant Amount:** USD 93,517.2

**Partner:** BRAC Microfinance Department; University of Heidelberg, Germany

**Donor:** The Federal Ministry for Economic Cooperation and Development, Germany (BMZ)

**Timeline:** Jul 2018 - November 2019



## Baseline and End-Line Survey to Measure Changes and Outcomes That Result from the Entertainment Education (EE) Campaign on Selected Adolescent Related Kap Areas with Focus on Child Marriage

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Atonu Rabbani, Associate Scientist

**Focal:** Muhammed Nazmul Islam, Research Fellow

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To generate knowledge on edutainment campaigns' aggregate effects on individuals' behaviour and sustainability of the behaviour related to different adolescent development issues including child marriage. The projects also aim to determine whether the campaign caused the effects on adolescents and their caregivers over the period of campaign.

**Grant Amount:** USD 156,431

**Partner:** Asiatic Marketing Communication Limited

**Donor:** UNICEF, Bangladesh

**Timeline:** March 2017 - October 2019

## Health, Housing, and Hygiene (HHH) in Bangladesh (PHASE II) UPDATED

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Atonu Rabbani, Associate Scientist

**Focal:** Mushfiqur Rahman, Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To reduce the risk of bacterial and parasitic infection through flooring reconstruction in homes that currently have dirt/mud floors.

**Grant Amount:** USD 23,490

**Partner:** Association of Development for Economic and Social Help (ADESH)

**Donor:** ARCHIVE Global

**Timeline:** Nov 2018- Sept 2019



## Partnership to Ensure the Sustainability of a Public Health Palliative Care Project in Bangladesh through Community Theatre- A follow on

**PI:** Professor Malabika Sarker, Associate Dean, and Director, CoE-SISU; International PI- Shahaduz Zaman, Senior Lecturer at Brighton and Sussex Medical School (BSMS), UK

**Focal:** Sayema Akter, Senior Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The aim of the follow-on project is to expand the project activity to new user communities and audiences namely the peri-urban and rural communities of Bangladesh. The specific

**Objectives are:**

- To conduct an exploratory study in the peri-urban and rural community to compare the ideas about death, dying and end of life care that has emerged from the earlier research conducted in the urban slums and use the results for theatre script development
- To adopt the theatre script already developed for urban poor community to fit with the new peri-urban and rural community
- To conduct interactive public engagement through theatre to sensitize the peri-urban and rural community on the end of life care issues.
- To train interested community volunteers on the basics of home-based end of life care
- To develop a comprehensive community engagement strategy for public health palliative care in resource-poor settings through performing arts.

**Grant Amount:** USD 43,510

**Partner:** Brighton Sussex Medical School, University of Sussex, University of Glasgow, UNIVERSITY OF LIBERAL ARTS BANGLADESH, BANGABANDUH SHEIKH MUJIB MEDICAL UNIVERSITY, BRAC University, BRAC

**Donor:** AHRC-MRC

**Timeline:** Nov 2017 - Apr 2019



## Synthesis and Translation of Research and Innovations from Polio Eradication (STRIPE)

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU  
**Co-PI:** Dr Yameen Mazumder, Project Implementation Specialist  
**Focal:** Humayra Binte Anwar, Research Associate  
**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To map, package and disseminate knowledge assets under the GPEI as academic and training programs for various global health audiences to facilitate effective implementation of life-saving programs globally, and the legacy of the GPEI in advancing global health beyond polio eradication.

**Grant Amount:** Year 2- \$73,260; \$ 41,131.00  
**Partner:** Johns Hopkins Bloomberg School of Public Health  
**Donor:** Bill & Melinda Gates Foundation  
**Timeline:** April 2018 - December 2022



## A Media Experiment to Reduce Intimate Partner Violence in Bangladesh

**PI:** Professor Malabika Sarker, Associate Dean, and Director, CoE-SISU  
**Co-PI:** Atonu Rabbani, Associate Scientist  
Focal: Mushfiqur Rahman, Research Associate  
**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To reduce the risk of bacterial and parasitic infection through flooring reconstruction in homes that currently have dirt/mud floors.

**Grant Amount:** \$ 99,653.00  
**Partner:** Association of Development for Economic and Social Help (ADESH)  
**Donor:** South African Medical Research Council (SAMRC) with World Bank; and Canadian Grand Challenges  
**Timeline:** June 2019 - May 2021

## Old Age Allowance

**PI:** Atonu Rabbani, Associate Scientist

**Co-PI:** Viola Asri, Kumar Biswas, Sebastian Fehrler, Urs Fischbacher, Katharina Michaelowa

**Focal:** Viola Asri, Kumar Biswas

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The main objective is to make the selection of beneficiaries more pro-poor by enabling the local government representatives to apply the eligibility criteria prescribed by the national government and make the selection based on the provided data on the target group. The impact evaluation will be based on comparing eligibility of the beneficiaries in control and treatment group using one commonly used poverty measure namely the PPI score and one eligibility measure reflecting the rules as formulated in the government guidelines.

**Grant Amount:** USD 10,195

**Partner:** Department of Social Services, Ministry of Social Welfare; ARCED Foundation

**Donor:** University of Zurich, Switzerland; Thurgau Economic Research Institute,

University of Konstanz, Germany

**Timeline:** February 2019 - December 2020



## Behavioral Diagnostic to Improve Maternal, Child, and Adolescent Nutrition outcomes in Bangladesh: Qualitative Data Collection Activities

**PI:** Atonu Rabbani, Associate Scientist

**Focal:** Sayema Akter, Senior Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The goal is to gain a holistic understanding of the social and behavioral barriers that impede proper feeding practices and identify potential areas of intervention that can lead to sustained behavior change related to consumption of appropriate and diverse food items within the targeted demographic groups.

**Grant Amount:** USD 14426.10

**Partner:** BRAC

**Donor:** World Bank

**Timeline:** Sep 2019 - Dec 2019

## **Process Evaluation Protocol of the Integration and Implementation of Verbal Autopsy in the Civil Registration and Vital Statistics System of Bangladesh**

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Dr Yameen Mazumder, Senior Project Specialist

**Focal:** Saima Mehjabeen, Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up

**Objective:** To explore whether VA activities have been implemented as intended., assess the fidelity of the implementation process, identify the underlying reasons for what working and what not and recommend potential solutions to improve the VA process further and understand the distribution of causes of reported deaths and its validity for further scale-up of VA across the country.

**Grant Amount:** \$15,456

**Partner:** Cabinet Division, Bangladesh

**Donor:** Bloomberg Foundation, Vital Strategies

**Timeline:** October 2019 - December 2019



## **Implementation Research on Birth and Death Registration Process in Bangladesh with a special focus on the Kaliganj Model**

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Dr Yameen Mazumder, Senior Project Specialist

**Focal:** Saima Mehjabeen, Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** To explore critical implementation drivers and barriers of the birth and death registration system in Bangladesh, and potential solutions to overcome the barriers, especially focusing on the Kaliganj model, to ensure universal birth and death registration within 45 days of event.

**Grant Amount:** \$ 64,789.16 (Total)

\$ 49,933.73 (UNICEF)

\$ 14,855.42(JPGSPH)

**Partner:** Cabinet Division, Bangladesh

**Donor:** UNICEF

**Timeline:** May 2019 - October 2019



## A Case Study on Universal Health Coverage- Global Health Security- Health Promotion Triangle: Bangladesh

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Dr Syed Masud Ahmed, Director, CoE-HS&UHC

**Focal:** Mrittika Barua, Sr Research Fellow

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** This case study was conducted with the following specific objectives:

- To explore the characteristics of UHC, HS, and HP in Bangladesh with respect to existing policy and practices, focal agencies, key actors, synergies in the triangle, and identify gaps which needs attention
- To explore the perceptions and experiences of the relevant stakeholders in policy and practice regarding the UHC, HS and HP triangle, both when these are aligned ('synergies') and not aligned ('fragmentation'), underlying causes of such alignment (or 'fragmentation'), and identify challenges of overcoming these gaps to build synergy; and to arrive at a consensus on these issues and to suggest a way forward towards the development of a unified health system which is people centred, equitable, financially protected and resilient to infectious disease threats and AMR.

**Grant Amount:** USD 10885.55

**Partner:** University of Heidelberg, Germany

**Donor:** Wellcome Trust

**Timeline:** 01 March 2019 - 31 December 2019.



## Climate Change, Migrations and Health Systems Resilience in Haiti and Bangladesh (ClimHB)

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Focal:** Shams Shabab Haider, Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The Climate Change, Migration and Health Systems Resilience (ClimHB) project is an applied and interdisciplinary research project in Social Science and Public Health, which aims to analyse the capacities and vulnerabilities of health systems in Haiti and Bangladesh, through the lens of climate change-induced migration flows. Funded by the National Research Agency (ANR) as part of the presidential call "Make Our Planet Great Again" (MOPGA), this project is part of an international research project in the social sciences and public health, focusing on public policies and health systems.

**Grant Amount:** USD 158,926.28

**Partner:** CEPED - IRD

**Donor:** ANR - French National Research Agency Institut De Recherche Pour LE Developpement

**Timeline:** January 2019-December 2021



## Millions Cool Roofs Challenge

**PI:** Professor Malabika Sarker, Associate Dean, and Director, CoE-SISU

**Co-PI:** Atonu Rabbani, Associate Scientist

**Coordinator:** Md. Shihab Ad Din, Senior Research Assistant

Focal: Shams Shabab Haider, Research Associate

**Implemented Under:** Centre of Excellence for Science of Implementation and Scale-Up (CoE-SISU)

**Objective:** The objective of this study is to improve access to sustainable cooling through the rapid scaling of cool roofs in countries with large numbers of people facing heat stress risks.

**Grant Amount:** \$ 100,000

**Partner:** Department of Architecture, BRAC University

**Donor:** The Institut de Recherche pour le Développement (IRD), France Nesta Enterprise Ltd

**Timeline:** July 2019-December 2020



# CENTRE FOR NON-COMMUNICABLE DISEASES AND NUTRITION (CNCDN)

## Analytical task in support of capacity development in nutrition surveillance and research in Bangladesh

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCDN

**Co-PI:** Md Tanvir Hasan, Associate Professor and Co-Director, CUEH

**Coordinator:** Md. Mokbul Hossain, Analyst (Statistics)

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCDN)

**Objective:** To support the government of Bangladesh in making evidence-based decision on multi-sectoral nutrition programming for adolescent girls by analyzing nationally representative FSNSP data (2009 to 2015).

**Grant Amount:** USD 99,999

**Partners:** UNICEF, GAIN, SKNF

**Donors:** The World Bank

**Timeline:** April 2017 - March 2019



## Baseline Survey of Strengthening Health Systems through Organizing Communities (SHASTO)

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCDN

**Co-PI:** Mehedi Hasan, Research Fellow

**Coordinator:** Moyazzam Hossain

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCDN)

**Objective:** To report the current situation of NCDs and their behavioural and clinical risk factors in selected intervention (Narsingdi district and Dhaka City North) and control sites (Gazipur district and Dhaka City South).

**Grant Amount:** USD 48,387

**Partner:** Noncommunicable disease control, DGHS

**Donor:** Japan International Cooperation

**Timeline:** 15 February 2018 - 30 June 2020



## Efficacy of zinc-bio fortified rice in improving zinc status in young Bangladeshi children

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Co-PI:** Professor Sabina Faiz Rashid, Dean and Director CGSRHR

**Coordinator:** Md. Rabiul Islam, Sr. Field Coordinator

Implemented Under: Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** To determine the efficacy of newly developed zinc biofortified rice on plasma zinc concentrations in children between 12-36 months of age in a rural area of Bangladesh, using a double blind randomized controlled trial, in an effort to alleviate public health problems, such as impaired child growth or diarrhoea-related morbidity, in a sustainable way.

**Grant Amount:** USD 439,294

**Partners:** ETH Zurich, Bangladesh Rice Research Institute, icddr,b

**Donors:** HarvestPlus

**Timeline:** January 2017 - December 2019



## Enhancing nutrition services to improve maternal and child health in Africa and Asia (Enrich)- midline evaluation, Bangladesh

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Avijit Saha, Research Fellow

**Coordinator:** Avijit Saha, Research Fellow

Implemented Under: Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** To determine the effectiveness of ENRICH program's monitoring and evaluation (M&E) plan (MEP) that guides a coordinated approach to measuring the effectiveness and impact of ENRICH program interventions across the whole implementation cycle- including achievements of immediate and intermediate outcomes and impact evaluation at end-line as identified within the Performance Measurement Framework (PMF).

**Grant Amount:** USD 40,247

**Partner:** University of Toronto

**Donors:** World Vision

**Timeline:** January 2016 - June 2020



## **Food Security and Nutrition Surveillance-National Nutrition Services (FSNS-NNS)**

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Co-PI:** Md. Showkat Ali Khan

**Coordinator:** Moyazzam Hossain

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** To assess food security of the rural and urban households and nutritional situation of women, children, adolescent boys and girls, adult males and geriatric population.

**Grant Amount:** USD 236,024

**Partner:** Bangladesh Bureau of Statistics

**Donor:** National Nutrition Services, Ministry of Health and Family Welfare, Government of Bangladesh

**Timeline:** April 2018 - December 2019



## **Understanding the patterns and determinants of health in South Asians People-South Asia Biobank**

**PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Co-PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Coordinator:** Mehedi Hasan, Research Fellow

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** Strengthen NCD surveillance systems in Bangladesh by establishing 30 surveillance sites across the country. And complete structured assessments on a representative sample of up to 30,000 Bangladeshi men and women aged 18+ years, living at the 30 surveillance sites using standardized approaches. Also to provide nationally representative data on the burden of T2D, CVD and their risk factors, and on the quality of care for these major NCDs to quantify needs, in Bangladeshi populations.

**Grant Amount:** USD 744,332

**Partners:** Imperial College London, Directorate General of Health Services (DGHS), National Institute of Cardiovascular Diseases (NICVD), Bangladesh Institute of Research and Rehabilitation in Diabetes, Endocrine and Metabolic Disorders (BIRDEM), Bangladesh University of Health Science (BUHS), BRAC

**Donors:** National Institute of Health Research (NIHR)

**Timeline:** May 2018 - April 2021



## **Delivery of training on World Health Organization Bangladesh Package of Essential Noncommunicable Disease Interventions (PEN) for Primary Health Care**

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Co-PI:** Rina Rani Paul

**Coordinator:** Ali Ahsan, Clinical Medical Officer

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** To increase the capacity and skills of health care providers (doctors/nurses/paramedics) in Cox's Bazar district on the implementation of PEN for primary health care in low resource settings, using a team-based approach and to build the capacity of community health volunteer supervisors in Cox's Bazar district on healthy lifestyle promotion related to risk factors for NCDs.

**Grant Amount:** USD 80,152

**Partners:** Non-Communicable Disease Control, DGHS; Community Health Working Group

**Donors:** National Institutes for Health Research (NIHR), UK

**Timeline:** 9 September 2019 - 31 December 2019



## **Scaling up nutritional, psychosocial and environmental interventions for child growth and development through Government system or health system (RINEW-G)**

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Co-PI:** Abu Abdullah Mohammad Hanif, Sr. Research Fellow

**Coordinator:** Md. Mokbul Hossain, Analyst (Statistics)

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objective:** To implement an integrated package of interventions (maternal nutrition, infant and young child nutrition, early child stimulation, water, sanitation, hygiene and prevention of arsenic and lead) through the government health system in one sub-district and assess uptake by government personnel, impact on target mother's knowledge and practices, and barriers, prospects and pathways for broader scale-up.

**Grant Amount:** USD 28,146

**Partners:** Stanford University, Johns Hopkins University, University of California, Davis, University of California, Berkeley, icddr,b

**Donor:** Bill and Melinda Gates Foundation



## **Impact Evaluation of the UNICEF Multisector Integrated Program for Improved Nutrition in Urban Slums**

**PI:** Esther Heesemann

**Co-PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Coordinator:** Fahmida Akter, Sr. Research Fellow

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objectives:** To provide evidence on the effectiveness of the UNICEF urban slums nutrition program targeting children and caregiver living in the Sylhet City Corporation

**Partners:** Sylhet City Corporation, UNDP, C4ED

**Donor:** UNICEF, Bangladesh

**Grant Amount:** USD 35,143

**Timeline:** December 2019 - March 2022



## **Training and digital care co-ordination for improved prevention of Type 2 Diabetes and Cardiovascular disease by primary health care teams in Bangladesh**

**PI:** Dr Malay Kanti Mridha, Professor and Director, CNCNDN

**Co-PI:** Professor Malabika Sarker, Associate Dean and Director, CoE-SISU

**Coordinator:** Abu Abdullah Mohammad Hanif, Sr. Research Fellow

**Implemented Under:** Centre for Non-Communicable Diseases and Nutrition (CNCNDN)

**Objectives:** To develop and evaluate platforms for training and care-co-ordination by PHC team in Bangladesh, to improve prevention of T2D and CVD.

**Partners:** Imperial College London, NCDC, DGHS, BRAC

**Donor:** National Institute of Health Research (NIHR)

**Timeline:** 01 September 2019 - 30 September 2021



# CENTRE OF EXCELLENCE FOR HEALTH SYSTEMS AND UNIVERSAL HEALTH COVERAGE (COE-HS&UHC)

## Transparency, Accountability and Good Governance for Health System Strengthening and Advancing UHC Agenda in Bangladesh: The Role of Frontline Healthcare Service Providers in Improving Performance

**PI:** Professor Syed Masud Ahmed, Director, CoE-HS&UHC

**Co-PI:** Dr Nahitun Naher, Senior Research Fellow

**Coordinator:** Dr Nahitun Naher, Senior Research Fellow

**Implemented Under:** Centre of Excellence for Health Systems and Universal Health Coverage (CoE-HS&UHC)

**Objective:** To tackle the situation, a study with the above title has been proposed which seeks to explore practices that are related to the delivery of responsive, equitable and quality services by the health care providers and managers at the PHC levels. This is expected to align motivation of the frontline health workers with the macro level expectations from the health services delivery network, and strengthen the PHC system for better performance.

**Grant Amount:** USD 207,378

**Partners:** School of African and Oriental Studies (SOAS), University of London; London School of Hygiene and Tropical Medicine (LSHTM), United Kingdom

**Donor:** UK Department for International Development (DFID)

**Timeline:** August 2017 - Ongoing



## A Global Social Sciences Network for Infectious Threats and Antimicrobial Resistance (SoNAR Global)

**PI:** Professor Syed Masud Ahmed, Director, CoE-HS&UHC

**Co-PI:** Professor Sabina Faiz Rashid, Dean and Director, CGSRHR

**Coordinator:** Dr Nahitun Naher, Senior Research Fellow

**Implemented Under:** Centre of Excellence for Health Systems and Universal Health Coverage (CoE-HS&UHC)

### Objective:

1. Develop an open-access platform to support the SoNAR-Global activities and to share them broadly.
2. Adapt, test, and evaluate vulnerability assessment tools on the ground and engagement models to facilitate collaboration across multiple stakeholders, and
- 3) Create, pilot and evaluate curricula for training social scientists in preparedness and response to infectious threats and through curricular development and piloting social science knowledge of infectious threats among non-social sciences actors.

**Partners:** AIGHD, NIVEL, MUW, Mahidol, PHC, BRAC JPGSPH, UCL, MU, CRCF. **Donor:** European Commission

**Grant Amount:** Total Consortium Budget: USD 322,6625.67, **JPG Budget:** USD 290,682. **Timeline:** 2019 - Ongoing Jan 2019 - Dec 2021

## **Health Care Needs and Health Seeking Behavior among Rohingya Refugees in Cox's Bazar**

**PI:** Professor Zahidul Quayyum, Co-Director Research and Co-Director, CUEH

**Co-PI:** Md Tanvir Hasan, Associate Professor and Co-Director, CUEH

**Coordinator:** Irin Akhter, Deputy Project Coordinator

**Implemented Under:** Centre of Excellence for Health Systems and Universal Health Coverage (CoE-HS&UHC)

**Objective:** To determine the illness patterns, access and utilization of health services and health facilities in selected Rohingya refugee camps in Cox's Bazar.

**Grant Amount:** USD 30,120.48

**Donor:** BRAC

**Timeline:** October 2018 to April 2019

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## **LEAVE NO ONE BEHIND: Exploring the healthcare-seeking behavior of floating population/street dwellers in Dhaka city, Bangladesh: a pilot study**

**PI:** Dr Nahitun Naher, Senior Research Fellow

**Co-PI:** Samiun Nazrin Bente Kamal Tune, Senior Research Associate and Roksana Haque, Senior Research Associate

**Coordinator:** Dr Nahitun Naher, Senior Research Fellow and Samiun Nazrin Bente Kamal Tune, Senior Research Associate

Implemented Under: CoE-HS&UHC

**Objective:** To explore the scenario regarding health care seeking behaviour and available health care services, and identify gaps at the policy and programme levels for achieving universal health coverage in Bangladesh by 2030 for the street dwellers and floating population.

**Grant Amount:** USD 10,930

**Partners:** BRAC Advocacy Department

**Donor:** BRAC Advocacy Department

**Timeline:** January 2019 - June 2019

# **CENTRE OF EXCELLENCE FOR URBAN EQUITY AND HEALTH (CUEH)**

## **Pathways to Equitable Healthy Cities**

**PI:** Professor Zahidul Quayyum, Co-Director, Research and Co-Director, CUEH and CO-PI; Md Tanvir Hasan, Associate Professor and Co-Director, CUEH

**Technical Advisor:** Professor Sabina Faiz Rashid, Dean

**Coordinator:** Marzuka Ahmad Radia, Research Coordinator

**Implemented Under:** Centre of Excellence for Urban Equity and Health (CUEH)

**Objective:** To develop actionable policy scenarios bearing in mind the health impact of different sectors on health outcomes and validate them with stakeholders and engage and build the capacity of these stakeholders to facilitate policy implementation. In addition, the project aims to develop an integrated analytical framework and develop locally-parameterized models for Dhaka that will guide forming and integrating policy scenarios across sectors and quantify their impacts on health outcomes.

**Grant Amount:** USD 490,295.01

**Partners:** Imperial College London

**Donor:** Wellcome Trust, UK

**Timeline:** 1 September 2018 to 30 April 2022

## Advancing Inclusive and Resilient Development Targeted at the Urban Poor

**PI:** Professor Zahidul Quayyum, Co-Director, Research and Co-Director, CUEH

**Co-PI:** Md Tanvir Hasan, Associate Professor and Co-Director, CUEH

**Coordinator:** Md. Uzzal Chowdhury, Senior Statistician

**Implemented Under:** Centre of Excellence for Urban Equity and Health (CUEH)

**Objective:** To conduct social and poverty assessment of urban poor households of the low-income communities at the city level in Bangladesh through desk review and consultation with community based organizations at city grass root level. The study also aims at documenting the existing good practices, challenges and identifying investment opportunities in strengthening resilience for the urban poor.

**Grant Amount:** USD 25,706

**Partners:** BRAC Urban Development Program (BRAC UDP)

**Donor:** Asian Development Bank

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## Accountability and Responsiveness in Informal Settlements for Equity

**PI:** Professor Sabina Faiz Rashid, Dean and Director CGSRHR

**Co-PI:** Bachera Akter, Assistant Director, CGSRHR

**Coordinator:** Bachera Akter, Assistant Director, CGSRHR

**Implemented Under:** The Centre of Excellence for Urban Equity and Health (CUEH)

**Objective:** The objective is to catalyze change in approaches to enhancing accountability and improving the health and wellbeing of poor, marginalized people living in informal urban settlements.

**Partners:**

1. BRAC James P Grant School of Public Health, BRAC University, Bangladesh
2. Liverpool School of Tropical Medicine (LSTM), UK
3. Institute of Development Studies (IDS)
4. Institute of Health and Wellbeing, University of Glasgow, UK
5. The University of York, UK
6. George Institute for Global Health, India
7. Slum/Shack Dwellers' International (SDI), India
8. African Population and Health Research Centre (APHRC), Kenya
9. Liverpool VCT Health (LVCT), Kenya
10. Sierra Leone Urban Research Centre (SLURC), Njala University, Sierra Leone
11. Sierra Leone: College of Medicine and Allied Health Sciences (COMAHS), Sierra Leone

**Grant Amount:** USD 1,350,793

**Donor:** UK Research and Innovation's Global Challenges Research Fund

**Timeline:** December 2018 - February 2024

## Forced Displacement and Education: Building the Evidence for What Works

**PI:** Professor Zahidul Quayyum, Co-Director Research and Co-Director, CUEH

**Co-PI:** Samir Ranjan Nath, Programme Head of BIED

**Coordinator:** Rasel Babu, Research Fellow, BIED

**Focal:** Saira Parvin, Sr. Research Fellow

**Implemented Under:** The Centre of Excellence for Urban Equity and Health (CUEH)

**Objective:** The study will work towards advancing its understanding on education for the forcibly displaced as part of a broader education sector agenda of improving learning outcomes for populations living in poverty, exclusion, or distress. Additionally, the study aims to improve its effectiveness regarding its role and contributions to facilitating transition and uptake from humanitarian education responses to long-term development agendas that can support sustainable access to quality education for the forcibly displaced and the communities that host them.

**Grant Amount:** USD 48,000

**Partners:** AIR

**Donor:** The World Bank Group

**Timeline:** October 2019 – April 2021

## OTHERS

### Exploring Older Adolescents' (Age 15-19) Reasons for Substance Abuse to Inform Youth Intervention Policies and Programs

**PI:** Anushka Zafar, Research Fellow

**Technical Advisor:** Professor Sabina Faiz Rashid, Dean

**Objective:** This research project titled ‘Exploring Older Adolescents’ (Age 15-19) Reasons for Substance Abuse to Inform Youth Intervention Programs’ aims to explore the prevalence and pattern of addictive substance abuse among the slum dwelling adolescents of Dhaka. The study will delve into comprehending the conditions that instigate substance abuse of adolescents living in urban slums. Investigation of factors will bring a relatively unexplored domain of research with Bangladeshi youth into context. For vulnerable adolescents to transition to better adulthood, conditions facilitating substance abuse must be addressed. Listening to slum-dwelling youth and understanding the complexities will bring forth their lived experiences while giving them voice and agency. Thus, the findings from this research can be used to directly inform effective youth interventions and policy recommendations.

**Grant Amount:** USD 38,183.25

**Partners:** ODI GAGE

**Donor:** ODI GAGE, UK Aid (DFID)

**Timeline:** Sept 2019 – Feb 2020