

Adolescent Girls Initiative - Kenya

Submission date 18/12/2015	Recruitment status No longer recruiting	☐ Prospectively registered ☒ Protocol
Registration date 24/12/2015	Overall study status Completed	☐ Statistical analysis plan ☒ Results
Last Edited 18/01/2024	Condition category Urological and Genital Diseases	☐ Individual participant data

Plain English summary of protocol

Background and study aims

Many adolescent girls in Kenya face considerable risks and vulnerabilities that affect their education status, health, and general well-being. They are at high risk of early marriage, teenage pregnancy, early sex, unprotected sex, non-consensual sex and sexually transmitted diseases such as HIV. They also have limited income-earning opportunities, are very likely to be illiterate (not able to read and write) and often experience violence and social isolation. The Adolescent Girls Initiative–Kenya (AGI-K) is a study that tests different combinations of initiatives (packages of interventions) in health, violence prevention, wealth creation and education to see which one of these lead to the biggest improvement in their lives. These interventions will be implemented for two years. This study will compare the impact of four different packages of interventions, including a cost-effectiveness component (testing how expensive they are), in order to assess if and how intervening in early adolescence will impact girls' life chances.

Who can participate?

Girls aged between 11-14 and living in one of two marginalized areas of Kenya – either the Kibera slums in Nairobi or the Wajir County in Northeastern Kenya.

What does the study involve?

The goal of AGI-K is to test combinations of packages of intervention that cover violence prevention, education, health and wealth creation. The violence prevention intervention involves establishing a committee in the community which includes religious and community leaders, parents, teachers and young men and women. The group members work together to identify key issues that lead to girls being under-valued and at risk of violence. A contract is then developed which includes an action plan to address these issues. The education intervention is a cash transfer scheme where girls are offered a cash payment as long as they have a 80% school attendance record. They also have their fees paid and are given school kits. The health intervention involves girls meeting in groups once a week. Each group has a female mentor that leads discussions on health, life skills and nutrition. The wealth creation intervention involves teaching about finances, and includes the girls opening bank accounts and a small cash incentive to put in practice what they are being taught. Each girl in Kibera is randomly allocated to receiving one of the following four package combinations:

1. Violence prevention
2. Violence prevention and education
3. Violence prevention, education and health

4. Violence prevention, education, health and wealth creation

In Wajir, all the girls within a particular village is randomly allocated to one of the four groups above. Each girl in the study is followed for two years. The effect of the program is assessed using data from surveys.

What are the possible benefits and risks of participating?

Participants may benefit from the interventions. There are no risks involved..

Where is the study run from?

The study is led by Population Council, based in the Nairobi office. Research partners include the African Population and Health Research Centre (APHRC) and Itad. The interventions are run by Save the Children in Wajir and Plan International in Kibera.

When is study starting and how long is it expected to run for?

January 2014 to December 2019

Who is funding the study?

Department for International Development (UK)

Who is the main contact?

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Additional identifiers

Protocol serial number
AEARCTR-0000962

Study information

Scientific Title

Establish the combination of multi-sectoral interventions with the greatest impact on the reproductive health of young adolescent girls in Wajir County and Nairobi Slums.

Acronym
AGI-K

Study objectives

To determine the incremental effect produced by layering multi-sectoral interventions to improve the reproductive health of adolescent girls in marginalized communities.

Ethics approval required
Old ethics approval format

Ethics approval(s)
1. Population Council Institutional Review Board, 10/09/2014, ref: 661
2. AMREF Ethical and Scientific Review Committee, 19/11/2014, ref: P143/2014

Study design
Randomized controlled trial

Primary study design
Interventional

Study type(s)
Prevention

Health condition(s) or problem(s) studied
Adolescent reproductive health

Interventions
The goal of the Adolescent Girls Initiative (AGI-K) is to test multi-sectoral packages of interventions in four sectors: violence prevention, education, health and wealth creation. The

violence-prevention intervention is a community-level intervention that uses the community dialogues and contracts strategy based on the UNDP/Concern Worldwide model. The education intervention is a conditional cash transfer (CCT) based on 80% attendance over the course of a term. The health intervention will follow the Council's Safe Spaces model in which girls meet in groups once a week under the guidance of a female mentor from the community. The wealth-creation intervention is composed of financial education, which is delivered during Safe Spaces meetings, as well as savings through individual bank accounts (Nairobi) or home banks (Wajir) and a small savings incentives. Using a randomized controlled trial design, researchers will conduct a rigorous impact evaluation of the program. Randomization to intervention packages is at the individual level in Kibera and at the village level in Wajir. The following packages of interventions will be tested:

1. Violence prevention
2. Violence prevention and education
3. Violence prevention, education and health
4. Violence prevention, education, health and wealth creation

The study will follow girls for the two-year intervention period and for two years after completion of the intervention. Using both quantitative and qualitative methods, the program evaluation will examine the impact of the intervention packages while identifying the causal mechanisms driving that impact. Surveys will cover a wide range of topics, including education history, self-esteem, social networks, attitudes and behaviors related to gender, work and savings activity, nutrition status, literacy and numeracy skills, cognitive function, sexual and reproductive health knowledge, marriage history, and sexual behavior.

Intervention Type

Behavioural

Primary outcome(s)

1. Increased age at first birth
2. Increased age at first sex
3. Increased age at first marriage

All outcomes to be assessed after 2 years (from the time of the baseline survey) and then again after 4 years using survey data.

Key secondary outcome(s)

1. Violence Prevention: Decreased experience of gender-based violence and improved gender norms related to violence
2. Education: Increased mean grade of schooling and increased rate of primary school completion
3. Health: Increased knowledge on sexual and reproductive health and improved decision-making skills
4. Wealth creation: Increased knowledge on financial education, increased saving and increased participation in income generating activities

All assessed after 2 years and again after 4 years using survey data.

Completion date

31/12/2019

Eligibility

Key inclusion criteria

1. Girls aged between 11 and 14 years
2. Residing within selected study sites
3. Not in boarding school at the time of the listing and/or at the time of the baseline survey

Participant type(s)

Other

Healthy volunteers allowed

No

Age group

Child

Lower age limit

11 years

Upper age limit

14 years

Sex

Female

Total final enrolment

4537

Key exclusion criteria

1. Girls who were in boarding school at the time of enrollment
2. Girls who were no longer residing in the study site at the time of enrollment

Date of first enrolment

24/02/2015

Date of final enrolment

02/06/2015

Locations**Countries of recruitment**

Kenya

Study participating centre

Population Council, Nairobi Office

Ralph Bunche Rd

Nairobi City

Kenya

P.O. Box 17643-00500

Study participating centre
African Population and Health Research Center
Manga Cl
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Sponsor information

Organisation
Population Council

ROR
<https://ror.org/03zjj0p70>

Funder(s)

Funder type
Government

Funder Name
Department for International Development

Alternative Name(s)
Department for International Development, UK, DFID

Funding Body Type
Government organisation

Funding Body Subtype
National government

Location
United Kingdom

Results and Publications

Individual participant data (IPD) sharing plan
Not expected to be made available

IPD sharing plan summary
Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article	longer term (after 4 years) effects	24/11/2021	26/11/2021	Yes	No
Results article		07/02/2022	08/02/2022	Yes	No
Results article		13/02/2022	18/01/2024	Yes	No
Protocol article	protocol	01/03/2016	12/01/2021	Yes	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes