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Fostering gender equality and reproductive and sexual health among adolescents: Results from a quasi-experimental study in Northern Uganda

Nana Apenem Dagadu^a, Kathryn M. Barker^b, Sam B.T Okello^c, Brad Kerner^d, Callie Simon^a, Dennis Nabembezi^e, and Rebecka Lundgren^b

Corresponding author: Kathryn M. Barker

^aSave the Children USA

Address: 899 North Capitol St NE, Suite 900, Washington, DC 20002

Telephone: +1-202-794-1565

Email: ndagadu@savechildren.org; csimon@savechildren.org;

^bCenter on Gender Health and Equity, University of California San Diego

Address: Central Research Services Facility, 9500 Gilman Drive, La Jolla, CA 92093

Telephone: +1-202-290-9864

Email: <u>rlundgren@ucsd.edu</u>; katebarker@ucsd.edu

^cCare International in Uganda

Address: P.O. Box 7280, 5th Floor, Union House. Plot 78, Luthuli Avenue - Bugolobi, Kampala,

Uganda

Telephone: +256 778977111 Email: sam.okello@care.org

^dSave the Children USA

Address: 501 Kings Highway East, Suite 400, Fairfield, Connecticut, 06825

Telephone: +1-203-221-4000 Email: BKerner@savechildren.org

^eNaNa Development Consultants Limited

Address: NaNa Plaza, Plot 164, Kayunga Trading Center, Hoima Road Office Suite No: 07, P.0

Box 37252 Kampala Uganda Telephone: +256-392-895-910

Email: nabembezidennis@yahoo.co.uk

ABSTRACT

Objective: To assess the impact of a narrative-based, resource-light, life-stage tailored intervention package designed to promote gender-equitable attitudes and behaviors, and improve SRH and GBV outcomes among adolescents and their communities.

Design: Repeated cross-sectional evaluation study, using propensity score matching combined with difference-in-differences estimation

Setting: Two post-conflict communities in Lira and Amuru districts in Northern Uganda

Participants: Male and female unmarried adolescents (10-14 years, 15-19 years), married adolescents (15-19 years), and adults (over the age of 19 years) were selected using a stratified, two-stage cluster sample of primary and secondary schools and households (baseline: n=2,464, endline: n=2,449)

Primary outcome measures: Inequitable gender attitudes and behaviors; gender-based violence (GBV); and sexual and reproductive health (SRH) knowledge and behaviors

Results: Statistically significant intervention effects were seen across all three outcomes—gender equity, GBV, and SRH—among older and newly married adolescents and adults. Among older adolescents, intervention effects include shifts on: inequitable gender attitudes scale score: -4.2 points [(-7.1, -1.4), p<0.05]; Inequitable household roles scale score: -11.8 [(-15.6, -7.9), p<0.05]; Inequitable attitudes toward GBV scale: -1.9 [(-5.0, -0.2), p<0.05]; % of boys who sexually assaulted a girl in past three months: -7.7 [(-13.1, -2.3), p<0.05]; Inequitable SRH attitudes scale: -10.1 [(-12.9, -7.3), p<0.05]. Among married adolescents, intervention effects include shifts on: Inequitable household roles scale score: -6.5 [(-10.8, -2.2), p<0.05]; Inequitable attitudes toward GBV scale: -4.7 [(-9.8, -0.3), p<0.05]; % who reacted violently to their partner: -15.7 [(-27.1, -4.4), p<0.05]; Inequitable SRH attitudes scale: -12.9 [(-17.3, -8.5), p<0.05].

Conclusion: The GREAT intervention model demonstrates the promise of a resource-light, life-stage tailored program that employs culturally appropriate, participatory, and narrative-based techniques to advance gender equity and adolescent health. This type of programming contributes toward reductions in GBV and improved adolescent SRH outcomes.

Key words: Uganda, gender-based violence, norms, sexual and reproductive health, adolescents, gender roles

WORD COUNT: 4,510 words in main text (inclusive of notes for table/figure placement)

STRENGTHS AND LIMITATIONS OF THIS STUDY

- Mass media campaigns have been shown to be promising avenues for community-level norms
 change, though to our knowledge, no such campaigns have been evaluated for effectiveness in
 post-conflict settings—settings associated with widespread GBV, disrupted social and human
 services, eroded cultural traditions, and heightened economic and physical insecurity.
- This study empirically demonstrates the impact of an age-tailored mass media (narrative-based) intervention in post-conflict Northern Uganda, with improvements seen in measures of gender equity and sexual and reproductive health outcomes, and reductions in gender-based violence.
- Propensity score matching was used due to high levels of contamination between the control and intervention groups in the study setting.
- This life-stage tailored intervention showed particular promise for older and married or parenting adolescents (aged 15-19 years), though similar improvements in study outcomes were not seen among very young adolescents (aged 10-14 years).
- were not seen among very young adolescents (ageu 10-11, year.).

 The possibility of information bias in these sensitive topics may not be ruled out, as all measures were self-reported.

INTRODUCTION

Global evidence indicates that sexual and reproductive health (SRH) is strongly influenced by gendered attitudes, behaviors, and norms cultivated within social systems. Equitable or not, these norms intensify during adolescence – a period of rapid physical, emotional, cognitive, and social transitions¹ – and influence health outcomes.²⁻⁴ Rather than focusing on their vulnerability to poverty, gender-based violence (GBV), and poor health and social outcomes⁵, their potential can be maximized by leveraging their strengths and assets. One way to address this is engaging adolescents and communities in multilevel and multicomponent interventions and gender-transformative approaches that center gender equality and address and challenge power imbalances in safe spaces for reflection and dialogue.⁶ Mass media campaigns, when accompanied by opportunities for dialogue and reflection, have emerged as a promising practice for raising awareness and transforming underlying attitudes and norms as well as changing behavior related to SRH behaviors.⁸ Studies have found that applying a life-course perspective and strengthening social networks lay the groundwork for positive adolescent SRH.¹⁰⁻¹⁴

Despite growing investment in gender transformative interventions for adolescents, evidence of their effect is still limited¹ ¹⁵ ¹⁶, especially at different stages of the adolescent life course. Furthermore, few such programs have been scaled up and even fewer documented. ¹⁵ Fewer still are studies that examine how to engage both adolescents and their communities to address gender dynamics in post-conflict settings. One such setting—communities in post-conflict Northern Uganda—represents a context with well documented and widespread GBV, disrupted social and human services, eroded cultural traditions, and heightened economic and physical insecurity. ¹⁷⁻¹⁹ Layered onto inequitable gender norms, unhealthy behaviors, and sexual and reproductive vulnerabilities, these conditions have been proven especially harmful to adolescent girls. ²⁰ ²¹

GREAT Intervention

To respond to this gap, the Gender Roles, Equality and Transformations (GREAT) community-based program was piloted in the Northern Ugandan districts of Gulu, Lira and Amuru from August 2012 to September 2014. GREAT aimed to promote gender-equitable attitudes and behaviors among adolescents (aged 10-19) and their communities to reduce GBV and improve SRH. The intervention package was tailored for four life stages: 1) very young adolescents (VYAs), aged 10-14 years old; 2) older adolescents (OAs), aged 15-19 years old; 3) newly married/newly parenting adolescents (NM/NPs) aged 15-19 years old; and 4) adults aged 20 years and older.

Over the two-year period, each life stage cohort was exposed to four intervention components suited to the literacy and contextual environment of Northern Uganda (see Figure 1). Each component was tailored to the respective life stage. The first component, the Community Action Cycle (CAC), is an iterative six-phase community mobilization process. It engaged 382 community leaders across parishes (comprising of several villages) to reflect on and better understand how gender inequality, GBV and poor SRH outcomes are linked. Through this process, community leaders in each parish identified priority issues in collaboration with their communities, developed a plan to address those issues, carried out the plan, and monitored and evaluated their progress. The second component, a 50-episode serial radio drama set in the fictional town of Oteka ('great' in Luo), was developed using the Transtheoretical Model behavior change theory²² and the Pathways to Change tool.²³ The drama included four storylines tailored to VYA, OA, NM/NPs,

and adults to engage, entertain, inform and spark substantive discussion in communities about gender, violence, and SRH including family planning. Complementing the radio drama was a toolkit of participatory activities, including storybooks on puberty for VYA boys and girls, as well as a life-sized board game, radio discussion guides, and activity cards tailored to each life stage. This suite of games and activities was designed to improve puberty and SRH knowledge and catalyze reflection, dialogue, and action around gender inequitable attitudes and behaviors, SRH, and GBV. These activities with the GREAT toolkit were conducted in existing adolescent clubs and groups (dance groups, savings clubs, etc.) in an average of three small groups per village. The decision to roll out GREAT through existing groups was based on the desire to develop a less costly, and therefore more easily scalable, approach. Finally, to meet the increased need for health services, GREAT trained Village Health Teams (VHTs – i.e., community health workers) to improve access to and quality of youth-friendly services.

[Figure 1. GREAT Intervention Package and its Four Components]

The overall intervention approach was grounded in two theoretical perspectives: 1) understanding that gender identities established early in life set children on a path which shapes their future²⁴; and 2) recognition that gender norms influence health-related behaviors both directly and indirectly, particularly during the transitional period of adolescence when gender norms and identities begin to coalesce.¹³ In addition, we applied six key principles to intervention design as informed by a review of existing global adolescent programs:

- 1) Leverage assets, foster agency and engage adolescents as active change agents, using a positive youth development lens^{5 25};
- 2) Shift gender attitudes, behaviors, and norms by using mass media and participatory narrative approaches to correct misinformation, encourage critical reflection and dialogue, and change expectations for appropriate behavior⁸ ¹² ¹⁵ ¹⁶ ²⁶;
- 3) Adopt a gender synchronized approach engaging both girls and boys, sometimes apart, sometimes together²⁷;
- 4) Focus on life course transitions when adolescents learn new roles and norms²⁸;
- 5) Develop interventions at the individual, social, and structural levels to ensure new ideas and information diffuse through the social ecology and create an enabling environment for individual change⁶ ²⁸ ²⁹; and
- 6) Design for scale, using resource-light activities (e.g., low cost, minimal staff time requirements) that can be integrated within existing community or school groups and therefore implemented outside a pilot setting.³⁰

This paper presents evidence from an outcome evaluation designed to assess whether this narrative-based, resource-light, multilevel, and multicomponent intervention:

- 1) Increased gender-equitable values, attitudes, and behaviors among adolescents aged 10-19 and adults:
- 2) Improved SRH knowledge, attitudes, and access to services among adolescents 10-19; and
- 3) Decreased tolerance of GBV among adolescents and significant others.
- We also present the effect of the intervention on providing an enabling environment for adolescents by encouraging adults to offer advice and support to young people.

METHODS

Study design

Baseline (June 2012) and endline (October 2014) cross-sectional surveys were conducted in GREAT Project intervention and control sub-counties in Lira and Amuru districts with a total of 4,913 participants (detail provided in Table 1). The endline sample size was matched to the baseline sample calculated as 2,000 adolescents and adults in order to allow for a design effect of 2, 10% non-response rate, 5% non-completion rate, and measurement of changes in knowledge, attitudes, and behavior of at least 10%. Additionally, sample sizes of individual life stages were established to allow within group comparisons. Respondents were selected using a stratified, two-stage cluster sample of primary and secondary schools (VYA) and households (all other life stages). The same 20 villages in Amuru and 26 villages in Lira and 28 schools (14 in each district) sampled at baseline were also sampled at endline.

[Table 1. Study participants by life stage at baseline and endline]

Within each sub-county, parishes were selected using probability proportional-to-parish-size (number of villages) sampling. Subsequently, a random sample of two villages was selected from each parish according to probability proportional-to-size (approximate number of households in the villages) and for each selected village, households were selected using simple random sample techniques. Schools for VYAs were sampled randomly and stratified across primary and secondary samples, as well as by intervention and control areas that were originally designated at the start of implementation but were not used for the analysis because of high exposure to the radio drama in the control areas. In Lira, five primary schools and two secondary schools were selected each from intervention (sampling frame: 23 primary schools and 4 secondary schools) and control areas (sampling frame: 9 primary schools and 5 secondary schools) and in Amuru, five primary schools and two secondary schools were selected from the intervention area (sampling frame: 14 primary schools and two secondary schools) and seven primary schools from the control area (sampling frame: 8 primary schools) since there were no secondary schools in the control sub-county. All secondary schools were excluded from the Lira sample as no interventions were implemented in Lira secondary schools. Among the 24 intervention villages, six (four in Lira and two in Amuru) were excluded from the sample since toolkit and CAC activities were not implemented there during the project.

Instruments

Interview instruments were developed by IRH in consultation with GREAT partners and local experts. Questionnaires for the three older life stages (OA, NM/NP, adults) followed a structured format with Likert-style response options for level of exposure to intervention components and dichotomous responses (Yes/No or Agree/Disagree) for attitudes, group membership, behaviors, and topics discussed (see Appendix A for instruments). The VYA questionnaire was structured to include participatory elements, such as quantifiable card sorts, with the aim of engaging children, improving comprehension, reducing courtesy bias, and decreasing potential sensitivity of questions.

Ethics Statement

Ethical review of the instruments and clearance for the study was obtained from the Georgetown University and The AIDS Support Organisation (TASO) Research Ethics Committee and from the

Uganda National Council of Science and Technology (IRB #2012-113 – youth survey; IRB #2012-041 – household survey). Written informed assent and parental consent (participants under age 18), and consent (participants over age 18) were obtained prior to each interview. Interviews were conducted in a place of convenience for each respondent – school, home, or community location.

Measures

The four study outcomes—gender inequity, GBV, SRH, and supportive behaviors by adults—were measured using both individual items and composite scales. For each of our four key constructs, we used both measures of behavior and precursors to behavior (e.g., attitudes) for each life stage within each domain where possible. Existing gender measures were adapted for use (Mishra et al, 2014), including a modified Gender-Equitable Men scale. Scales were calculated from 0-100 as the average of dichotomous items multiplied by 100. Individual scale items are described in Table 2. Internal consistency of each scale was assessed using Cronbach's alpha for unexposed and exposed endline samples by life stage. Candidate scales with alpha significantly less than 0.6 were not included in analysis. These included the VYA scales on inequitable gender norms scale and inequitable attitudes toward GBV. Cronbach's alphas for scales included in the analyses ranged from 0.54 to 0.88, indicating moderate to good internal consistency (alpha values provided in Table 2).³¹ The four outcomes in the analyses were:

Gender inequity. The gender inequity domain included two behavioral measures for VYAs: helping a sister with chores (for boys) or being helped by a brother (for girls); and talking to parents or guardians about continuing education (for girls) or about a sister continuing education (for boys). For OAs, two measures of behavior precursors were included: inequitable gender attitudes and household roles scales; and one behavioral measure: talking to parents or another adult about a sister continuing education (for boys). For NM/NPs the two same behavioral precursor scales were used, as well as two behavioral measures: male involvement in at least two childcare activities in a typical week; and reports of spousal help with household chores.

Gender-based violence. This domain included two behavioral measures for VYAs: whether girls had been touched on the buttocks or breasts by a boy without their permission in the past three months; and whether boys had touched a girl on the buttocks or breasts without permission in the past three months. OAs were asked these same two behavioral measures, as well as two measures to assess behavioral precursors: attitudes toward GBV (scale) and a single item indicating confidence about getting help. For NM/NPs, the inequitable attitudes about GBV scale was used as well as one behavioral measure: violent reaction to a partner, among those who got angry in the past three months.

Sexual and reproductive health. Among VYAs two knowledge items were assessed: recognition that boys and girls experience different rates of body changes in puberty; and ability to identify at least two puberty indicators. For both OAs and NM/NPs behavioral precursor measures—inequitable for these life stages included an inequitable SRH attitudes scale and a contraceptive self-efficacy score. Behavioral measures included current family planning use and intention to use a family planning method in the future (among current non-users).

Supportive behaviors by adults. In this final domain one measure from the adult sample was included to assess adult role-modeling and individual change. A behavioral precursor measure was the adult version of the inequitable gender attitudes scale.

Exposure to GREAT was defined as ever listening to the Oteka radio drama and/or participating in reflection and dialogue small groups (which used the GREAT Toolkit) within the last 6 months. The classifications of exposure levels to Oteka radio program were based on recoding the responses to the question "In the last 6 months, how often have you listened to Oteka?" (0 = "no exposure to Oteka radio program"; 1 = "occasionally listening to Oteka"; and 2 = "listen to Oteka most weeks or every week"). The classifications of exposure levels to the toolkit activities were based the responses to the question "How often have you participated in an activity using these toolkit activity cards, flipbooks and games?" (0 = "no exposure to the toolkit"; 1 = "once" or "occasionally" exposure to the toolkit; and 2 = "often"). The final exposure variable was created using a summated score to the two questions (0 = "if both Oteka program and toolkit activities have a score "0"; 1 = "if either or both Oteka program and toolkit activities have a score "1" and 2 = "if either or both Oteka program and toolkit activities have a score "2"). To be conservative in exposure estimates, individuals exposed to information through the radio drama who could not remember specific character names were taken as unexposed to GREAT project interventions. Involvement in the Community Action Cycle (CAC) focused on village leaders and was therefore not included in the exposure measure. In addition, engagement with VHTs was not included in the exposure measure as there was no way to attribute that engagement to the intervention.

Statistical analysis

Statistical analyses considered sampling weights, clustering and stratifications. While unweighted descriptive statistics were calculated to summarize the data, sampling survey weights were used for all other statistical analyses. Less than 2% of the data were missing for any given response item and across all the items.

The evaluation design was planned to be quasi-experimental with a matched control group at the baseline. However, due to broad coverage of the radio drama even in control areas (48%), effect sizes for the GREAT project interventions were obtained as difference-in-differences estimates from models using propensity score matching. Exposed and unexposed endline participants were propensity score matched to baseline participants using a logistic regression model. Propensity scores were calculated using sex, age, education level, and religion, district, and employment status and sampling weights. For NM/NPs and adult respondents, the number of biological children and marital status were also included. The propensity scores at endline were generated separately for the exposed and unexposed respondents. Regression models were estimated with cluster robust standard errors at village level to compute marginal outcome estimates for the counterfactuals for the exposed group. The difference in marginal outcome estimates between the counterfactuals and exposed endline group are the effect sizes of exposure to the GREAT interventions. The p-score suite of commands in Stata 13 was used for these analyses. All analyses were conducted using Stata 13.

Patient and Public Involvement

The intervention approach was guided by a technical advisory group (comprised of representatives from government, civil society and community, and youth leaders) and designed with the goal of

eventual scale up and sustainability. The intervention development was also informed through life history ethnographic research with adolescents, their parents, and community leaders; extensive in-country program design; pre-testing with adolescents and stakeholders; and routine monitoring efforts and feedback sessions with adolescents and adults. Local partner organizations and community members were also involved in the pretesting of the baseline and endline study, and participated in dissemination workshops and community meetings following baseline, midline qualitative assessment, and endline surveys.

RESULTS

Background Characteristics

Across all life stages, most respondents were Catholic, and predominantly ethnic Acholi in Amuru district and ethnic Lango in Lira district (Table 3). Primary education was high across cohorts (64% of adults and 80% of VYAs), and most participants indicated that their highest level of education was primary school (85% of OAs, 76% of NM/NPs, and 59% of adults). The majority of adults were married (79%) and 44% were employed.

[Table 3: Background characteristics of endline survey respondents]

Exposure to the Intervention and Diffusion

As shown in Table 4, exposure to the intervention components varied by life stage. Overall, however, 61% of all respondents reported being exposed to the Oteka radio program. Exposure to the toolkit was much lower (about 7% overall), although 21% of VYAs reported using the toolkit through school-based implementation. VHT and CAC exposures were also low at 6% and 14% respectively.

[Table 4. Exposure to GREAT intervention components by life stage]

Intervention Effect on Gender Inequity

Overall, the results show several significant improvements in behaviors and behavioral precursors (i.e., knowledge and attitudes) related to gender inequity (Table 5). Of the nine life stage measures in this domain, seven exhibited significant shifts toward greater gender equitability. Among VYAs, there was a significant increase in brothers helping sisters with chores, with 84% of exposed VYAs reporting this compared to an estimated 62% in the counterfactual group (p<0.05). Among OAs, there were significant reductions in mean scores on the inequitable gender attitudes and household roles scales. Exposed OA boys were also significantly more likely to report discussing sisters' education with parents (72%) than among the estimated counterfactual group (56%) (p<0.05). The two remaining measures were not statistically significant, but trended towards increased gender equality. For example, exposed VYAs reported more discussions with parents about sisters' education (69%) than estimated had they not been exposed (52%).

[Table 5. Intervention effects on gender inequity by life stage]

Gender-based violence

Marked reductions were observed in some key behaviors and behavioral precursors of gender-based violence (GBV) for the older life stage but not for VYAs (Table 6). Among VYAs, there were no significant intervention effects on girls' and boys' reports of experiencing and perpetrating

recent unwanted touching. Among both OAs and NM/NPs, there were significant intervention effects reducing inequitable attitudes toward GBV, and among OAs there was a significant positive intervention effect on confidence in seeking help for unwanted touching. For OAs, effects on behaviors were mixed by gender. Among OA boys exposed to the intervention, only 4% reported perpetrating unwanted touching, compared to an estimated 12% had they not been exposed (p<0.05), while among OA girls there was no significant intervention effect on reports of experiencing unwanted touching. Among male and female NM/NPs living with their partner, there was a significant intervention effect on violent reactions to a partner, declining from 21% estimated among the counterfactual group to 5% among the exposed group (Effect size = -15.7%, 95% CI: -27.1%, -4.4%).

[Table 6. Intervention effects on gender-based violence by life stage]

Sexual and Reproductive Health

For the final outcome of interest, there were significant improvements in the SRH domain for the older life stages, but not for the VYAs (Table 7). There were no significant intervention effects on the two indicators of VYAs' puberty knowledge, although knowledge was high in both the exposed group and the estimated counterfactual. For example, among the exposed group, 89% could identify at least two puberty indicators, compared to an estimate of 86% had they not been exposed. There was a significant intervention effect on reducing inequitable SRH attitudes and increasing contraceptive self-efficacy among both OAs and NM/NPs. Current family planning (FP) use also experienced an increase among sexually active OAs and NM/NPs, though statistically significant only among NM/NPs. Specifically, 41% of exposed sexually active OAs reported contraceptive use compared to an estimated 31% had they not received the intervention (Effect size = 10.1 CI = -1.0, 21.1). Among NM/NPs, 44% reported current FP use among those exposed to the intervention, compared to a 33% counterfactual estimate (Effect size = 10.4, 95% CI = 1.1, 19.6). OAs and NM/NPs also experienced significant positive intervention effects on intentions to use FP in the future, among those currently not using a method.

[Table 7. Intervention effects on SRH attitudes and behaviors by life stage]

Supportive environment via adult role-modeling and individual change

Results for adult participants indicated a significant intervention effect on decreasing inequitable gender attitudes (Effect size = -8.0, 95% CI= -12.8, -3.1). The proportion of adults who helped adolescents who wanted to avoid getting pregnant increased by 17% (95% CI: 1.8, 32.3) and the proportion of adults who talked to adolescents about what it means to be a respectful man or woman in the community increased by 23% (95% CI: 7.7, 38.5).

[Table 8. Enabling environment for gender equitable attitudes and practices (adult respondents)]

DISCUSSION

The GREAT intervention was developed using hypothesis-driven design, as informed by existing theory, empirical work, global adolescent programming, and formative ethnographic research. It was hypothesized that life stage-tailored and gender-synchronized delivery of narrative-based program components (i.e., radio drama, puberty story books, and story-based activity cards) would achieve desired outcomes. Findings suggest that the five scales—gender equitable attitudes,

household roles, inequitable attitudes toward GBV, SRH norms, and contraceptive self-efficacy—were internally consistent across all domains. Furthermore, these scales appeared to tap into constructs positively impacted by GREAT, with statistically significant improvements shown across all five domains for newly-married or parenting adolescents (NM/NPs) and in three domains for older adolescents (OAs). Results also indicate that GREAT contributed to reductions in GBV and improvements in SRH outcomes, particularly for OAs and NM/NPs. Findings from the adult sample indicate significant intervention effects on decreasing inequitable gender attitudes, increased willingness to help adolescents who want to avoid getting pregnant, and an increased proportion of adults who talked to adolescents about what it means to be a respectful man or woman in the community.

The intervention effects seen are particularly notable given that the GREAT approach is relatively resource light, consisting of weekly radio drama sessions, community mobilization efforts conducted at the parish (rather than village) level, and adolescent engagement through existing community groups using a participatory toolkit. Findings suggest that listening to the Oteka radio drama was the main way respondents were exposed to GREAT, and therefore the primary driver of the changes identified by the evaluation. This is consistent with high radio listenership in northern Uganda. Only a small percentage of respondents, outside of VYAs, reported participating in the small group based activities using the GREAT Toolkit. This may be either because respondents were unable to identify exposure to other GREAT intervention elements when asked in the survey or too few individuals were actually exposed because the intervention used existing adolescent groups and clubs to enhance scalability, rather than forming new ones.

Limitations

An accurate assessment of the effectiveness of GREAT is based on the challenging task of measuring changes in complex social constructs (e.g., gender inequity) in eight distinct sub-groups (male/female early adolescents, OA, NM/NPs and adults). Although psychometric testing of the measures at endline yielded reliable scales for OA, NM/NPs, and adults, the VYA scales did not achieve adequate internal consistency. Some measures, especially the measures for VYAs, would have benefitted from additional piloting and refinement prior to the baseline, had time permitted. The results also rely on self-report of sexual behavior, family planning use, and GBV, which may be biased due to social desirability or recall. In addition, little change was observed among VYAs in study outcomes due to several potential reasons. First, this may be due to the fact that attitudes and knowledge were high at baseline, and therefore a significant change was more difficult to achieve. Second, only a few behavioral measures for this age group were included in the survey, and thus it may have been that the inclusion of additional behavioral measures would have captured change. Finally, it may also have been due to weaknesses in the intervention itself. For example, it may have been that the intervention did not have the correct content or approach for VYA participants.

As with many community-based interventions in rural areas, intervention coverage was one of the most complex and challenging issues confronting GREAT implementation. First, there was high exposure to the radio broadcasts in both control and experimental villages. Although we overcame this issue through the use of propensity score matching, we were unable to assess intervention effectiveness through our original quasi-experimental pre-post study design. Second, the intervention occurred within parishes that had received other radio programs in the past. In order

to isolate effects of GREAT's Oteka radio show, we chose to code individuals who could not remember specific character names in Oteka as unexposed to GREAT. It is possible that the effects of GREAT would be larger if we had taken a less conservative approach in our exposure criteria. While the intervention components were extensively pre-tested and revised, the intervention would have benefited from a proof of concept (pre-pilot) phase to assess the package in routine implementation circumstances. Future research and pilot studies would benefit from additional investment such as this, which would likely yield benefits in terms of ease of implementation, improved coverage and package adjustments based on better understanding of change mechanisms. Finally, this study was not designed to assess the independent effects of each component. Given the theoretical importance of understanding the value of single-component versus multicomponent interventions⁶, future research investments to assess these independent versus combined intervention component effects is necessary. Another priority is to improve approaches to assess dosage and exposure to generate evidence on how much intervention is sufficient to reach a tipping point of behavior change, a research question prioritized by Haberland et al. (2018).

Implications

To our knowledge, GREAT is the only program that simultaneously engages VYAs, OAs, and first-time parents using life-stage tailored content. This is despite widespread acknowledgement of the need for multicomponent, life-stage tailored, and gender transformative programming approaches, there is little evidence available on their effectiveness. ¹⁶ This article addresses this gap and suggests that shifting gendered attitudes and SRH behaviors among girls and boys across adolescent life stages, even with a relatively resource-light approach, is achievable in this study setting.

This participatory, narrative-based intervention is resource-light and should be scaled and tested in other contexts to address broader community-level norm change and SRH and GBV outcomes in culturally-appropriate ways. In addition, this intervention targets multiple outcomes simultaneously (gender attitudes, violence, SRH) among boys/men and girls/women at different life course stages. This intersectional approach is increasingly recognized as essential due to the cross-cutting nature of gender across the life cycle. The promising measures highlighted in this paper can also be applied and further refined in other research initiatives to advance available gender and SRH measures. Donors, health researchers, and implementers must build on this growing momentum to implement and rigorously test gender transformative approaches to advance gender equity, improve adolescent SRH, and achieve sustained change.

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analysis. All authors contributed to interpretation of the results, and meaningful contribution to writing and accepting the final manuscript. ND, SO, DN had full access to all the data in the study and takes responsibility for the integrity of the data and the accuracy of the data analysis.

Data Availability Statement: Data are available upon reasonable request. Please contact the corresponding author for access to data or Stata codes used.



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TABLES.

Table 1: Study participants by life stage at baseline and endline

Life Stage	Age (In Years)	Description	Baseline sample size (Females; Males)	Endline sample size (Females; Males)
Very Young Adolescents (VYAs)	10-14	Boys and girls; attending school	450 (F: 225; M: 225)	450 (F: 227; M: 223)
Older Adolescents (OAs)	15-19	Boys and girls; unmarried, without children (in and out of school)	1,107 (F: 556; M: 551)	1,094 (F: 549; M: 545)
Newly Married / Newly Parenting Adolescents (NM/NPs)	15-19	Boys and girls; married / cohabitating with or without children (in and out of school)	506 (F: 304; M: 202)	507 (F: 307; M: 200)
Adults	20+	Men and women; community members	401 (F: 194; M: 207)	398 (F: 216; M: 182)
Total		4	2,464 (F: 1,279; M: 1,185)	2,449 (F: 1,299; M: 1,150



Table 2. Summary of scales, coefficients of reliability (Cronbach's alpha) by life stage and exposure status, and included items

Inequitable gender attitudes scale	VYA	OA	NM/NP	Adult
Sample size by exposure status (Unexposed; Exposed)	U: 149; E: 301	U: 513; E: 594	U: 220; E: 287	U: 177; E: 244
Alpha coefficients	-	U: 0.65; E: 0.61	U: 0.66; E: 0.64	U: 0.64; E: 0.63

- 1. Giving a bath and feeding kids are the mother's responsibility
- 2. A woman's role is taking care of her home and family
- 3. A man should have the final word about decisions in the home
- 4. A woman should obey her husband in all things
- 5. Men are always ready to have sex
- 6. There are times when a woman deserves to be beaten
- 7. A woman should tolerate violence to keep her family together
- 8. If someone insults a man, he should defend his reputation with force if he has to
- 9. Girls who carry condoms are promiscuous
- 10. It is solely a woman's responsibility to avoid getting pregnant
- 11. Men should be offended (outraged) if their wives ask them to use a condom

Inequitable household roles sharing scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.59; 0.61	U: 0.75; E: 0.70	U: 0.74; E: 0.66

- 1. A woman's role is taking care of her home and family
- 2. A man should have the final word about decisions in the home
- 3. Giving a bath and feeding kids are the mother's responsibility
- 4. It disgusts me when I see a man acting like a woman (not asked of adults)
- 5. A woman should obey her husband in all things
- 6. It is more important for boys to get an education than girls (not asked of older adolescents)
- 7. If there is a limited money to pay for school fees, it should be spent on sons first (not asked of older adolescents)
- 8. Boys should have more free time than girls (not asked of older adolescents)

Inequitable attitudes toward GBV scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.62; E: 0.60	U: 0.62; E: 0.54	U: 0.60; E: 0.59

- 1. If someone insults a man, he should defend his reputation with force if he has to
- 2. There are times when a woman deserves to be beaten
- 3. A woman should tolerate violence to keep her family together
- 4. A man using violence against his wife is a private matter that shouldn't be discussed outside the couple
- 5. Physically beating your children is a good way to make them behave
- 6. I believe it is important to use non-violent ways of disciplining youth, instead of physical violence

Inequitable attitudes about sexual and reproductive health (SRH) scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.71; E: 0.67	U: 0.69; E: 0.62	-

- 1. Men should be offended (outraged) if their wives ask them to use a condom
- 2. Men are always ready to have sex
- 3. Girls who carry condoms are promiscuous
- 4. Only when a woman gives birth to a child is she a real woman
- 5. Only when a man has a child will he be a respected member of his clan
- 6. An ideal married couple will produce a child in the first year of marriage
- 7. A man and a woman should decide together what type of contraceptives to use

Table 3: Background characteristics of endline survey respondents

	Very Young	Older	Newly Married /	Adults
Characteristic	Adolescents	Adolescents	Newly Parenting	
	(n=450)	(n=1,094)	(n=506)	(n=398)
Age, median	13.5	16	18	31
Sex, %				
Male	49.6	49.8	39.4	45.7
Female	50.4	50.2	60.6	53.0
Religion, %				
Catholic	56.5	63.5	68.6	59.1
Pentecostal	14.3	10.6	**	12.1
Protestant	24.8	25.2	22.3	27
Other	4.5	0.8	9.15	2
Tribe, %				
Acholi	46.7	50.3	49.8	47.9
Lango	50.9	49.4	49.4	51.7
Other	2.5	0.4	0.8	0.5
Education level*, %				
Primary 4/5	41.6			
Primary 6/7	21.3			
Senior 1/2	17.1			
None		3.0	9.35	22.3
Primary		85.4	75.8	58.6
Secondary		15.3	14.9	19.1
Currently schooling		58.4		
Marital status, %				
Cohabitating			44.8	
Married			38.7	
Single parents			16.6	
Married/cohabiting				78.8
Never married				8.9
Separated				12.3
In romantic relationship, %		24.5	79.2	
Employed, %		19.2	34.4	44.5
Have at least one child, %			71.6	
No. of children, mean				4.0
Currently living with brother/sister, %	81.6	76		
Self/partner currently pregnant, %			27.1	
Has a trusted adult to talk to, %	58.9	83.5	86.9	

^{*}Unless stated otherwise education level refers to the highest level of education attained, whether or not the level was completed.

^{**}Cells with no data indicate response option or question not asked.

Table 4: Exposure to GREAT intervention components among all endline participants by life stage

		Expos	sure (%)	
Life Stage	Radio	Toolkit	CAC	VHT
Very Young Adolescents	68.1	21.4	5.8	10.7
Older Adolescents	58.9	3.3	4.8	9.3
Newly Married / Newly Parenting	58.3	4.9	6.8	22.1
Adults	61.9	1.8	9.8	25.2
Total	61.1	6.5	6.2	14.6

Table 5: Intervention effects on gender inequity by life stage

		Ove	erall		
Outcome	N Exposed	% or mean		Intervention Effect	
		Obs.	CF		
Very Young Adolescents ^a					
% helped sister with chores/was helped by brother	256	83.5	62.4	21.1 (4.1, 44.7)*	
% discussed with parents/guardians about continuing with education/ sister continuing her education	256	68.8	52.4	17.1 (-2.9, 35.7)	
Older Adolescents ^b					
Inequitable gender attitudes scale ^c (mean)	553	49.8	54.0	-4.2 (-7.1, -1.4)*	
Inequitable household roles (mean)	553	49.6	63.1	-11.8 (-15.6, -7.9)*	
% boys who ever talked to their parents or another adult about the importance of sisters continuing with studies	334	72.2	56.0	16.2 (6.2, 26.2)*	
Newly Married / Newly Parenting b					
Inequitable gender attitudes scale (mean)	224	55.9	59.6	-3.7 (-7.7, 0.3)	
Inequitable household roles scale (mean)	224	62.6	69.1	-6.5 (-10.8, -2.2)*	
% men involved in at least two childcare activities in a typical week	224	51.8	41.5	10.3 (0.9, 19.7)*	
% that was helped by spouse with household chores	224	65.4	53.4	11.9 (2.3, 21.5)*	

^{*}p <0.05; Obs: Observed outcomes among the exposed; CF: Counterfactual or expected outcome in absence of exposure

^a Effects adjusted/matched on age, person staying with, presence of sibling of opposite sex in household, education level, current schooling status, religion and district.

^b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

Table 6: Intervention effects on gender-based violence by life stage

		Ove	rall		
Outcome	N Exposed	% or mean		Intervention Effec	
		Obs.	CF		
Very Young Adolescents ^a					
% of girls whom boys touched on their buttocks or breasts without their permission in past 3 months	137	8.4	14.1	-5.7 (-16.0, 3.5)	
% of boys who touched a girl on her buttocks or breasts without permission in past 3 months	172	6.8	7.2	0.4 (-19.3, 11.3)	
Older Adolescents ^b					
Inequitable attitudes toward GBV scale ^c	553	23.6	25.5	-1.9 (-5.0, -0.2)*	
% who are confident that they would get help if they are being touched in ways that make them feel uncomfortable	553	91.2	82.7	8.5 (3.2, 13.8)*	
% of girls whom boys touched on their buttocks or breasts without their permission in past 3 months	219	16.7	18.5	-1.8 (-7.4, 3.8)	
% of boys who touched a girl on her buttocks or breasts without permission in past 3 months	334	4.3	12.0	-7.7 (-13.1, -2.3)*	
Newly Married / Newly Parenting b					
Inequitable attitudes toward GBV scale	224	23.6	28.3	-4.7 (-9.8, -0.3)*	
% who reacted violently to the partner	224	5.3	21.0	-15.7 (-27.1, -4.4)*	

^{*}p <0.05; Obs: Observed outcomes among the exposed; CF: Counterfactual or expected outcome in absence of exposure

^a Effects adjusted/matched on age, person staying with, presence of sibling of opposite sex in household, education level, current schooling status, religion and district.

^b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

		Ove	erall	
Outcome	N Exposed	% or	mean	Intervention Effect
	Lxposeu	Obs.	CF	Lifect
Very Young Adolescents ^a				
% recognize that boys and girls experience different rates of body changes in puberty	309	83.5	74.7	-11.2 (-39.4, 0.1)
% able to identify at least 2 puberty indicators	309	89.3	86.1	3.2 (-4.2, 14.0)
Older Adolescents ^b				
Inequitable SRH attitudes scale ^c	553	40.6	50.7	-10.1 (-12.9, -7.3)*
Contraceptive self-efficacy	553	48.4	37.8	10.6 (5.8, 15.4)*
% Currently practicing FP (among sexually active)	251	40.8	30.7	10.1 (-1.0, 21.1)
% who intend to use a FP method in future (among all OAs)	553	70.0	54.2	15.8 (9.5, 22.2)*
Newly Married / Newly Parenting b				
Inequitable SRH attitudes scale	224	37.8	50.7	-12.9 (-17.3 <i>,</i> -8.5)*
Contraceptive self-efficacy	224	67.5	59.2	8.3 (4.2, 12.4)*
% Currently practicing FP	224	43.8	33.4	10.4 (1.1, 19.6)*
% who intend to use a FP method in future	224	85.0	75.0	10.4 (2.3, 18.5)*

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district.

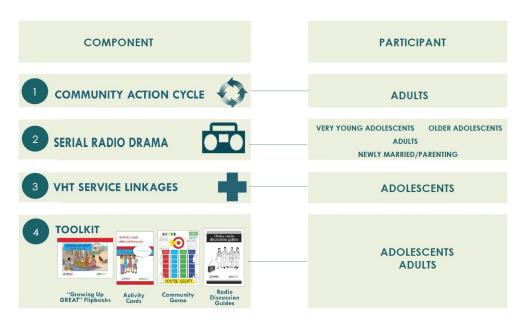
district.

b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

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ces (adult res N Exposed	Ove % or r	erall mean	36/bmjopen-2021-053203 Intervention Effect	
183	54.0	62.0		
183	41.6	53.4	17.0 (1.8, 32.3)*	
183	52.4	69.3	23.1 (7.7, 38.5)*	
	N Exposed 183 183 183	N % or 1 Obs. 183 54.0 183 41.6 183 52.4	Exposed % or mean Obs. CF 183 54.0 62.0 183 41.6 53.4 183 52.4 69.3	N Overall N Exposed Obs. CF 183 54.0 62.0 -8.0 (-12.8, -3.1)* 183 41.6 53.4 17.0 (1.8, 32.3)* Obs. Obs

^b This scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.



GREAT Intervention Package and its Four Components 331x198mm (96 x 96 DPI)

APPENDICES.

APPENDIX A. GREAT Endline Household Survey Instruments

1136/bmjopen-2021-053203 on 22

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102	How old were you on your last birthday? If the participant does not know his/her age: "Can you tell me in what year you were born?"] [AGE TO BE CALCULATED AFTER THE INTERVIEW]	MWAKA MERE (Age in complete years)	Onwongo itye mwaka adi ikare ame ikwero kede nino me nywali ni me agikki? How old were you on your last birthday? PENY KA AGAM APENY PE NEEO MWAKA MERE: "Itwero tita dwe kede mwaka mene ame onywali ive?" [If the participant does not know his/her age: "Can you tell me in what year you were born?"] [AGE TO BE CALCULATED AFTER THE INTERVIEW]	
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103.	What is your religion?	ATOLI (Catholic)	Itye idini mene? (What is your religion?)	
		OGERI (Protestant)	religion?) ed by co pyrig pht	

1136/bmjopen-202

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		SDA (SDA)	9
		OKENE MAPAT (OTHER)	22 March
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104.	Which tribe do you primarily identify with?	ACHOLI	Rok ni obedo mene? (Which tribe do you primarily identify with?)
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105.	Who do you live with?	MAMA KEDE BABA (MOTHER ANDFATHER)	Ibedo kede nga? (Who do you live with?)
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106.	Is this person under the age of	EE (YES)	Dano man tye ame pe tunu mwaka 20?	
	20?		(Is this person under the age of 20?)	
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			school you attended?)	
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108.	Do you plan to continue	EE (YES)	Itye kede pulan me medde kede kwan?	201
	studying?		(Do you plan to continue studying?)	
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109.	What is your primary reason for	MYERO TII PI OCARA (Need to work	Tyen kop ango ame gengi mede kede	
103.	not continuing your studies?	for a wage)	kwan? (What is your primar) reason for	
	MULTIPLE RESPONSES	Joi a Wage,	not continuing your studies?	
	POSSIBLE.		4	
			by g	
			ue s	
		MYERO TII I PACO (Need to work at home)	guest. Protected	
		CENTE ME KWAN PE (No funds for	ect	
		school fees)	ed by	

ONYWAL PE MITO (Parents don't	1-0
want)	532
OTYEKO KWAN (Has completed	03
education)	On On
LWENY OBALO KWAN OKO	22
(Disrupted by war)	Mar
OKENE MAPAT (OTHER)	C 1
TITI (Connectific)	<u> </u>
TITI (Specify)	Ņ

SECTION 2: SEXUAL AND REPRODUCTIVE HEALTH KNOWLEDGEAmitto dong penyi apeny mogo anonok amako aloka ame timere ikom owobe kede onyira ame nwongo gin tye adongol would now like to ask you a few questions about changes that beys and girls experience during adolescence.

KAD ME TUKU: "aman obino cakko tic kede kad me tuku. Tye kwone kad gin adek – kad arema tye kede apeny ikom ngec atye ateni, en alulum penyo tam ango ame itwero miyo ngatoro okene atidi, eka kad ayelo penyi me miyo tammi ikom wi lok apapat. Yu malo gagi magi me nenno kad kala acal nedi ame ibino nwongo, eka abino kwanni apeny eka ite dok iye."

CARD GAME: "We are going to begin with a card game. There are three types of cards – the red cards have questions about facts, the green ask what advice you would give other young people, and the yellow ask you to give your opinion on different topics. Throw this die to see what color card you will get, then I will read the question for you to answer."

RED CARDS (FACTS)

201	True or false: It is normal for	ATENI (TRUE)	Ateni nyo goba: Tye kakare me owobe
	boys and girls to experience		kede anyira me bedo kede a kata-loka I
	changes in their body at		kom gi man ikare apapat (True or false:
	different rates.		It is normal for boys and girls₫o
			experience changes in their bady at
			different rates.)
		GOBA (FALSE)	y c

202. True or False? Once a girl gets her first period, it is time for her to start having sex. 203. True or false? boys and girls experience sudden changes of emotions while going through puberty? 204. False of the first period girls experience sudden changes of emotions while going through puberty? 205. GOBA (FALSE) 206. False? boys and girls experience sudden changes of emotions while going through puberty? 207. False? boys and girls experience sudden changes of emotions while going through puberty? 208. False of the first period, it is time for her to start having sex.) 209. Ateni nyo goba? Anyira beddkede aloka loka ikom gi atura ame mwodgo dong otye codongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) 209. False of the first period, it is time for her to start having sex.) 200. False? boys and girls experience sudden changes of emotions while going through puberty?) 201. False of the first period is the first period in the first period is the first period period is the first period is			BMJ Open	136/br
202. True or False? Once a girl gets her first period, it is time for her to start having sex. 203. True or false? boys and girls experience sudden changes of emotions while going through puberty? 204. A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? 206. True or false? Done a girl gets her first period, it is time for her to start having sex.) 207. Ateni nyo goba? Anyira bedckede aloka loka iloka				njopen-20;
her first period, it is time for her to start having sex. GOBA (FALSE) PE NGEO (DON'T KNOW)			PE NGEO (DON'T KNOW)	21-05
PENGEO (DON'T KNOW) ATENI (TRUE) Ateni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty? GOBA (FALSE) PENGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her? NYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) NYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) OKENE MAPAT (OTHER)	202.	her first period, it is time for her	ATENI (TRUE)	nenno two dwe mere me acel, kare mere nwongo dong oromo oko me cakko ribere kede icoo . (Truz or False? Once a girl gets her first peried, it is time
PENGEO (DON'T KNOW) ATENI (TRUE) Ateni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty? GOBA (FALSE) PENGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her? MYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) NYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) OKENE MAPAT (OTHER)		0,4	GOBA (FALSE)	I.S Dow
experience sudden changes of emotions while going through puberty? GOBA (FALSE) PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? NYAKO ACEL ACEL DONGO IKARE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) NYAKO ACEL ACEL DONGO IKARE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) loka ikom gi atura ame nwobgo dong otye odongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) Anyaka me mwaka 12, okobi ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abbingo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)			PE NGEO (DON'T KNOW)	/nload
### PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) 204.	203.	experience sudden changes of emotions while going through	ATENI (TRUE)	loka ikom gi atura ame nwoßgo dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while
PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) 204. A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? PE NGEO (DON'T KNOW) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) Anyaka me mwaka 12, okobi ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?)			GOBA (FALSE)	Coom
A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? Anyaka me mwaka 12, okobî ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? (A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)			PE NGEO (DON'T KNOW)	9
friends already have breasts, but she is flat as a board. What would you say to her? MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) Onwongo itwero kobe ngo? (A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)	GREEN CA	RDS (ADVICE)		prii
OKENE MAPAT (OTHER) TITI (SPECIFY) 8	204.	friends already have breasts, but she is flat as a board. What	MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN	mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What
TITI (SPECIFY)			OKENE MAPAT (OTHER)	cted
			TITI (SPECIFY)	by cc

		BMJ Open	36/br
			36/bmjopen-202
		PE NGEO (DON'T KNOW)	-6
205.	A girl you know started getting	MAN PE OBEDO GIN ARAC TEKI	Nyako ame ingeo ocako neng two dwe
	her period last year and is	ONYIRA OCAKO NENNO TWO DWE	mere imwaka okato dok tyeskede lworo
	worried because it doesn't	GI; GIN MAN CAKO LUBERE KAKARE	ni pien pe maro bino ikare ikokome.
	always come at the same time.	MAN INGE KARE MORO (THIS IS	Onwongo itwero kobe ngo? (A girl you
	What would you tell her?	NORMAL WHEN GIRLS BEGIN TO	know started getting her perछ्रिd last year
		MENSTRUATE, THEIR CYCLES	and is worried because it doe્સુંn't always
		BECOME MORE REGULAR WITH	come at the same time. Whakiyould you
		TIME	tell her?)
		OKENE MAPAT (OTHER)	own
	-	TITI (SPECIFY)	badec
		PE NGEO (DON'T KNOW)	fron
206.	A boy you know tells you that	MAN PE BALO, PE OBEDO GINORO	Awobi ame ingeo nino moro⊋okobi ni
	sometimes he wakes up and his	AME OWOBE TWERO GENGO(THIS IS	ecoo I kabutu eka te nwongo ni pali
	underwear is damp. This	NORMAL, IT IS NOT SOMETHING	mere tye ojot. Man make kede lewic
	embarrasses him a lot. What	BOYS CAN CONTROL	tutwal. Onwongo itwero koke ngo? (A
	would you tell him?		boy you know tells you that sometimes
			he wakes up and his underwear is damp.
			This embarrasses him a lot. Wighat would
			you tell him?)
		OKENE MAPAT (OTHER)	n Apri
		TITI (SPECIFY)	11 17,
		PE NGEO (DON'T KNOW)	2024
207.	A classmate tells you that	PENY NGATORO ADIT AME GIN	Ngat ikwano kede okobi ni ngatoro I
	someone in their family touches	GENO ME PI KONY (ASK AN ADULT	tung gi mamako gi iyore mogo ame yi gi
	them in a way they don't like.	THEY TRUST FOR HELP, KEEP ASKING	pe mito. Onwongo itwero kobo ngo?
	What would you say?	UNTIL SOMEBODY HELPS)	(A classmate tells you that someone in
			their family touches them in 🖁 way they
			don't like. What would you say?)
		OKENE MAPAT (OTHER)	oy oc
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		T	02
		TITI (SPECIFY)	1-05;
		PE NGEO (DON'T KNOW)	1-053203
YELLOW C	ARDS (OPINIONS)		on 2
208.	Agree or disagree? It is normal that boys and girls begin to have romantic feelings once their bodies begin to develop.	OYEE (AGREE)	lyee nyo pe iyee? Tye kakare me owobe kede onyira me bedo kede miti bedo kede awobe nyo anyira teki ka kom gi ocako dongo (Agree or disagree? It is normal that boys and girls begin to have romantic feelings once their godies begin
		PE OYEE (DISAGREE)	to develop.)
209.	Agree or disagree? Drinking alcohol is an indication of a man's physical strength and endurance.	OYEE (AGREE)	lyee nyo pe iyee? Matto korgo arege obedo anyut me gupu a dang icoo (Agree or disagree? Drinking alcohol is an indication of a man's physical strength and endurance.)
		PE OYEE (DISAGREE)	n.br
210.	Agree or disagree? Drinking alcohol makes young people do things they might regret and hurt their health.	OYEE (AGREE)	lyee nyo pe iyee? Matto kongo mio jo atino timo jami ame otwero dok paro l cen dok dang balo yotkom ge (Agree or disagree? Drinking alcohol me kes young people do things they might regret and hurt their health.)
		PE OYEE (DISAGREE)	0024 b
ACKIE'S S	TORY	I	ි සිදු

	BMJ Open		
			136/bmjopen-20
	eka ate penyi apeny iye. mwaka kobe ni en bino cako neno twoo oneno ni te pali mere bedo adya ngoo ame mama mere okobe iko JACKIE'S STORY: "Now I'm going her period for the first time. That she needed to be careful of men.	acel okato angec, Jackie oneno two dwe dwe mere dwee-idwee, dong en myero ka icawa okene. en pe ngeo ngo ame g om coo. to tell you about X and then ask you a f day her mother told her that she would	ka mere tye 14, nyinge olwongoni Jackie, ee mere pi tyen me acel.mama mere te o cak gwokere ikom coo. acegi re, en Jackie in man obedo, dong en tye kede par ikom kew questions. About a year agos she got d bleed every month andthat from then on ness on her underwear some dos of the ment her mother made about men."
211.	When does the menstrual cycle begin?	NINO ME ACAKI ME NENNO TWO DWE (THE FIRST DAY OF MENSTRUATION) OKENE MAPAT (OTHER)	Two dwe cakere awene ? (When does the menstrual cycle begin?)
		TITI (SPECIFY) PE NGEO (DON'T KNOW)	ttp://bmjo
212.	When does the menstrual cycle end?	NINO AME NWONGO DWE OKENE PWOD PE INENO (THE DAY BEFORE THE NEXT MENSTRUATION)	Two dwe giko dong bino awene? (When does the menstrual cycle energy)
		OKENE MAPAT (OTHER)	on A
		TITI (SPECIFY) PE NGEO (DON'T KNOW)	Ap _{fii}
213.	What does this sensation of dampness that Jackie feels mean? MULTIPLE RESPONSES POSSIBLE.	EN TYE IKARE AME TWERO YAC (SHE IS OVULATING, SHE IS FERTILE)	Kodi pii pii ame Jackie onenoni obedo ngo? AGAM APOL TWERO NEN (What does this sensation of dampræss that Jackie feels mean?)
		OKENE MAPAT (OTHER)	Protected
		TITI (SPECIFY)	
		PE NGEO (DON'T KNOW)	by cc

214.	If Jackie had sexual relations,	EE (YES)	Ka Jackie oribere kede icoo, Ēeni en
	could she become pregnant on	(,	onwongo twero yac oko marikare ame
	any day of her cycle?		en tye anenno kede dwe meke? (If
	uny day of her cycle:		Jackie had sexual relations, could she
			1
			become pregnant on any day of her
			cycle?)
		PE (NO)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		PE NGEO (DON'T KNOW)	022
		,	D
215.	During what part of the	TYE ANENNO DWE MERE, IKARE	Ikare mene ame nwongo Jackie tye
	menstrual cycle does Jackie	AME EN NENO KEDE PII PII MAN IN	anenno kede two dwe mereāme en
	have the most risk of becoming	THE MIDDLE OF THE CYCLE, WHEN	twero dong yac kede oyot oହିଁot ka en
	pregnant if she has sex?	SHE FEELS SECRETIONS	oribere kede icoo? AGAM HWERO
	MULTIPLE RESPONSES		BEDO APOL S
	POSSIBLE.		(During what part of the menstrual cycle
			does Jackie have the most risk of
		10.	becoming pregnant if she hagsex?)
		OKENE MAPAT (OTHER)	ppen.
		TITI (SPECIFY)	Ŋ.
		PE NGEO (DON'T KNOW)	000

SECTION 3: EQUALITY IN EDUCATION AND HOUSEHOLD CHORES apeny okene anonok tye ikom gum me kwan kede tic okene apapat pi awobe kede anyira. kob kop ateni pien kop ame ikobo, abedo imung . poyo dang ni, pe tye agam'oro ame tye ateni onyo goba. man wan otye openyo kara tami

The next few questions are about opportunities for education and the different household chores for boys and girks. Please be honest – your answers are confidential, and remember, there are no right or wrong answers; these are simply your opinions.

	<u> </u>	
Peko a John tye iye (John's Dilemma)	, gu	
	es	

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		BMJ Open	136/bmjopen-
			jopen-20
	I am going to read you a letter		Abino kwanni balo ame oya Lbot John,
	from John, a boy your age.		awobi ame mwaka mere tye arom
	After I read it, I am going to ask		aroma kedi. Ka atyeko kwango, abino
	you about your opinions and		penyi ikom tami kede tam ame
	what advice you would give to		onwongo iromo miyo John kede anyira
	John and the girls in the story.		ame tye iyi icina man (I amagoing to
	,		read you a letter from John, & boy your
			age. After I read it, I am going to ask you
			about your opinions and what advice you
			would give to John and the gigls in the
			story.)
	cwero cunya, dok mia abedo ked ked-gi. ka atemo juko gi, gin kob awek dong yor gi aweka? an ked Dear Friend, When I go out with my friends, the out to them and laugh about the	le kwo atek, ento dong awoto kedgi kard o ni myero adong ate cako bedo calo ico le gen, John. hey like to follow girls and watch them v way their bodies are changing as they g out with them. Once when I told them to	when they fetch water. Sometimes they call grow up. It makes me uncomfortable but I to stop, they told me I should grow up and GREE or DISAGREE.
	READ ALOUD: I am going to read KWAN MATEK: abino kwani nyig	l you some statements. Tell me if you AC lok'ogo. koba IYEE onyo PE IYEE.	GREE or DISAGREE. 14 by quesst.
	Teasing girls is an appropriate	OYEE (AGREE)	tukku kede anyira obedo yoge ame
301.		• •	1 ' 5
301.	way boys show girls that they		awobe twero nyuti anyira kede ni gin
301.			awobe twero nyuti anyira kede ni gin omaro gi (Teasing girls is an appropriate

1136/bmjopen-202

		PE OYEE (DISAGREE)	N
			053
302.	Boys who do not tease girls will	OYEE (AGREE)	Awobe ame pe boko anyira wobe
	be made fun of by other boys.		okene bino nyero gi (Boys wg o do not
			tease girls will be made fun of by other
			boys.) ≤
		PE OYEE (DISAGREE)	ich.
303.	Calling out to girls in this wayis	OYEE (AGREE)	Lwongo anyira iyore man pester tutwal.
	not acceptable.		(Calling out to girls in this way is not
			acceptable.) §
		PE OYEE (DISAGREE)	nloa
304.	Girls should be flattered when	OYEE (AGREE)	Anyira myero awaka ka owope olwongo
	boys act this way.		gi iyore man (Girls should be flattered
		(0)	when boys act this way.) $\frac{3}{2}$
		PE OYEE (DISAGREE)	http:/
305.	What advice would you give	KOBI OWOTE MERE ME WEKKO	Tam ango ame onwongo itwero miyo
	John? (PROMPT ONCE:	YELLO GI (TELL HIS FRIENDS NOT TO	John? (What advice would wu give
	Anything else you would tell	TEASE)	John?) (PENY ICEL: Ginoro okene ame
	them? MULTIPLE RESPONSES		onwongo itwero kobe? AGAM APOL
	POSSIBLE.)		TWERE (PROMPT ONCE: Angthing else
	,		you would tell them?)
		NENNO GI ANENA (IGNORE THEM)	3
		NWONG NGATORO ADIT ME KONY	<u>≚</u> .
		(GET AN ADULT TO INTERVENE)	17,
			April 17, 2024
		KOBI NGATORO ADIT ICEN (TELL AN	
		ADULT LATER)	gue
		KWA KICA BOT ONYIRA (<u> </u>
		APOLOGIZE TO THE GIRLS)	Pro
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			by guest. Protected by copyright
			by
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			yrig
]].

3		BMJ Open	1136/bmj
			open-202
		WEK WOT OKO KEDE OWOTE NI PE OKO (STOP HANGING OUT WITH THOSE FRIENDS)	136/bmjopen-2021-053203 on 22
		OKENE MAPAT (OTHER)	<u> </u>
		TITI (SPECIFY)	arch
306.	What advice would you give the girls in the story? PROMPT ONCE: Anything else you would tell them? MULTIPLE RESPONSES POSSIBLE.	KOBI OWOBE ME WEKKO YELLO GI (TELL THE BOYS TO STOP TEASING)	Tam ango ame onwongo itvero miyo onyira I yi icina man? PENY ICEL: Ginoro okene ame imitto kobi gi?AGAM APOL TWERE (What advice would you giver the girls in the story?) MULTIPLE RESPONSES POSSIBLE.
		NENNO GI ANENA (IGNORE THEM)	n http
		NWONG NGATORO ADIT ME JUK GI (GET AN ADULT TO INTERVENE)	o.//bmjopen
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	.bmj.co
		OKENE MAPAT (OTHER)	on on
		TITI (SPECIFY)	April
ikomi idwe	ee okato ni.		ina. pi dakika anonok, amito ni Ham kami ame otimere like you to think about the things that happened to you guest
307.	During the last month have you been with any friends who were teasing a boy?	EE (YES)	Ikare me dwe okato kong ibe o kede owote ni moro ame onwong o type the last of

		BMJ Open	1136/bi	
			136/bmjopen-202	
			have you been with any friends who were teasing a boy?)	
		PE (NO)	on 22	310
308.	Did you do anything about it?	EE (YES)	Itimo ginoro iye? (Did you de anything about it?)	
		PE (NO)	2022	310
309.	What did you do? MULTIPLE RESPONSES POSSIBLE.	KOBI GI PE ME MEDDE KEDE YELLO (TELL THEM NOT TO TEASE)	Itimo ngo? AGAM APOL TWERE (What did you do?)	
		WOT ALILING (WALK AWAY)	loaded from	
		NWONG NGATORO ADIT (GET AN ADULT)	http://bn	
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	njopen.t	
		LOK KEDE OWOTE NI ICEN (TALK TO YOUR FRIENDS LATER)	mj.com/ on	
		OKENE MAPAT (OTHER)	April 17	
		TITI (SPECIFY)		
		PE NGEO/PE POYO (DON'T KNOW/DON'T REMEMBER)	2024	
310.	During the last month, have you been with any friends who were teasing a girl?	EE (YES)	Ikine me dwe okato, ibedo kede owote ni mogo ame onwongo tye ayello nyako moro? (During the last month, have you been with any friends who were teasing	
		PE (NO)	ed by cop	313 if Girl 316 if Boy

		BMJ Open	36/br	
			36/bmjopen-20	
			, N	T
311.	Did you do anything about it?	EE (YES)	ltimo ginoro iye? (Did you da anything about it?)	
		PE (NO)	903 on 2	313 if Gi 316 if Bo
312.	What did you do? MULTIPLE RESPONSES POSSIBLE.	KOBI GI PE ME MEDDE KEDE YELLO (TELL THEM NOT TO TEASE)	Ibin itimo ngo? (What did you do?) AGAM APOL TWERE (MULTIRE RESPONSES POSSIBLE.)	
		WOT ALILING (WALK AWAY)	022 20 D	
	0/	NWONG NGATORO ADIT (GET AN ADULT)	ownloaded	
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	from	
		LOK KEDE OWOTE NI ICEN (TALK TO YOUR FRIENDS LATER)	http://bmjo	
		OKENE MAPAT (OTHER)	p en	
		TITI (SPECIFY)	B	
		PE NGEO/PE POYO (DON'T KNOW/DON'T REMEMBER)	1	
	PI ONYIRA KEKEN (FOR GIRLS ON		3 P	
313.	Do you feel able to tell a boy to stop doing something that makes you feel uncomfortable?	EE(YES)	Itamo ni itwero kobi awobi amoro keken me wekko timmo ginoro ama mio kwoo ni bedo atek? (Do you feel ble to tell a boy to stop doing something that makes you feel uncomfortable?)	
		PE(NO)	you jeer uncomjortable:) (9	
314.	During the last 3 months, has a boy done something to scare or intimidate you on purpose?	EE (YES)	Ikine me dwete 3 okato, awebi moro otimo ginoro me miyi lworogiyo buri kun onwongo yie tye amitto During the last 3 months, has a boy don something to scare or intimidate you on purpose?)	

		BMJ Open	1136/bmjopen-2021-05
			njope
			n-20
		PE (NO)	21 -0
315.	During the last 3 months, has a	EE (YES)	Ikine me dwete 3 okato, awabi moro
	boy touched you on your		ogudu kwon dudi nyo cakki abongo
	buttocks or breasts without		twero ni (During the last 3 months, has
	your permission?		a boy touched you on your battocks or
			breasts without your permisङ्क्यैon?)
		PE (NO)	2022
	PI OWOBE KEKEN(FOR BOYS ON	LY)	<u>;</u> D
316.	During the last 3 months, have	EE (YES)	Ikine me dwete 3 okato, itimo ginoro
	you done something to scare or	6	me miyo nyako moro lworo 🛱 yo bure
	intimidate a girl on purpose?		ame onwongo yi amitto (Duging the last
			3 months, have you done something to
		`\\\.	scare or intimidate a girl on ந்பூrpose?)
		PE (NO)	http://
317.	During the last 3 months, have	EE (YES)	Ikine me dwete 3 okato, imako kwon
	you touched a girl on her		dud nyo cak a nyako moro agongo
	buttocks or breasts without her		twero mere (During the last 3 months,
	permission?	. (2)	have you touched a girl on her buttocks
			or breasts without her permission?)
		PE (NO)	on ,
			April 17, 2024 by
			17,
			202
			24 b
			ues
			r. P
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BMJ Open BMJ Open 202	
CABIT MA MEGA: YAR KAN ALER CALE AME NYUTO JAMI AME TYE ATIMERE KEDE COC AME TYE ITER. YAR	
ALER PUPARA ABIRO (7) AME TYE KEDE COC IYE ACALO 'AN', 'OMINA', 'AMINA', AN KEDE OMINA', 'AN KEDI	
AMINA, 'AN, OMINA KEDE AMINA' KEDE 'NGAT-OKENE' ka otyeko gini keto kad i yii kebe, gur agam ame tye	
kakare i piny.MY WEEK: SPREAD OUT PICTURES OF ACTIVITIES WITH CAPTIONS. PUT OUT THE SEVEN 77) PIEC OF PAPER LABELED AS "ME," "BROTHER," "SISTER," "ME & BROTHER," "ME & SISTER," "ME, BROTHER &	LES
SISTER," AND "OTHER". Once they have put the cards in the containers, CIRCLE the appropriate options below	w/
kob ni: pi gin ame owot timo icawa ni, gam akwako omege ni kede amege ni me toto acel keken. an apenyo	
apeny mogo, eka yin ite keto cal me ngo atye atimere ikom pupara ame nyutu nga ame tio kodi tico (AY: Foi	
next activity, I am really only interested in your biological brothers and sisters. I will ask some questions and	
would like for you to put the picture of the activity on the piece of paper that shows who does this activity.	
nlog	
adec	
d fro	
m n	

	Apeny Question	Agam atye Options	tp://t	
318.	GIRLS: Do you have any brothers living in your household currently? BOYS: Do you have any sisters living in your household currently?	EE (YES)	ANYIRA: Itye kede omege niame tye abedo kedi paco aman? (GI&LS: Do you have any brothers living in your household currently?) AWOBE: Itye kede amege ni mogo ame tye abedo kedi paco aman? (BOYS: Do you have any sisters living in your household currently?)	
		PE (NO)	7, 20	323
319.	During a typical week, who usually does the following tasks (you, your brother/sister)? (CIRCLE ALL RESPONSES MENTIONED.)	AN (AGAM APENY)	24 by guest. Prot	
		INOMERO (OMINI)	ected	
		LAMERO(AMINI)	by ca	

		BMJ Open	1136/bm
			136/bmjopen-2021-053
		MUKENE(NGATOKENE)	21-05
	a) Carrying water		a) Oomo pii (Carrying water)
	b) Washing dishes		b) Lwokko jami (Washing dishes)
	c) Preparing food		c) Yikko gin acama (Prepgring food)
	d) Digging in the garden		d) Pur (Digging in the garden)
	e) Sweeping the compound		e) Weyo dyekal (Sweeping) the compound)
	f) Carrying wood	4	f) Ommo yen (Carrying wood)
	g) Going to school	00	g) Wot I cukul(Going to school)
	h) Studying	0	h) Kwan (Studying)
	FOR GIRLS ONLY		ttp://t
320.	During the last week, did your brother(s) help you with your chores?	EE (YES)	Ikine me cabit okato,omini (mege ni) obin okonyi kede tici me paco? (During the last week, did your brother(s) help you with your chores?)
		PE (NO)	you with your eneres.y
321.	Have you ever talked to your parents or another adult about your desire to continue your studies?	EE (YES)	Kong iloko kede onywalli nyo ngatoro okene adit amako tami me medde kede kwan? (Have you ever talked to you parents or another adult about your desire to
		PE (NO)	continue your studies?)
	FOR BOYS ONLY	<u> </u>	t. Protect

•	1	N
During the last week, did you	EE (YES)	lkine me cabit okato, ibin ikoʻʻjyo
help your sister(s) with her (or		amini/amege ni kede ticere dic gi me
their) chores?		paco? (During the last week, aid you help
		your sister(s) with her (or the r) chores?)
	PE (NO)	22
		<u> </u>
Have you ever told your	EE (YES)	Kong ibin iloko kede onywal <mark>t</mark> i, nyo
parents/guardians that it is		ngatoro okene adit, amako ker amedde
important for your sister(s) to		kede kwan amini/amege niℜ(Have you
continue studying?		ever told your parents/guar∰ans that it
		is important for your sister(\$\frac{3}{2}\$ to
	6	continue studying?)
		<u>α</u> Θ
		<u>α</u> ±
		<u>q</u>
	PE (NO)	<u> </u>
		h tt
	help your sister(s) with her (or their) chores? Have you ever told your parents/guardians that it is important for your sister(s) to	help your sister(s) with her (or their) chores? PE (NO) Have you ever told your parents/guardians that it is important for your sister(s) to

SECTION 4: RELATIONSHIPS AND COMMUNICATION

Aman amitto lok kedi ikom wat ikin yin kede onywali, jo adongo okene kede owote ni; medo ikom mano, amitto kedi ikom aloka loka me kom ame itye inenno ikomi ka dong idoko dano adit.

Now I would like to talk about your relationship with your parents, other adults and friends; additionally, I would like to talk about the changes you are experiencing as you grow up.

401.	(Have you started experiencing any of the physical and emotional changes that take place during puberty?)	EE (YES)	Icako nenno aloka loka moro ikomi, nyo I cunyi ame nwongo timere acalo adwogi me dongo dokko dabo otego?(Have you started experiencing any of the physical and emotional changes that take place during puberty?)
		PE (NO)	The straiges that take place during publity:

		BMJ Open	136/bmjopen-	
			jopen-202	
402.	Is there an adult in your life that you would feel comfortable talking to about a concern that you have? PROBE: If yes, who? MARK RESPONSE IN SPECIFY	EE (YES)	Tye ngatoro adit I kwo ni ame igeno dok itwero lok kede amako kit peko moro keken ame itye kede? (Is there an adult in your life that you would feel comfortable talking to about a concern that you have?) PENY: Ka ee, nga?	
		PE (NO)	22.	
	0,	TITI (SPECIFY)	Download	
		V _O	ed ===	
403.	During the last 3 months, have you talked with any adult about romantic relationships or changes during puberty?	EE (YES)	Ikine me dwete 3 okato, kong iloko kede ngatoro adit amako wat ikin icoo kede dako nyo aloka loka ame timere ka idokko dano otego? (During the last 3 months, have you talked with any adult about romantic relationships or changes during puberty?)	405 if Girl 406 if Boy
		PE (NO)	on	
404.	Who have you spoken with? PROMPT ONCE: Have you spoken with anyone else? MULTIPLE RESPONSES POSSIBLE.	MAMA (MOTHER)	Iloko kede nga? (Who have≇ou spoken with?) PENY ICEL: Iloko kede dok nætoro okene? GAM APOL TWERE (MULTIPUE RESPONSES POSSIBLE.)	
		BABA (FATHER)		
		ANTI (AUNT)	tecte	
		NERO (UNCLE)	d by c	
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1136/bmjopen-202

		OKENE MAPAT (OTHER)	27-0
		TITI (SPECIFY)	32
405.	(GIRLS ONLY) In the last three months, have you talked with anyone about how to take care of yourself when you have your period?	EE (YES)	(ONYIRA KEKEN) I kine me dwete adek okato, kong iloko kede ngatoro amako kite me gwokko komi teki itwe inenno two dwe ni? ((GIRLS ONLY)) the the last three months, have you talked with anyone about how to take care of yourself when you have your period?)
		PE (NO)	qade
406.	(Now I want you to think about conversations you had with adults during the last month. Did you talk about any of the following topics)	EE (YES)	Aman amitto ni kong itam kong lok ame iloko kede ngatoro adit I dwe okato. Iloko wunu ikom jami magi: Now I want you to think about conversations you had with adults during the last month. Did you talk about any of the following topics)
		PE (NO)	bom/
		PE POYO(DON'T KNOW)	on Apr
	a) Physical or emotional changes during puberty.		a) Aloka loka me kom kede cuny ikare me dongo doko ngat otego (Physical or emotional changes during puberty) y guegg
	b) How ideal men and women should behave).		b) Kit ame coo kede mon ikokome bedo kede (How ideal men and women should behave).

		BMJ Open	1136/bmjopen-2
			open-202
	c) Romantic feelings or relationships		c) Mit nyo wat ikin icoo kede dako (Romantic feelings or relationships.)
	d) What to do if someone touches you in a way that makes you feel uncomfortable		d) Gin me atima teki ka ngatoro omaki iyore ame pe yomo yi (Whato do if someone touches you in a way that makes you feel uncomfortable)
	e) How to take care of your body		e) kite me gwokko komi. (Hand to take care of your body) Ownload
407	Let's change the topic now, and talk about taking care of your health. I am going to read you a few statements and I want you to tell me if you AGREE or DISAGREE.	OYEE (AGREE)	Wek kong olok ikom gin okene, man amako gwokko yotkomi. Abino kwanni nyig lok mogo anonok eka ate mitto ni ikoba ka IYEE nyo PE IYEE (Let's change the topic now, and talk about taking care of your health. I am going to read you a few statements and I want you to tell me if you AGREE or DISAGREE.)
	a) I know where to go if I need services to take care of my health.	PE OYEE(DISAGREE)	a) Angeo kwene ame myerogawot iye ka amitto kony amako yotkoma (I know where to go if I need services to take care of my health.)
	b) I am able to reach this place without too much difficulty)		b) Atwero tunu i kabedo an abongo peko moro(l am able to reach this place without too much difficulty)
	c) I am confident that I could seek these services if I wanted them.		c) Atye kede tek cuny ni atwero kwayo pi konyoro keken ka yia amitto (I am confident that I could seek these services if I wanted them.)

SECTION 5: GENDER ATTITUDES

Aman dok akwanni nyig lok mogo. Kong ite titta kace iyee nyo pe iyee ikom nyig lok magi

Now I am going to read some statements to you. Please tell me whether you agree or disagree with each statements.

			<u> </u>
501.	A man should have the final	OYEE (AGREE)	Icoo myero dong lok me agiরু I paco
	word about decisions in the		amako mokko tam. (A man should have
	home.		the final word about decisions in the
			home.)
	· O ₄	PE OYEE (DISAGREE)	Down
502.	Boys and girls should be equally	OYEE (AGREE)	Awobe kede anyira myero gm ducu otii
	responsible for doing household		tic me paco arom aroma (Bays and girls
	chores.		should be equally responsible for doing
		(6)	household chores.)
		PE OYEE (DISAGREE)	http://
503.	If someone insults a man, he	OYEE (AGREE)	Ka ngatoro onywaro icoo, eßmyero tii
	should defend his reputation	C /	ikome kede gero oromo pier nwongo
	with force if he has to.		obedo alane ka mitte amano (If
			someone insults a man, he should
			defend his reputation with force if he
			has to.)
		PE OYEE (DISAGREE)	Apri
504.	There are times when a woman	OYEE (AGREE)	Tye kare ame myero kom pwod mon
	deserves to be beaten.		(There are times when a wongan
			deserves to be beaten.) $\overset{\aleph}{4}$
		PE OYEE (DISAGREE)	by gu
505.	If there is a limited amount of	OYEE (AGREE)	Ka cente moro tye anonok α <mark>β</mark> e romo me
	money to pay for school fees, it		cullu kwan, myero kong tii kæde ikom
	should be spent on sons first.		otino awobe (If there is a lingited
			amount of money to pay for school fees,
			it should be spent on sons first.)
	1	I .	, , , ,

		BMJ Open	1136/bm
			136/bmjopen-2021-05
		PE OYEE (DISAGREE)	05
506.	A girl cannot become an ideal woman until she has had a child.	OYEE (AGREE)	Nyako pwod pe romo dokkodako ikwanyo ka onywalo atin (Agirl cannot become an ideal woman until she has had a child.) ≤
		PE OYEE (DISAGREE)	ar ch
507.	Giving a bath and feeding kids are the mother's responsibility.	OYEE (AGREE) PE OYEE (DISAGREE)	Lwokko kede miyo otino cerk obedo tic a dako (Giving a bath and feeding kids are the mother's responsibility.)
508.	Boys should have more free time than girls.	OYEE (AGREE) PE OYEE (DISAGREE)	Awobe myero bed kede cawa oromo me lalata ikato anyira (Boys should have more free time than girls.)
509.	It is more important for a girl to help at home and learn household activities than to spend time studying.	OYEE (AGREE)	Pire tek tutwal me anyira konyo I tic me paco eka ote pwonynyo ginigic ducu me paco kaka ballo cawa I kwang (It is more important for a girl to help at home and learn household activities than to spend time studying.)
		PE OYEE (DISAGREE)	April
			rll 17, 2024 by guest. Protected by copyright

			02
	APOL AME TYE KEDE CALE NYO I PREP: GET OUT THE CARDS WITI PICTURES OF A MAN ONLY, A W agiki. Magi kad ame tye kede ny	COO KEKEN, DAKO KEKEN, KEDE DONG I H 15 CHARACTERISTICS ON THEM. LAY O OMAN ONLY, AND A MAN AND A WOMA ig lok ame jo maro kobbo me poro coo k	<u> </u>
	Here are cards with words peop	a man and a woman. Take a card with a v belongs.	ve laid out pieces of paper with poictures of word on it, read the word on it and place it
			nloaded from http://bmjo
510.	a) Masculine Characteristics CIRCLE ALL PLACED UNDER PICTURE OF MAN	Amii jami(provider)	a) Jami amako coo Masculine Characteristics GUR KAD DUCU AME TYE ITE CAL ICOO. CIRCLE ALL PLACED UNDER PCTURE OF MAN April 17
		Bed awor(submissive)	, 2024
		Gwokko(Nurturer)	1 by g
		Ger(Violent)	by guest.
		Ryek (Intelligent)	Prote
		tela(Leader)	Protected by
		Nyek(jealous)	by co

eminine Characteristics CLE ALL PLACED UNDER	Kome tek(strong) Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful) Wie tio(Wise)	136/bmjopen-2021-053203 on 22 March 2022. Downloaded from b) Jami amako mon Feminine Characteristics
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	March 2022. Downloaded from b) Jami amako mon
	Wor(Obedient) Agen(Faithful) Wor(Respectful)	March 2022. Downloaded from b) Jami amako mon
	Agen(Faithful) Wor(Respectful)	b) Jami amako mon
	Wor(Respectful)	b) Jami amako mon
		b) Jami amako mon
	Wie tio(Wise)	b) Jami amako mon
	-666 -	b) Jami amako mon
TURE OF WOMAN	CV.	GUR KAD DUCU AME OKETOTTE CAL A DAKO CIRCLE ALL PLACED UNDER PECTURE OF WOMAN
Masculine and Feminine racteristics	10	c)Jami amako coo kede mon 3. Masculine and Feminine Characteristics GUR KAD DUCU AME OKETO TE CAL ICOO KEDE DAKO CIRCLE ALL PLACED UNDER PECTURE OF MAN AND WOMAN 17
		У 9
v often do you listen to the io?(READ THE OPTION OUT ID)	NINO NINO (ALMOST EVERY DAY)	Imaro winyo redio pi kare aram kwene? (How often do you listen to the radio?) by co pyrigi ht.
ir O	SURE TO INTERVENTION Ing otyekko atyeka. Aman, a re almost finished. Now, I wo recently. I often do you listen to the to:(READ THE OPTION OUT	SURE TO INTERVENTION Ing otyekko atyeka. Aman, amitto penyi apeny ikom kwone kwena The almost finished. Now, I would like to ask you questions about differently. To often do you listen to the openyi apeny ikom kwone kwena NINO NINO (ALMOST EVERY DAY) TO OFTEN OPTION OUT

		BMJ Open	136/bmjopen-20	
			pen-202	
			(KWAN GIN MAN ALONGO (READ THE OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST ONCE A WEEK)	22 X	
		ICEL ICEL I DWE ACEL (AT LEAST ONCE A MONTH)	March 20	
		PE KOM ATWAL (NOT AT ALL)	2022. D	605
602.	What radio stations do you usually listen to? (MULTIPLE RESPONSES POSSIBLE)	MEGA FM	Citecen mene ame imaro wigyo? (What radio stations do you usuall glisten to? (AGAM APOL TWERE)	
		CHOICE FM	from	
		RADIO LIRA	m htt	
		VOICE OF LANGO FM	p://b	
		OKENE MAPAT (OTHER)	mjo	
		TITI (SPECIFY)	9e n.r.	
603.	In the last 3 months, have you heard any radio broadcasts on the following:	EE(YES)	I kine me dwete 3, kong iwinyo puruguram moro ame otye aleyo iye lok magi: (In the last 3 months, have you heard any radio broadcasts on the following)	
		PE(NO)	7, 2	
		PE POYO(DON'T KNOW)	2024 b	
	a) How ideal men and women should behave)		a) Kit ame coo kede mon myero bed kede (How ideal men and women should behave)	

	BMJ Open	1136/b
		136/bmjopen-20;
b) Physical, emotional or social changes during adolescence		b) Aloka loka anen ikom, cury dano ka tye adokko dano otego (Physical, emotional or social hanges during adolescence)
c) Romantic feelings or relationships)		c) Miti nyo wat ikin coo ked mon (Romantic feelings or relationships)
d) Young people using family planning methods to prevent pregnancy	000	d) Jo atino atye atic kede yofe me lago nywal me gengo yac (Young people using family panning methods to prevent pregnane)
e) Men and women making decisions together in the home	le l'el	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making degisions together in the home)
f) Teasing, bullying or violence between boys and girls or men and women		f) Bokko, buro nyo gero ikin owobe kede onyira nyo coo kede mon (Teasing, bullying or violence between boys and girls or men and women)
g) Role of boys and girls in the home		g) Tic owobe kede onyira i kth paci (Role of boys and girls in the glome)

1136/bmjopen-202

	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marrage until they are 18)	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore me lago nywal me diro kare me nywallo atin gi okene (Young parents using family planning methods to delay the birth of their next child)	Skip to 605 If NO for all
	j) Girls staying in school)	000	j) Onyira ame tye I cukul (Girls staying in school)	
604	What was the name of the program?	COO PINY (SPECIFY)	nying puruguram man onwongo obedo ngo? (What was the name of the program?)	606 if Oteka mentioned
605	Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	KAKARE (YES)	anaka ni kong iwinyo puruguram moro me tuku goga I redio ame olivongo ni Oteka? Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	
		KUU (NO)	7, 20;	618
606	On what radio station did you hear Oteka?	MEGA FM	iwinyo puruguram me Oteka redio mene? On what radio stationedid you hear Oteka?	
		CHOICE FM	t. Pro	
		RADIO LIRA	Protected by capyright	
		VOICE OF LANGO FM	бу	

		BMJ Open	1136/bmjopen-202
		UNITY FM MUKENE MAPAT (OTHER) COO PINY (SPECIFY)	2021-053203 on
607	In the last 6 months, how often have you listened to Oteka?	EVERY WEEK	I dwete abicel okato angec, winyo Oteka tye adii? In the last 6 nonths, how often have you listened to Oteka?
	0/	MOST WEEKS OCCASIONALLY) bwnloade
608	When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS. MARK ALL RESPONSE OPTIONS MENTIONED.	cawa ame otuku I yee pe tye aber (Time of broadcast is not convenient)	ka pe iwinyo Oteka, nwongrigo ngo omio pe iwinyo? When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS. MARK ALL RESPONSE OPTIONS MENTIONED.
		wia wil oko (I forget) jo okene en aye moko tam ikom winyo redio (Other people decide on radio use) radio na pe tye (Don't have own radio)	on April 17, 2024 by
		batri pe tye (No batteries) tama pe iye (Not interested)	guest. Prote
609	Where do you usually listen to Oteka?	paco (HOME)	puruguram man imari winyogikwene? (Where do you usually listen to Oteka)

		BMJ Open	136/bmjopen-202
			oen-202
		I cukul (SCHOOL)	
		kanica (CHURCH)	1-053203
		ite gurup (PLATFORM GROUP OR CLUB)	on 22 N
		I poto (FARM)	Лаrch
		en okene (OTHER)	2022
	^	COO PINY (SPECIFY)	2. Do
610	Which character is most like you? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO KOMAKETCH ORACH MUKENE MAPAT (Other) COO PINY (SPECIFY)	nga ame inwongo ni tye balayin I puruguram man? (Which charcater is most like you?) SHOW CARDS WITH CHARACTER NAMES AND HASE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.
611	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro aloo I tuku goga no? (Which character do you most admire?)SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPOND OF NT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.
		AKETCH	ted by cop
	<u> </u>		<u> </u>

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		KOMAKETCH	21 -0.5	
		ORACH	53	
		MUKENE MAPAT (Other)	Š	
		COO PINY (SPECIFY)	22 X a	
612	Which character do you most dislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	OKIDI	nga ituku man ame dong cubyi pe maro aloo? NYUT KAD AME TYE KEEE NYING OTUKU APAPAT. MI AGAM APENY ME YERO NYING ACEL. Which character do you mosedislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		NYERO	/omjo	
		KOMAKETCH	pen.b	
		ACAYA	mj.co	
		ORACH	m/ on April 17,	
		MUKENE MAPAT (Other)	April	
		COO PINY (SPECIFY)	17, 2	
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		BMJ Open	136/bmjopen-	
			open-202	
613	What were the main topics discussed on Oteka? PROMPT: What other topics? UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OPTIONS MENTIONED.	mara (LOVE)	kodi wii kop ango ame obede leyo I puruguram man? (What were the main topics discussed on Otel (2) UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OPTIONS MENTIONED.	
		wat ikin coo kede mon (RELATIONSHIPS BETWEEN MEN AND WOMEN)	Downlaaded from	
		kwan anyira (GIRLS EDUCATION)	http:	
		wat ikin onywal kede otino gi (RELATIONSHIPS BETWEEN CHILDREN AND PARENTS)	//bmjopen.bmj.com/	
		gum me kwan pi jo atino (EDUCATIONAL OPPORTUNITIES FOR YOUNG PEOPLE)		
		lara lobo (LAND CONFLICTS)	on April	
		en okene (Other)	ril 17	
		COO PINY (SPECIFY)	, 202	
614	Have you talked to others about these topics you heard on Oteka?	ee (YES)	iloko kede ngotoro keken ikom kop ame iwinyo I puruguram man I redio? (Have you talked to others about the se topics/topics you heard on the radio program?)	
		pe (NO)	cted by	616

		BMJ Open	136/bm	
			136/bmjopen-20:	
515	With whom did you talk about these topics? MARK ALL RESPONSE OPTIONS MENTIONED	papa (Father)	nga ame iloko kede ikom kog ame iwinyo I puruguram man? (With whom did you discuss these capics?) MARK ALL RESPONSE OPTIONS MENTIONED	
		kwaro (Father-in-law)	March	
		mama (Mother)	202 <u>2</u>	
	(0)	atat (Mother-in-law)	·	
		wat okene (other relative)	Downloaded	
		alwak (PEER) jo me gurup (GROUP MEMBERS)	ed from	
		en okene (Other)	-	
		COO PINY (SPECIFY)	ttp://Emjop	
616	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kede wur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from those activities?)	
		pe (NO)	7, 20	618
617	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omi miti? (What surprised or interested you?)	

		BMJ Open	136/bmjopen-20	
			oen-202	
618	Do you belong to any	ee (YES)	itye i gurup i kin paco onyo i cukul?	
	community or school group(s)?		(Do you belong to any community group?) යි	
		pe (NO)	22 Mar	624
619	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwan i yate-iyore: (Which community group do kou belong to? READ DOWN LIST)	
		pe (NO)	nioad	
	a)Religious organization	P	a) gurup me dini <i>(Religious ogganization)</i>	
	b) Village savings and loan group	To.	b) Gurup me bol icap (Village savings and loan group)	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab pa butu (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other) f) COO piny (SPECIFY) pri: 17, 20 24 by	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
620	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adii? 일 How often does your group meet?	
		dwete aryo icel (EVERY TWO WEEKS)	Prote	
		dwe acel icel (ONCE A MONTH)	otedted by copyright.	
		icel-icel (OCCASIONALLY)	уу сој	

		BMJ Open	1136/bmj	
			en okene (Other) COO PINY (SPECIFY)	
		en okene (Other)	en okene (Other)	
		COO PINY (SPECIFY)	COO PINY (SPECIFY)	
621	Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiri? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG)	
		pe (NO)	nloaded fro	624
622	Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	ibedo atye itic'oro keken ame otio kede kad me tuku? (Did you participate in an activity using these cards and games?)	
		pe (NO)	mj.com/ on	624
623	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG READ OPTIONS OUT LOUD.	icel (ONCE)	tyen adii ame ibedo iti ame olio kede kad karacel kede tuku? (KWAN NYIG LOK AME OCOO PINY) (How often have you participated in an activity using these cards and games?)	
		icel-icel (OCCASSIONALLY)		
		kare-ikare (OFTEN)	Protected by	
			<u>а</u> 	<u> </u>

		BMJ Open	36/bn	
			136/bmjopen-	
		,	202	
24	Have you ever participated in	ee (YES)	anaka ibedo i tic ame otio ke्र्रोe gini?	
	an activity that used this		(Nyut kad pi dul tic apapat. Wek agam	
	material?		apeny yer en ame en otio keæ, eka ite	
	LAY PICTURE CARDS OF EACH		gweto ni EE pi tic ame oyero nede PEE pi	
	TOOLKIT COMPONENT OUT.		tic ame pe oyero) (Which activities or	
	HAVE RESPONDENT SELECT		games have you used/partici ह् ated in ?	
	EACH ONE THAT THEY HAVE		ASK "HAVE YOU EVER PARTI PATED IN	
	USED. MARK YES FOR ALL		AN ACTIVITY THAT USED THIS	
	COMPONENTS THE		MATERIAL?" (SHOW CARDS POR EACH	
	RESPONDENT SELECTED AND		TOOLKIT COMPONENT))	
	NO FOR THOSE NOT SELECTED.		'nlo	
	*	pe (NO)	ade	
	→		ed. fr	
			loaded from	
	a) Board Game		http:	
	b) Activity Card	70.	//bmjc	
	c) Boys flipbook	Vi	oen.	
	d) Girls flipbook	(0)	amj. co	
	e) Radio Discussion Guide) N	626 if NO
			on /	to all
525	How often did you use each of	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyero ਸ਼ੁੰ, itio ked gi	
	the materials you selected?		pi kare arom kwene? (TII KEDE KAD	
	REFER TO CARDS SELECTED IN		AME OYERO I 625 ITE GWET® PI EN	
	625 & MARK RESPONSES FOR		AME ONWONGO OYERO KEKEN)How	
	ONLY THOSE PREVIOUSLY		often did you use each of the materials	
	SELECTED		you selected? REFER TO CAR S	
			SELECTED IN 625 & MARK RESPONSES	
			FOR ONLY THOSE PREVIOUSLEY SELECTED	
		I kare okene (EVERY OTHER	ect	
		SESSION)	ed t	
		I cel-icel (A FEW SESSIONS)	у c	
			copyright	

		BMJ Open	136/bmjopen-2021-053203
			ъреп-202
		icel (ONCE)	21-05
	a) Board Game		33203
	b) Activity Card		Ŷ
	c) Boys flipbook		22 March
	d) Girls flipbook		
	e) Radio Discussion Guide		20
626	In the last 3 months, have you discussed any of the following	ee (YES)	idwete adek okato ni, i laro wunu lok magi i gurup wu?
	in these groups	000	(In the last 3 months, have you discussed any of the following in these groups:)
		pe (NO)	n http
		pe poyo (DON'T REMEMBER)	://bm
	a) How ideal men and women should behave		a) kit ame coo kede mon myero bed kede? (How ideal men and women should behave)
	b) Physical, emotional or social changes during adolescence		b) Aloka loka ame bedo ikom, I cuny, onyo ikite me kwo ikare me tego? (Physical, emotional or social changes during adolescence)
	c) Romantic feelings or relationships		c) cuny me mit kede winyare me mit ikin icoo kede dako?
	d) Young people using family planning methods to prevent pregnancy		d) onywal atino myero tii kede yore me lagoro nywal me gengo yac (Young people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home		e) coo kede mon moko tam i karacel I ot (Men and women making gecisions together in the home)

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	f) Teasing, bullying or violence		f) yelo anyira, bura onyoo lweny ikin	
	between boys and girls or men		owobe kede anyira, onyo ikin coo kede	
	and women		mon (Teasing, bullying or violence	
	and women		between boys and girls or men and	
			women)	
	g) Role of boys and girls in		g) Tic pa owobe kede anyira paco (Role	
	the home		of boys and girls in the home?	
			N N	
	h) Young people delaying		h) awobe kede anyira galo Ryomere	
	marriage until they are 18		naka ka oromo gini mwaka 18 (Young	
			people delaying marriage unध्रा they are	
			18) <u>a</u>	
	i) Young parents using family		i) onywal atino myero tigkede yore	
	planning methods to delay the		me lagoro nywal me rii kedenywalo	
	birth of their next child)		atin okene (Young parents uङ्गेng family	
			planning methods to delay the birth of	
			their next child)	
	j) Girls staying in school	· (Q)	j) otino anyira mede kede kwan Lutino	
			anyira mede ki kwan (Girls staying in	
			school)	
627	Was there anything that	ee (YES)	onyo ginoro oweki kede wub, onyo miti	
	especially surprised or		iyonge tic wu no?	
	interested you from those		(Was there anything that especially	
	activities?		surprised or interested you from those	
			activities?)	
			7,	
		pe (NO)	2024	629
628	What surprised or interested	COO PINY (SPECIFY)	ngo ame oweki kede wur on∳o oweki	
	you?		kede miti?	
	,		(What surprised or interested you?)	
			P	
			Ot ex	
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			÷	

l 136/bmjopen-202

Did you discuss these topics	ee (YES)	ileyo tam man kede jo okene oyonge	
with other people after playing		tuku tic man? (Did you discပုံခြွဲ these	
these activities?		topics with other people after playing	
		these activities?)	
		. 22	
	pe (NO)	Mar	631
		dh 20	
With whom did you discuss	toto (MOTHER)	ileo tam magi kede nga?	
these topics?		1	
		tonics?)	
MARK ALL RESPONSE OPTIONS		oa ad	
		ē d	
	papo (FATHER)	fron	
		5	
	omege kede amege (SIBLINGS)	tp://k	
	oor (IN-LAWS)	mjop	
	jo me paco okene (OTHER FAMILY	en.	
	MEMBERS)	bmj	
	olwagi (PEER)	Coom	
	jo me gurp (GROUP MEMBERS)	on	
	en okene (Other)	pril 1	
	COO PINY (SPECIFY)	7, 20	
In the last 3 months, have any	ee (YES)	i dwete adek ame okato ni,agela moro	
religious/community leaders		me dini nho me kin paco oloko ikedi	
(identify by name) ever talked		ikom kop magi?	
about these topics?		(In the last 3 months, have any	
,		1 ·	
	pe (NO)	<u> </u>	
	' ' '	<u> </u>	
	with other people after playing these activities? With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED In the last 3 months, have any religious/community leaders (identify by name) ever talked	with other people after playing these activities? pe (NO)	with other people after playing these activities? pe (NO) pe (NO) With whom did you discuss these topics with other people after playing these activities?) With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED papo (FATHER) omege kede amege (SIBLINGS) oor (IN-LAWS) jo me paco okene (OTHER FAMILY MEMBERS) jo me gurp (GROUP MEMBERS) en okene (Other) In the last 3 months, have any religious/community leaders (identify by name) ever talked about these topics? it when the people after playing these topics with other people after playing these topics with other people after playing these topics with other people after playing these activities?) ileo tam magi kede nga? (With whom did you discuss these topics?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?)

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			N N	
		Wie pe poyo (DON'T REMEMBER)	1-05:	
	a) How ideal men and women should behave		a)kit ame coo kede mon my obed kede (How ideal men and women should behave)	
	b) Physical, emotional or social changes during adolescence)		b) Aloka loka ame bedo ikom, icuny, onyo ikit me kwo ikare me tego (Physical, emotional or social changes during adolescence)	
	c) Romantic feelings or relationships	ϕ_{0}	c) cuny me mit onyo wat ikinscoo kede mon (Romantic feelings or relationships)	
	d) The way men and women use power	Certa	d)kit ame cooo kede mon tigo kede teko kede twero (The way men and women use power)	
	e) Teasing, bullying or violence between boys and girls or men and women	erie.	e) tukku, bura onyo gero iki awobe kede anyira onyo ikin coo kede mon. (Teasing, bullying or violence between boys and girls or men and women)	
632	In the last 3 months, have you participated in any activity to improve your community? PROBE: If so, what?	ee (YES)	ikin dwete adek ame okato in gec, ibedo i ticoro keken me yubu kin paco wu? MEDE KEDE PENYO: Ka EE, itimo ngo? (In the last 3 months, have you participated in any activity to improve your community?PROBE:	
		pe (NO)	Pro	634
633	What activity did you participate in to improve your community?	COO PINY (SPECIFY)	tic ango ame ibedo itiyo me subu kin paco wu?	

		BMJ Open	1136/bmj	
			136/bmjopen-202	
			(What activity did you particizate in to	
			improve your community?) 3320	
634	Have you heard of a group in	EE (YES)	Samularian	
	this community called CAG?		10	
	,		ni CAG ikin paco kan? ≦ (Have you heard of a group iॡthis	
			community called CAG?)	
	^_	PE (NO)		637
635	Have you ever participated in	EE (YES)	ibedo iyuba me ticoro ame girup man	
	an activity organized by this		en oyiko?	
	group?		(Have you ever participated in activity	
		Co	organized by this group?)	
		PE (NO)	http	637
636	What activity did you	COMMUNITY SENSITIZATION	tic ango ame ibedo iye? COQAGAM	
	participate in? MARK ALL		DUCU What activity did 👼 u	
	RESPONSE OPTIONS		participate in? MARK ALL RESPONSE	
	MENTIONED.	//	OPTIONS MENTIONED.	
		FIRE PLACE CHAT(WANG-OO)	.com	
		HOME VISIT	on	
		SUPPORT TO A YOUTH GROUP	April :	
		EN OKENE (Other)	April 17, 2024	
		COO PINY (SPECIFY))24 by	
637	In the last 3 months, have you	EE (Yes)	I dwete adek okato angec, ilgko kede	
	talked with a village health		dakatal me kin paco (VHT) oʻʻʻjyo aticoro	
	team member or health		me yot kom? (In the last 3 months,	
	provider?		have you talked with a villagलू health	
			team member or other healt acare	
			provider?) $\frac{5}{2}$	

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		PE (No)	-0 -0	648
638	With whom did you talk?	naci (NURSE)	1-053203 on 22	
		acola (MIDWIFE)	22 March 2022	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	atic me dakatal (MEDICAL OFFICER)	; ·	
		dakatal me kin paco (VHT)	Downloaced from h	
		en okene (OTHER)	ttp://bmjopen	
		kob mene (SPECIFY)	n.bmj.com/	
639	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? POSSIBLE OPTIONS AND CHECK ALL THAT APPLY 17	
		paco atic me yotkom (H/provider's home)	by guest.	
		paco na (My home)	-	
		I cukul (school)	Protected	
		ka gure a bulu (YOUTH CENTER)	cted by	

		BMJ Open	1136/bmjopen-2021-053203 om
			ppen-202
		MARIE STOPES	11-05
		pe ngeo/ pe poyo (DK/Don't	3203
		remember) pe ogamo (No response)	
		en okene (Other)	22 Ma
		·	//arch 2
		COO PINY (specify)	2022.
640	What did you talk about? PROBE: WHAT ELSE UNTIL NO MORE RESPONSES (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wun kede atic me yotkom? What did you talk ts the health provider about?PROBE: WHA ELSE UNTIL NO MORE RESPONSES MARK ALL OPTIONS MENTIONED), WHA
	(a) Sexually transmitted infection	pe (NO)	(a) twoe ame kobo ibutu (Sexually transmitted infection)
	(b) Family planning	(C).	(b) lagoro nywal (kalo kin nywal) (Family planning)
	(c) Immunizations	70	(c) agwera (Immunizations)
	(d) injury		
	(e) illness		(e) Lit kom (illness)
	ALCOHOL		(d) Awano (injury) (e) Lit kom (illness) kongo (ALCOHOL)
	SAFETY		bedo aber (SAFETY)
	EARLY MARRIAGE		nyomere con (EARLY MARRIAGE)
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENŒE
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)
	PUBERTY		dongngo doko ngat otego (PgBERTY)

			N)	
	MUKENE MAPAT (Other)		en okene (Other)	
	COO PINY (SPECIFY)		en okene (Other)	
641	Did you get the information/help you wanted	EE (YES)	ibin inwongngo ngec onyo kany ame onwongngo itye imoto? Did you get the information/help you wanted	
	_	PE (NO)	ch 20	
		Idyere-dyere (PARTIARLY	22. [
642	Did the provider refer you for	EE (YES)	ngat ame iwoto bote obin icwali bot	
	other services?	00	ngat okene ame twero miyi हैony ame onwongngo itye imito? Did ख़िंe provider refer you for other services? हो	
		PE (NO)	Э Э	644
643	What kind of services did the provider refer you for?	COO PINY (SPECIFY)	kodi kony ango ame dano no ocwali me wot nwongngo? What kind of services did the provider refer you for	
	Administer to only those who ta	lked to the VHT in Qn 638	n.bmj.	
	Now, we are going to talk about disagree with these statements.	•	e months, Please tell me if you agree or	
644	During my last visit with the VHT, she or he treated me with respect	yee (AGREE)	atic me yotkom oloko keda sede woro (During my last visit with the HT, she or he treated me with respect). ✓	
		pe yee (DISAGREE)	202	
645	(During my last visit with the VHT, she or he treated me with respect)	YEE (AGREE)	awinyo bala lok ame alokkokede atic me yotkom obedo imung ikia wan okede. (During my last visit wath the VHT, she or he treated me with respect)	
		PE YEE (DISAGREE)	ote	
			cted by copyright.	

l 136/bmjopen-202

646	During my last visit, I felt my conversation with the VHT was private	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok ame alokko kede atic me yotkomobedo imung ikin wan okede. During my last visit, I felt my conversation wath the VHT was private)	
		PE YEE (DISAGREE)	∕lar	
647	I am confident that the VHT will not tell others about my conversation, during my last	YEE (AGREE)	atye kede tek cuny ni dakata me kin paco pe akobi jo okene kop me wan oleo kede, Ilimo na me agiki am confident that the VHT will net tell others about my conversation, during my last)	
		PEE YEE (DISAGREE)	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
648	Do you use a mobile phone?	EE (YES)	itio kede cim?	
		PEE (NO)	//bmj	END
649	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANGO? What type of phone do you use?)	
		(FEATURE PHONE)	1 con	
		(SMART PHONE)	on .	
		MUKENE MAPAT (Other)	rimo ohedo meg'anga?	
		COO PINY (SPECIFY)	17, 20	
650	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga?	
		toto (MOTHER)	Jest.	
		papo (FATHER)	Prote	
		omego na kede amege na (SIBLINGS)	rotected	
		oor (IN-LAWS)	Ъ	
	•	•	<u>о</u> Ор	

o you have your own SIM ard?	jo okene me paco (OTHER FAMILY MEMBERS) olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES) PE (NO)	itye kede kad me cim? (Do you have your own SIM card?)
	MEMBERS) olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	kob mene (SPECIFY) EE (YES)	2022.
	EE (YES)	2022.
4	PE (NO)	lpaded fi
4		Q f
		3
that do you use your mobile none for? PROBE: What else ntil respondent indicates no rther uses. MARK ALL ESPONSES MENTIONED.	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your mobile phone for?)
	me gamo ka jo ogoo (RECEIVE PHONE CALLS)	bmj.co
	Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	om/ on Apri
	Yenyo ngec iyii intanet (ACCESS THE INTERNET)	_
	Mako cal me video (TAKE PHOTO OR VIDEOS)	17, 2024 by
	Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	guest. Protected by copyright
	Me bedo I facebuk (ACCESS FACEBOOK)	tected
	Me tuku (PLAY GAMES)	by со
		SPONSES MENTIONED. me gamo ka jo ogoo (RECEIVE PHONE CALLS) Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY) Yenyo ngec iyii intanet (ACCESS THE INTERNET) Mako cal me video (TAKE PHOTO OR VIDEOS) Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS) Me bedo I facebuk (ACCESS FACEBOOK)

		BMJ Open	136/bn	
			njopen-20	
		me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	136/bmjopen-2021-053203 on	
		Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)		
	1 0/	Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	22 March 2022. Downloaded from	
		Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)	ded from h	
		Me kwanno balo me yimail (ACCESS EMAIL)	http://br	
		Tic kede twita (USE TWITTER)	mjopen	
		Pe Ngeo (DON'T KNOW) Pe I kan (NONE OF THESE)	.bmj.c	
653	How often do you send SMSes?	Tyen apol nino acel (SEVERAL TIMES A DAY)	Imaro cwalo messej I cim?(How often do you send SMSes?)	
		nine anonok I cabit acel (A FEW TIMES A WEEK)	pril 17,	
		nine anonok I dwee acel (A FEW TIMES A MONTH)	2024 b	
		Pe romo tyen acel I dwee acel (LESS THAN ONCE A MONTH)	y guest.	
		pe atwal (NEVER)	. Pro	
		Pe ngeo(DON'T KNOW)	Protecte	
654	How often do you receive SMSes?	tyen apol nino acel (SEVERAL TIMES A DAY)	imaro nwongngo messej I cimi tyen adii? (How often do you receive SMSes?)	
	0.1.0007	, ,	ругight.	_

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		nine anonok I cabit acel (A FEW TIMES A WEEK)	21-053203
		nine anonok I dwee acel (A FEW TIMES A MONTH)	On On
		Pe romo tyen acel I dwee acel(LESS THAN ONCE A MONTH)	22 March
		pe atwal(NEVER)	ch 2022
		Pe ngeo (DON'T KNOW)	
655	Do you currently use more than one mobile phone?	EE (YES)	itiyo kede cim akato acel? (De you currently use more than one mobile phone?)
		PE (NO)	from
656	Do you currently use more than one SIM card?	EE (YES)	itye itic kede line me cim akato acel? (Do you currently use more than one SIM card?)
		PE (NO)	pen.t
657	If you could receive SMSes with health information and tips, would you read them?	yee ducu (DEFINITELY YES)	ka onwongngo itwero nwongngo kwena ame kato icim, itwero kwanng?
		yee idyere-dyere (PROBABLY YES)	pril 1
		onyo pe(PROBABLY NO)	17, 2024
		pe yee (DEFINITELY NO)	24 by
		Pe ngeo (DON'T KNOW)	by gues

		202				
	yi tutwal me miyo kare me lok ked wa. ony	o itye kede apeny ame imito penya				
	kede?. That is the end of our interview.					
	Thank you very much for your time and your willingness to share this information with us. Please, let it					
you would like to ask me any qui	you would like to ask me any questions.					
		March				
		2022.				
		o Wn				
GENDER ROLES EQUALITY AND TRANSFORMA	ATIONS (GREAT)	oac				
ENDLINE HOUSEHOLD SURVEY	$\mathcal{O}_{\mathcal{O}}$	ed f				
OLDER ADOLESCENT FORM (15-19, Not Marr	ied or Parents)-LANGI	ro m				
		nttt				
	' <i>f</i>	3://b				
TODAY'S DATE//	101	Downloaded from http://bmjopen.bmj.co				
Marath Br		en.l				
Month Day Year	(0)	om.				
RESPONDENT CODE/	The state of the s	RESPONDENT CODE \$\frac{3}{2}\]				
		INTERVIEWER CODE 1				
INTERVIEWER CODE						
District	AMURU	District 2				
	LIRA	24 by				
SUBCOUNTY	Lamogi	٧ 9				
	Pabbo	guest				
	Amuru Town council	Protected				
	Bar					
	Amatch	by 8				

		Ogur	1-0\$3203 on 22 March	
	1. RESPONDENT'S BACKGROUND		320	
	i amitto penyi apeny mogo anonok a		03	
(First I w	rould like to begin by asking you a few	v questions about yourself)	5 N	
			N M	
			arc	
NO.	OUESTIONS AND SUTERS	CODING CATEGORIES	TRANSLATION 8	SKIP
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	TRANSLATION NO.	SKIP
	7 0		D	
101.	Sex of respondent	ICOO (MALE)	Agam apeny obedo icoos nyo dako (Sex	
		<u></u>	of respondent) ত্র	
	,	DAKO (FEMALE)	led.	
102.	How old were you on your last	MWAKA MERE (Age in complete years)	Onwongo itye mwaka aव्हैंi ikare ame	
	birthday? [If the participant does	10h	ikwero kede nino me ny walli ni me	
	not know his/her age: "Can you	- / L	agikki? PENY KA AGAM APENY PE	
	tell me in what year you were		NGEO MWAKA MERE: "Fwero tita I	
	born?"]	6 1	dwe kede mwaka meneame onywali	
	[AGE TO BE CALCULATED AFTER		iye?" (How old were you <mark>≜</mark> on your last	
	THE INTERVIEW]	10 ,	birthday?) [If the particing ant does not	
		tevien	know his/her age: "Can gou tell me in	
			what year you were born?"]	
			[AGE TO BE CALCULATED AFTER THE	
			INTERVIEW] 설	
		DWETE (Month)	17,	
		MWAKA ONYWALE IYE (Year born)	2024	
		(PE NGEYO MWAKA) (Don't know age)	24 b	
103.	What is your religion?	ATOLI (Catholic)	Itye idini mene? (Whatais your	
		·	religion?)	
			ם יי	
		OGERI (Protestant)	ote	
		ACILAM (Muslim)	rotected	
		OLARE (Pentecostal)	by	
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			jnt.	

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			136/bmjopen-2021-0 5 3	
		OKENE (Other)	27-0	
		TITI (Specify)) 5 32	
104	Which tribe do you primarily identify with?	ACHOLI	Rok ni obedo mene? (Which tribe do you primarily identify with?)	
		LANGO	7 20 22 22	
		ATESO	2 <u>2</u> 2. D	
		KUMAM) wn	
		MA'DI	oa	
		OKENE MAPAT (OTHER)	oa de d	
		TITI (SPECIFY)	from	
105.	What is the highest level of school you attended?	PE MORO (None)	Ikwano igik ikilaci adi? What is the highest level of school you attended?)	
		PURAIMARI (Primary)	n jo	107
		CINIA 4 (O level)		107
		CINIA 6 (A level)	<u>j</u> .	107
		UNIBACITI (University)	on a	107
		KA KWAN ADWONG (Tertiary)	on	107
106.	What is your primary reason for not having attended school (MULTIPLE RESPONSES POSSIBLE.)	MYERO TII PI OCARA (Need to work for a wage)	Tyen kop ango ame ogeogi kwan? (What is your primary reason for not having attended school) (MULTIPLE RESPONSES POSSIBLE.)	110
		MYERO TILI PACO (Need to work at	by	110
		home)	9c 9c	110
		CENTE ME KWAN PE (No funds for school fees)	St. P	110
		ONYWAL PE MITO (Parents don't want)	rotte	110
		LWENY OBALO KWAN OKO (Disrupted by war)	guest. Protected by cop	110
	<u> </u>		· co	1

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			136/bmjopen-2021-0532	
			21 -053	110
107.	Are you currently in school?	EE (Yes)	Aman itye icukuloro? (Are you	
		PE (No)	Currently in school:) N S	110
108.	Do you plan to continue studying?	EE (Yes)	Itye kede pulan me medde kede kwanni? (Do you plan to continue studying?)	110
		PE (No)	Dov	
109.	What is your primary reason for not continuing your studies?)MULTIPLE RESPONSES POSSIBLE.	YAC (Pregnancy)	Tyen kop ango ame gengi mede kede kwan? (What is your primary reason for not continuing your studies?)	
		MYERO TII PI OCARA (Need to work for a wage)	http://	
		MYERO TII I PACO (Need to work at home)	bmjope	
		CENTE ME KWAN PE (No funds for school fees)	n.bmja	
		ONYWAL PE MITO (Parents don't want)	00 m	
		OTYEKO KWAN (Has completed education)	on April 17,	
		LWENY OBALO KWAN OKO (Disrupted by war)		
		OKENE MAPAT (OTHER)	2024	
		TITI (SPECIFY)	l by	
110.	Do you have a job or do you carry out an activity for which you receive an income or earn a profit?	EE (Yes)	Itye kede tic ma itimo of yo ginoro ame himo akelo li mite cao no on on on on on on on one on one of the carry out an activity for on one or each a profit?)	

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		PE (No)	11-0532	112
111.	What is your occupation, that is what kind of work do you mainly do?	TITI (Specify)	Itimo ngo, man aye kit kodi tic mene ame imaro tiyo kare ducu? (What is your occupation, that is what kind of work do you mainly do?	
	_	AGAM PE (No response)	S S	
112.	Are you the head of the household?	EE (Yes)	Yin aye iloo wi paco ame ibedo iye no? (Are you the head of the household?)	201
		PE (No)	wnl	
113.	Is the head of household under the age of 20?	EE (Yes)	Ceni ngat aloo wi paco nty tye ame mwaka mere pe tunu 2 nty (Is the head of household under the age of 20?)	
		PE (No)	tp://	
114.	What is your relationship to the household head?	APAE (Spouse)	Wati kede ngat aloo wi paco man tye ningo? (What is your relationship to the household head?)	
		ATIN (Child)	mj.c	
		AKWAR (Grandchild)	WOO.	
		WAT OKENE (Other relative)	o o	
		TITI (Specify)	Apri	
		NGAT OKENE APE WAT (Other non-relative) .99	117, 202	

SECTION 2: NORMS AND ATTITUDES AROUND RESPONDENT'S DAILY INTERACTIONS IN THE COMMUNITY

Amito dong aman penyi kede apeny mogo anonok amako tici me nino nino kede bedo ni kede jo ikin paco ni. Tutwalere atye ka amitto ngeyo kit ame jami magi kwako otino ni ame yin inywalo

(I would now like to ask you a few questions about your day-to-day activities and interactions in your area. I am really only interested in how these relate to your biological siblings.) $^{\aleph}$

			, 	ı
201.	GIRLS: Do you have any brothers	EE (Yes)	ANYIRA: Itye wunu kedeomege wu	
	living in your household		ame bedo ked wu paco জ্র্রman? (GIRLS:	
	currently?	CO	Do you have any brothes living in your	
			household currently?)	
	BOYS: Do you have any sisters	- L	p://	
	living in your household		AWOBE: Itye wunu ked amege wu	
	currently?		ame bedo ked wu paco man? (BOYS:	
			Do you have any sisters iving in your	
		10 ,	household currently?) 💆	
		PE (No)	оп	207 if
			V 0	Girl
) > >	208 if
			φri	Boy
202.	During a typical week, who	AGAM APENY (You)	l cabit acel acel, nga amहे maro timmo	
	usually does the following tasks	, ,	jami magi (yin, omini,amini nyo wun	
	(you, your brother, sister or both		ducu)? During a typical Reek, who	
	of you?		usually does the following tasks (you,	
	MARK ALL RESPONSE OPTIONS		your brother, sister or bath of you)?	
	MENTIONED		your brother, sister or byth of your.	
	WILLIAMONED	OMINI (PROTHER)	P To	
		OMINI (BROTHER)	ote .	
		AMINI (SISTER)	χed	
		NGAT OKENE (OTHER)	ьу	
		1	·	

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			omjop
			oen-2
	a) Carrying water	1	a) Omo pii (Carrying water)
	b) Washing dishes		b) Lwoko jami (Washing dishes)
			•
	c) Preparing food		c) Yikko gin acama (<i>Preffaring food</i>)
	d) Digging in garden		d) Pur (Digging in garden)
	e) Sweeping the compound		e) Weyo dyekal <i>(Sweep厱g the compound)</i>
	f) Carrying firewood		f) Ommo yen (Carrying) (Frewood)
	g) going to school		g) Woti ikwan (going to School)
		FOR BOYS	O _W
		6	nloa
203.	During the last week, did you	EE (Yes)	Ikine me cabit okato, ib la ikonyo
	help your sister(s) with her (or		amini/amege ni kede tiॡ्वेंre/tic gi me
	their) chores?	Ch	paco? (During the last week, did you
		- / b	help your sister(s) with fer (or their)
			chores?)
		PE (No)	lopen.
204.	Have you ever talked to your	EE (Yes)	Kong ibin iloko kede on walli, nyo
	parents, or another adult, about		ngatoro okene adit, am <mark>a</mark> ko ber
	the importance of your sister(s)		amedde kede kwan amini/amege ni?
	continuing her/their studies?		(Have you ever talked to your parents,
			or another adult, about he importance
			of your sister(s) continuing her/their
			studies?) 20
		PE (No)	24 by
		FOR GIRLS ONLY	ű.
205.	During the last week, did your	EE (Yes)	Ikine me cabit okato, ib kine ikonyo
	brother(s) help you with your		omini/ omege ni kede tk gi me paco?
	chores?		(During the last week, dd your
			brother(s) help you with ∰your chores?)
		PE (No)	by co

			N
206.	Has your brother ever talked to	EE (Yes)	Kong omini obin oloko kede onywali,
	your parents, or another adult,		nyo ngatoro okene adit kom ber
	about the importance of you		amedde ni kede kwan? $\Hag{8} ext{Has your}$
	continuing your studies?		brother ever talked to y <mark>8</mark> ur parents, or
			another adult, about the importance of
			you continuing your studdes?)
		PE (No)	C
207.	Have you ever talked to your	EE (Yes)	Kong iloko kede onywalanyo ngatoro
	parents or another adult about		okene adit amako tami me medde
	your desire to continue your		kede kwan? (Have you gver talked to
	studies?		your parents or another adult about
			your desire to continue Bour studies?)
		PE (No)	d fre
208.	In last 3 months, have you	EE (Yes)	Ikine me dwete 3 okato kong iloko
	spoken with a trusted adult		kede ngatoro adit ame 률 ne amako wi
	about any of the following topics:	1	lok magi: (In last 3 months, have you
		· (O)	spoken with a trusted adult about any
			of the following topics: 🙎
		PE (No)	m
		PE POYO (DOES NOT REMEMBER)	8
	a) The importance of treating		a) Ber a tero coo kede non ducu arom
	men and women equally		aroma (The importance of treating
			men and women equall $\underline{\underline{\aleph}}$.
	b) How ideal men and women		b) Kit ame coo kede moជាikokome
	should behave in a romantic		myero bed kede iwat aber (How ideal
	relationship		men and women should behave in a
			romantic relationship) 🖔
	c) How to avoid getting pregnant		c) Kite me gengo Yac (How to avoid
			getting pregnant)
	1))) () () ()		d) Gin ame myero itim teki ngatoro
	d) What to do if someone		, ,
	touches you in a way that makes you feel uncomfortable.		ogugudu yin iyore ape yamo cunyi (What to do if someone cuches you in

		BMJ Open	1136/bmjopen-202
			mjope
			en-20:
			a way that makes you feel uncomfortable.)
			uncomfortable.) 53
	N 3: ATTITUDES TOWARDS GENDER A		ede gero i eria man
(I would	d now like to ask you a few questions	ko kit ame coo kede mon myero bed kede, k about how men and women should behave	and violence in this area
			2022.
			Do
301	I am going to read you	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	statements about the roles of		kede mon ame nwongomakere kede
	men and women as they relate to		kop me yi ot, ribere ikinacoo kede
	household responsibilities. Please		dako,.Titta ka IYEE kedegnyo PE IYEE
	tell me if you AGREE or DISAGREE		kede nyig lok man. (I amgoing to read
	with each statement.		you statements about the roles of men
		10 ,	and women as they relate to
			household responsibilities Please tell
			me if you AGREE or DISAGREE with
		DE OVEE (DICA CREE)	each statement.)
		PE OYEE (DISAGREE)	/mo
	a) woman's role is taking care of		a) Tic a dako obedo mezwoko paco
	her home and family.		kede jo ture (woman's gole is taking
			care of her home and family.)
			, 20
			24
	b) A man should have the final		ठ b) Icoo myero oter lok∉e acalo gin
	word about decisions in the		apire tek amako moko tami yi ot <i>(A</i>
	home.		man should have the final word about
	nome.		decisions in the home.)
			G

			N
	c) Giving a bath and feeding kids		c) Lwoko kede miyo otiĝo cem ducu
	are the mother's responsibility.		obedo tic a dako <i>(Givin<mark>g</mark> a bath and</i>
			feeding kids are the mother's
			responsibility.) ♀
	d) Giving a bath and feeding kids		d) Cwero cwinya tutwal kace aneno
	are the mother's responsibility.		icoo timere dako. (Givinag a bath and
			feeding kids are the mother's
			responsibility.)
	e) A woman should obey her		e) Dako myero wor cware i jami ducu.
	husband in all things.		(A woman should obey ber husband in
		*	all things.)
	f) It is more important for boys		f) Pire tek tutwal me otano awobe
	to get an education than girls.		bedo ame okwano atek≟oo otino
			anyira oko (It is more in portant for
			boys to get an education than girls.)
	g) If there is a limited money to		g) Ka cente moro tye anjonok me cullu
	pay for school fees, it should be	10.	kwan, myero ocak kedeatin wobi (If
	spent on sons first.		there is a limited money to pay for
			school fees, it should be spent on sons
		· (O)	first.)
	h) Boys should have more free		h) Otino awobe myero Bed kede cawa
	time than girls.		adwong me lalata alo oœyira oko
			(Boys should have more≱ree time than
			girls.)
302.	Abino kwanni nyig lok amako tic a	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	coo kede mon ame nwongo		kede mon ame nwongo makere kede
	makere kede kop me yi ot, ribere		kop me yi ot, yotkom a🏚 ako nywal, .
	ikin icoo kede dako, yotkom		Titta ka IYEE kede nyo R IYEE kede
	amako nywal, kede gero. Titta ka		nyig lok man. (I am goin to read you
	IYEE kede nyo PE IYEE kede nyig		statements about the rolles of men and
	lok man. (I am going to read you		women as they relate tਫ਼ੀ sex and
	statements about the roles of		reproductive healthPleန tell me if
	men and women as they relate to		you AGREE or DISAGRE Ewith each
	sex and reproductive health		statement.)
	1	<u> </u>	<u> ур</u> Уг
			yright.

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Please tell me if you AGREE or		27 - (
DISAGREE with each statement.)		53
,		203
		on
		22
		Ma
		rch
		202
		2. [
		Jow
	PE OYEE (DISAGREE)	nloa
a) woman has a right to refuse		a) Dako tye kede twero ne kwero
sex.		rebere kede icoo oko <i>(স্ট্রoman has a</i>
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	right to refuse sex.) $\frac{3}{2}$
b) Men should be offended if		b) Coo myero bed kedewang yic
wives ask them to use a condom.		tutwal ka mon gi openyg gi me tic kede
		kondom (Men should be offended if
		wives ask them to use a condom.)
c) Men are always ready to have	10,	c) Coo bedo ame oyike e icawa ducu
sex.		me ribere kede mon (Men are always
		ready to have sex.)
d) It is safe for adolescent girls		d) Ayira atye apong twero tic kede yen
to use contraceptives.		lago nywal abongo pekamoro keken (
		It is safe for adolescent girls to use
		contraceptives.)
e) It is solely a woman's		e) Obedo tutwalere tic 🏖 dako me
responsibility to avoid getting		nenno ni pe eyac (It is \mathcal{L})
pregnant.		woman's responsibility to avoid getting
f) Girls who carry condoms are		f) Anyira ame woto kede kondom
promiscuous.		nwongo wang gi tar (obado olaya)
promisedous.		(Girls who carry condon
		1 ·
I	1	promiscuous.) by copyright.
		угі.

			N
	g) Only when a woman gives		g) Dako bedo dako keke्र्ये ka ame en
	birth to a child is she a real		onywalo atin (Only whହୁଁn a woman
	woman		gives birth to a child is s $\overset{oldsymbol{\circ}}{\mathbb{B}}$ e a real
			woman) 9
	h) Only when a man has a child		h) Oworo dano icoo i yi atekere mere
	will he be a respected member of		keken ka en tye kede atim (Only when
	his clan.		a man has a child will he be a
			respected member of hisclan.)
	i) A man and a woman should		i) Icoo kede dako myero mok tam gi
	decide together what type of		karacel ikom yat lago nyaval ame gin
	contraceptive to use.	2	myero ti kede <i>(A man aed a woman</i>
			should decide together what type of
			contraceptive to use.)
	j) An ideal married couple will		j) Jo onyomere ikokome
	produce a child in their first year	CA	atin gi me acel i kine me∰mwaka me
	of marriage.	h	acel ame gin onyomere kede (An ideal
			married couple will produce a child in
		C /	their first year of marriage.)
303.	I am going to read you	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	statements about the roles of		kede mon ame nwongo nakere kede
	men and women as they relate to		kop me yi ot kede gero. Titta ka IYEE
	violence. Please tell me if you		kede nyo PE IYEE kede nyig lok man. (I
	AGREE or DISAGREE with each		am going to read you statements
	statement.		about the roles of men and women as
			they relate to violence. Please tell me
			if you AGREE or DISAGREE with each
			statement.)
		PE OYEE (DISAGREE)	dy g
	a) If someone insults man, he	,	a) Ka ngatoro onywaro 🏖 oo, en myero
	should defend his reputation		dok iye kede gupu nyo romo me
	with force if he has to		gwoko icoo mere ka am
	with force if the flas to		amano (If someone insults man, he
			should defend his reputætion with force
			if he has to
	1	1	pyright

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b) There are times when a		b) Tye kare mogo ame navongo myero
woman deserves to be beaten.		opwod dako (There are smes when a
		woman deserves to be aten.)
c) A woman should tolerate		c) Dako myero kany akanya kadi gero
violence to keep her family		tye me gwoko ture (Aswoman
together		should tolerate violenceब्रुo keep her
		family together). $\stackrel{\hookrightarrow}{\sim}$
		022
d) A man using violence against		d) Icoo ame tye atic kede gero ikom
his wife is a private matter that	•	cege obedo kop me yi o ame pe
shouldn't be discussed outside	6	myero kel oko <i>(A man குing violence</i>
the couple.	O_{\triangle}	against his wife is a private matter that
		shouldn't be discussed outside the
e) Physically beating your		e) Pwoddo otino ni obe
children is a good way to make	h	me miyo otino ni bedo awor
them behave.		(Physically beating yourschildren is a
0.15.11.25.11.25		good way to make them behave.)
f) I believe it is important to use		f) Ayeng kede ni pire tek tutwal me tic
non-violent ways of disciplining	· (C)	kede yore okene ame pe obedo me
youth,		gero me pwonyo bulu, 🛱 ka tic kede
		gero. (I believe it is imp g rtant to use
		non-violent ways of disciplining youth,
		글 :
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		gue
		St. F
		orot
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		уруг
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LOK IKOM GLORIA: Aman abino kobi lokoro ikom nyako moro olwongo ni Gloria eka ate penyi kede apenyoro anonok. Gloria onwongo pwod ocako bedo kede John. John onwongo obedo awobi aber tutwal, ento inino moro acel, ikare ame Gloria owoto let me rwatte kede John, en ogoe. Gloria pe ngeo gin ame myero en ekobi John, pol kare kite ber ento en pwod tye kede loworo ni ercamedde ameda kede goye. Ikare ame en okobi anti mere, anti mere okobe ni mano kit ame bedo dako tye kede, dok ni opore me miyo coo bedo kede yom yic [GLORIA'S STORY: Now I'm going to tell you about a girl your age named Gloria and then ask you a few questions cloria and John's families expect them to get married. Gloria just started spending time with John. John was very nice, but one day when John saw Gloria talking and laughing with another boy while fetching water, John hit her. Gloria doesn't know what to say to John was very nice but she is afraid he will continue to hit her. When she told her aunt, the aunt told her that this is just part of bein woman, and that it is best to keep the men happy.]

304	What advice would you give	TITI NGATORO OKENE ADIT GENE LOK	Tam ango ame onwong itwero miyo
	Gloria?	MAN, MEDE AMEDA KEDE KOBI	Gloria? (What advice would you give
		NGATORO ADIT GENE NAKA NGATORO TE	Gloria?)
		KONYO ((Tell another trusted adult about	<u>ä</u> .
		the situation; keep telling adults until	. CO
		someone helps)	n/ c
		GEN LOK PA WAYO NI, GIN MA KIT MAGI	, , , , , , , , , , , , , , , , , , ,
		IKO MANYIRA ((Trust your aunt, these	p _{ri}
		things happen to girls)	17.
			20
		PE NGEO (Don't know	24
305	Should Gloria still plan on	EE (YES)	Ceni Gloria myero wot myim kede
	marrying John? GWET		pulanere me nyomere kande John?
	AGAM OTITO		(Should Gloria still plan ซึ่ก marrying
	PROBE: Why or why not?		John?) ਰੁੱ
	MARK RESPONSE IN SPECIFY		PENY: Pingo nyo pingo 🎥 myero mede
			kede? (PROBE: Why or Hy not?)
		PE (NO)	y o

		BMJ Open	1136/
			36/bmjopen-202
			202
		TITI	1-05
		(SPECIFY)	532
306	What would you say to John?	PWODO MON PI TYEN KOPORO KEKEN	Gin ango ame onwongoatwero kobi
		CIK PE YEE, TEM ME COBBO PEKI WU	John? (What would you say to John?)
		ABONGO TIC KEDE GERO (Beating	22
		women for any reason is unacceptable,	Vlarch
		try to resolve conflicts non-violently)	<u> </u>
		OPORE ME GOYO GLORIA KACE OGALE	2022.
		(It is okay to beat Gloria when she is late)	
	02	PE NGEO (Don't know)	o W
			nlog
			ade
307	What would you tell Gloria's	GERO IKOM MON PE MITTE, PIRE TEK ME	Gin ango ame onwongo twero kobi
	aunt?	KONYO ONYIRA ATINO AME MITO KONY	anti a Gloria? <i>(What wૡ૾ૢੋuld you tell</i>
		KA OTYE AKETTO GERO IKOM GI	Gloria's aunt?)
		(Violence against women is never	://b
		acceptable; it is important to help young	<u>n</u> jo
		girls who seek help in a violent situation)	per
		MAN LOK MA KAKARE, MAN GIN , MA	ı.bm
		MYERO MON OYEE	nj.cc
		(You are right, this is something women) According to
		must accept)	9
		PE NGEO (Don't know)	Apr
		FOR GIRLS ONLY	1
			, 20
308	Do you feel able to tell a boy to	EE (YES)	Itamo ni itwero kobi awabi moro
300	stop doing something that makes		keken me wekko timo ginoro ame pe
	you feel uncomfortable?		yomo yi? (Do you feel a le to tell a boy
	you leef unconflortable:		to stop doing something that makes
			you feel uncomfortable श्ले
		PE (NO)	St.
		, - (,,,,,,	<u>e</u> <u>b</u>

		136/bmjopen-
		n-202
ng the last 3 months, has a	EE (YES)	Ikine me dwete 3 okato awobi moro
done something to scare or		otimo ginoro me miyi lvooro nyo buri
idate you on purpose?		kun onwongo yie tye anatto (During the last 3 months, has a≌boy done
		something to scare or intimidate you
		on purpose?)
<u> </u>	PE (NO)	S S S S S S S S S S S S S S S S S S S
ng the last 3 months, has a	EE (YES)	Ikine me dwete 3 okatokawobi moro
ouched you on your	, ,	ogudu kwon dudi nyo caki abongo
ocks or breasts without your		twero ni (During the last 3 months,
ission?		has a boy touched you o∰ your
		buttocks or breasts with but your
		permission?)
	PE (NO)	m T
	FOR BOYS ONLY	ittp://bn
ng the last 3 months, have	EE (YES)	Ikine me dwete 3 okatogitimo ginoro
_		me miyo nyako moro lworo nyo bure
idate a girl on purpose?	(0)	ame onwongo yi amitto During the
- , ,		last 3 months, have youglone
		something to scare or ingimidate a girl
		on purpose?)
	PE (NO)	oril 1
ng the last 3 months, have	EE (YES)	Ikine me dwete 3 okato imako kwon
_		dud nyo cak a nyako maro abongo
		twero mere (During the last 3 months,
ission?		have you touched a girkon her
		buttocks or breasts without her permission?)
	DE (NO)	
	1 L (140)	rotected by copyright
		ම ර
		уу
		оруг
		righ:
	ng the last 3 months, has a couched you on your ocks or breasts without your nission? Ing the last 3 months, have done something to scare or idate a girl on purpose?	PE (NO) The last 3 months, has a outched you on your ocks or breasts without your dission? PE (NO) FOR BOYS ONLY The last 3 months, have done something to scare or didate a girl on purpose? PE (NO) FOR BOYS ONLY EE (YES) PE (NO) EE (YES)

		BMJ Open	136/bmjopen-202	
			omjop	
			oen-	
		/IORS TOWARDS SEXUAL AND REPRODUC	<u> </u>	
		k amako kop me ribere ni kede icoo nyo d s about your sexual and reproductive heal	10	
(i would	a now like to ask you a rew question.	s about your sexual and reproductive near	on	
			22	
			Ma	1
401.	Are you currently in a romantic	EE (YES)	Aman itye kede ngator@ame imitte	
	relationship?		kede? (Are you current in a romantic	
		DE (NO)	relationship?) !N	
400	<u> </u>	PE (NO)	9	<u> </u>
402.	Is there an adult in your life that	EE (YES)	Tye ngatoro adit I kwo nक्क ame igeno	
	you would feel comfortable	0	dok itwero lok kede amako kit peko	
	talking to about a concern that you have?		moro keken ame itye keब्रेंe? PENY ODOC: Ka ee, nga र्डे (Is there an	
	PROBE: If yes, who?	Ch	adult in your life that you would feel	
	MARK RESPONSE IN SPECIFY	- / h	comfortable talking to about a concern	
			that you have?)	
		PE (NO)	, , op	
		COO PINY (SPECIFY)	n.brr	
403	Have you ever had sexual	KAKARE (Yes)	Dong ikwo ni iribe ki lacgo onyo dako?	
	intercourse?		(Have you ever had sexual	
		•	intercourse?)	
		KUU (No)	Apri	417
404	In the last 3 months, have you	KAKARE (Yes)	Inge idwe adek mukato ∄ngec dong	
	had sex?		iribe ki laco/dako ibuto & (In the last 3	
			months, have you had sൿ?)	
		KUU (No)	y gue	
		PE OGAMO (No response)	lest.	
405	In the last 3 months, have you	KAKARE (Yes)	Ikin dwe 3 mukato angeg, iribe ki lacoo	
	been forced to have sex even	70 110 1112 (1.00)	onyo dako kun onongo awinyi pe mito?	
	though you did not want to?		(In the last 3 months, howe you been	
			oy o	
			copyright.	<u> </u>
			righ	

		BMJ Open	136/br	
			136/bmjopen-202	
			forced to have sex even though you did not want to?)	
		KUU (No)	2 March	
		PE OGAMO (No response)	2022.	
406	Did you use a condom during the last 3 months?	KAKARE (Yes)	Itiyo ki roc bol ikin dwe mukato angec? (Did you use a condom during the last 3 months?)	
		KUU (No)	ad from	408
407	Why did you use a condom?	GENGO GAMO IC/YAC (Pregnancy prevention)	Pingo itiyo ki roc bol? (Why did you use a condom?)	
		GENGO KWIDI TWO JONYO (HIV prevention)	mjope	
		GIN ARYO WENG (Both) PE NGEYO (Don't know)	.bmj.cc	
		MUKENE MAPAT (Other)	, m	
		COO PINY (Specify)	n A	
408	During the last six months have you sought a family planning method?	ee (YES)	I dwete abicel okato angec, iyenyo yore moro me lagoro nywal? During the last six months have you sought a family planning method	
		pe (NO)	by gu	411
409	Where did you go to seek the family planning method?	bot dakatal me kin paco (VHT)	iwoto iyenyo yore me lægoro I kwene? Where did you go to seek the family	
		I kilinik a ngatoro (Private clinic / Drug shop)	planning method? ted by cop	

		BMJ Open	36/br	
			36/bmjopen-2021-053203	
		I dakatal (Health Center)	21-05	
		Marie Stopes Uganda	3203	
		en okene (Other)	on 22	
		kob mene (Specify)	2 March	
			9 h 20	
410	Did you receive the family planning method you wanted	ee (YES)	ibin inwongngo yore me lagoro nywal ame onwongngo itye ingito? Did you	
	from the provider?	5	receive the family planting method you wanted from the provider?	
		pe (NO)	d fr	
411	Are you currently doing something or using any method to delay or avoid getting pregnant?	KAKARE (Yes)	Kombedi itye katimo giramo onyo tic ki yo mo me diko/galo kare onyo me gengo yac? (Are you currently doing something or using any method to	413
	pregnant:		delay or avoid getting pregnant?)	
		KUU (No)	i.bm	
412	Could you tell me why you are not using a method?) (Any other reasons? MULTIPLE RESPONSES POSSIBLE.	MITO GAMO IC/YAC (No opportunity/ partner)	Iromo tita pingo pe itye katic ki yo mo keken? (Could you tellane why you are not using a method?) (Any other reason?) PENY ODOC: Tye tyen lok mo mukene mapat?	419
		DAKO/CWARE OKWERO (Desire pregnancy)	024 by	419
		PE BER/RAC/PE MITE (Partner opposed)	guest.	419
		TYE KI GUM MAPOL ME NONGO IC/YAC (It is wrong/immoral/ prohibited)		419
		PETYE KI NGEC (No knowledge)	tecti	419
		PE KIKERO ME NONGO YO MO MUKENE MAPAT (No access)	Protected by copyright.	419

		BMJ Open	36/br	
			136/bmjopen-2021-053203 on	
		LWORO ME YOTKOM ONYO LWORO	22	419
		ADWUGI KORE	0532	
		(Health concerns/fear of side effects)	203	
		PE OGAMO (No response)		419
		MUKENE MAPAT (Other)	22 2	
		COO PINY) (Specify)	Marc	
413	Which method are you using?	TUCE KI YAT PA MON (FEMALE	Itye katic ki yo mene megengo nywal?	
	(MULTIPLE RESPONSES POSSIBLE)	STERILIZATION)	(Which method are you ising?)	
		TUCE KI YAT PA COO (MALE	0	
		STERILIZATION)	ownloa	
	<u> </u>	AND VOLVATION (DULL))	
	4	MUNYO YAT PIL (PILL)	ded from	
			om	
		IUD	http	
			nttp://bmjopen.b	
		TUCE KI YAT LIBIRA (INJECTABLES)	njop	
			oen.	
		YAT ARWAK IKOM (IMPLANTS)	<u> </u>	
		THE THE PARTY (IN EL INVIS)	nj.com/	
			5 0	
		ROC BOL (CONDOM)	n Ap	
			April 17,	
		PE OGAMO (NO RESPONSE)		
		MUKENE MAPAT (Other)	2024	
		COO PINY) (Specify)	\$	
414	Who took the initiative to start	LAGAM PENY (Respondent)	മ Anga ma okati kitam mക്ലcako kalo kin	
-1- -	using family planning?	LAGAMITENT (NESPONGENC)	nywal? (Who took the initiative to start	
	danig farmiy planning.		using family planning?	
		DAKO NE/CWARE (Partner)	nywal? (Who took the initiative to start using family planning?	
		, ,	<u>α</u>	
		GIN DUCU (Both)	by copyright.	

		BMJ Open	1136/ь	
			136/bmjopen-2021-053	
		MUKENE MAPAT (Other)	27	
		(COO PINY) (Specify)	532	
415	Does your partner participate in family planning use?	KAKARE (Yes)	Ci dako ni/cwari keto itigyub me gengo nywal (kalo kin niwal)? (Does your partner participate in family planning use?)	
	<u> </u>	KUU (No)	sh 2022.	419
	0/	PEKE KI DAKO/CWARE (No partner)	Downloa	419
416	How does s/he participate? MULTIPLE RESPONSES POSSIBLE. DO NOT READ OPTIONS OUT LOUD.	ONONGO PWONY IKIT YO MAPAT PAT ME KALO KIN NYWAL (Learned about birth control methods)	En keto itic yub me kalokin nywal nining? (How does s/heparticipate?) (MULTIPLE RESPONSES POSSIBLE. DO NOT READ OPTIONS OUR LOUD).	419
		OKONYE I MOKO TAM YO MENE MA MYERO OTII KWEDE (Helped decide which method to use)	//bmjopen	419
		OKONYE YUBE NINO ME NENO DAKTAR (Helped make an appointment)	njopen.bmj.com/	419
		OCITO I OT YAT KILINIK (Went to clinic)	On On	419
		OKONYE OCULO PIRE (Helped pay for services)	n April 17,	419
		OKONYE ME TIC KI YO MAGI (Helped use method)	7, 2024	419
		MUKENE MAPAT (Other)	by	419
		(COO PINY) (Specify)	guest	419

		BMJ Open	136/bn
			36/bmjopen-202
417	Why have you not had sex?	PE KI GUM/ CWARE (No	Pingo pwud pe iribe ki lacoo onyo
	(PROMPT ONCE: Any other	opportunity/partner)	dako? မ္က်
	reason?)		PENY ODOC: Tye tyen low mo mukene
	MULTIPLE RESPONSES POSSIBLE.		doki? (Why have you no had sex?)
	DO NOT READ OPTIONS OUT		(PROMPT ONCE: Any other reason?)
	LOUD.		(MULTIPLE RESPONSES &OSSIBLE. DO
			NOT READ OPTIONS OUS LOUD).
		LWORO GAMO IC/YAC (Fear of	202:
		pregnancy)	2. D
	O_{L}	LWORO TWO MA KOBO KI TIMO	IWO
		ABOR/KWIDI TWO JONYO (Fear of	nloa
		STIs/HIV/AIDS)	ldec
		GIN MARAC MA OTIME IKOM CON (Bad	from
		prior experience)	ă r
		PI TYEN LOK ME DINI/WORO	ittp://bi
		(Religious/moral reasons)	<u> </u>
		MITI ME TYEKO KWAN/MEDE KI KWANO	Jope
		TIC (Desire to finish school/pursue career)	en.bn
		MITI ME LOYO KWONE PIRE KENE (Desire	nj.cc
		to have control over own life)	m/
			On L
		MUKENE MAPAT (Other)	Apri
		(COO PINY) (Specify)	117
418	How long do you plan to wait to	WANG MA ANYOME (Until I am married)	Itye kitam me bedo pi kære marom
	have sex? MULTIPLE		mene me cako ribe ki lagoo onyo
	RESPONSES POSSIBLE.		dako? (How long do you plan to wait to
			have sex?) MULTIPLE RESPONSES
			POSSIBLE.
		WANG MA ANONGO LACOO/DAKO	rote
		MABER (Until I met right person)	lected
		WANG MA CWINYA DONG MITO (Until I	
		am emotionally ready)	by copyright

		BMJ Open	136/bm	
			136/bmjopen-202	
		WANG MA AROMO MWAKA MONI (Until I	-0	
		am a certain age)	1-0532	
		PE NGEYO (Don't know)	03	
		MUKENE MAPAT (Other)	9n 2	
		(COO PINY) (Specify)	<u> </u>	
419	Do you think you will use a	KAKARE (Yes)	াtamo ni ibitic ki yo mo ক্রe diko kare	
	method to delay or avoid getting		me nongo ic/yac pi karexno i anyim?	
	pregnant at any time in the		(Do you think you will use a method to	
	future?		delay or avoid getting pregnant at any	
			time in the future?)	
		KUU (No)	08	
			<u>ã</u> ed.	
		I PE ANGEYO IDON I KNOWI		
	•	PE ANGEYO (Don't know) kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito."	
	•	kidiyo gi tetek me cako timo abor kedi bed p	pe gimito."	
	•	kidiyo gi tetek me cako timo abor kedi bed p	pe gimito."	
READ:	("It is common for young people to fee	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito." If they don't want to.") The property of the pro	
READ:	("It is common for young people to fee	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito." If they don't want to.") Ikin dwe 3 mukato angeg, inongo ni	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were pressuring you to have sex?	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Print To Manne Sex (In the last 3 months) April 17, 2024 by 19	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends were pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace ngat mo tye kagudi iyo mape imaro?	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone was touching you in a way that	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends were pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace ngat mo tye kagudi iyo mape imaro? (How confident do you fgel that you	

		CWINYE PE TEK (Not confident)	-0
422	Please tell me if you AGREE or DISAGREE with the following statements.	OYEE (Agree)	Kong waca kace IYEE on to PE YEE lok magi. (Please tell me if you AGREE or DISAGREE with the following statements.)
		PE OYEE (Disagree)	March
	(a) I am confident I could use a contraceptive correctly all times		Cwinya tek ni atiyo ki yagme gengo yacu maber kare ducu (bam confident I could use a contraceptive correctly all times)
	b) (My partner would support my decision to use a contraceptive)	000	Cwara romo cwako tama me tic ki yat me gengo yacu (My pargner would support my decision to use a contraceptive)
	c) I am confident I could use a condom correctly at all times	Cerio	(c) Cwinya tek ni aromodic ki roc bol maber kare ducu (I amgonfident I could use a condom correctly at all times)
	d) My partner would support my decision to use a condom	4	(d) Cwara romo cwako tama me tic ki roc bol (My partner would support my decision to use a condom)
	(e) My partner would support my decision to use a condom and another method of contraception together		e) Cwara romo cwako tama me tic ki roc bol karacel ki yo mukene me gengo yacu (My partner would support my decision to use a condon and another method of contraception together)
423	Please tell me if you AGREE or DISAGREE with each statement	OYEE (Agree)	Kong waca kace IYEE or O PE IYEE lok magi: (Please tell me if O AGREE or DISAGREE with each statement)
		PE OYEE (Disagree)	9 .
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	BMJ Open	1136/bi	Р
		36/bmjopen-202	
(a) I know where to obtain a		a) Angeyo kama aromognongo kit me	
family planning method		kalo kin nywal iye (I know where to obtain a family planning method)	
(b) I am able to reach this place easily.		b) Aromo ook i kabedo man labongo peko (I am able to reach this place easily.)	
(c) If I wanted to obtain a family		c) Kace amito nongo yo ne kalo kin	
planning method, I have the		nywal, atye ki kero me Wilo acel. (If I	
means to purchase one.		wanted to obtain a family planning method, I have the means to purchase one.)	
SECTION 5: ATTITUDE, NORMS AND BEHAVIORS TOWARDS Amani amito lok kedi ikom kop amako tic kede kongo	S ALCOHOL USE) Dia de de	
(I would now like to talk to you about alcohol use.)		from http://bmjop	
		/bmjop	

501.	Please tell me if you AGREE or DISAGREE with the following statements:	OYEE (AGREE)	Kong itita ka IYEE nyo PEIYEE kede nyig lok magi: (Please tell me if you AGREE or DISAGREE with the following statements:)
		PE OYEE (DISAGREE)	AB AB
		PE OGAMO (No response)	rii 1
	a) Drinking to the point of getting drunk is an acceptable way to relax.		a) Mato kongo naka imer obedo yore acel ame oyee me weo Porinking to the point of getting drugk is an acceptable way to relax?
	b) Drinking alcohol makes people do things they might regret and hurt their health.		b) Mato kongo mio jo timo jami mogo ame otwero paro icen kede dang balo yotkom gi oko (Drinking alcohol makes people do things they might regret and hurt their health.)

		BMJ Open	136/br	
			136/bmjopen-20;	
	c) Drinking alcohol is an indication of a man's physical strength, endurance and sexual prowess.		c) Mato kongo obedo anyut me teko a dano icoo, kanyo jami kede gupu me ribere kede dako (Drinking alcohol is an indication of a man's physical strength, endurance and sexual prowess.)	
502	In the last month, how often did you drink to the point of getting drunk? Never, sometimes, or often?	PE ATWAL (Never)	Ikine me dwe okato, imato kongo pi kare arom kwene ame ike nwongo ni imer tutwal? Pe atwal, kare okene, nyo kare ikare? (In the last month, how often did you drink to the point of getting drunk? Never, sometimes, or often?)	
		KARE OKENE (Sometimes)	om .	
		KARE IKARE (often)	nttp	
503	How often did you feel pressured to drink in the last month? Never, sometimes, or often?	PE ATWAL (Never)	Pi kare arom kwene ame obedo diyi ni imat kongo i kine me dwe okato? Pe, kare okene, nyo kare ikare? (How often did you feel pressured to drink in the last month? Never, sometimes, or often?)	
		KARE OKENE (Sometimes)	9	
		KARE IKARE (often)	Apri	
504	In the last 3 months, were you in a situation where you thought a friend was drinking too much?	EE (YES)	I kine me dwe okato, kotig ibin ineno kare moro ame inwongoni awoti onwongo tye amato kotigo adwong adwonga? (In the last smonths, were you in a situation where you thought a friend was drinking too much?)	
		PE (NO)	Pro	601
505	What did you do about it?	AMIO KI GI TAM (Gave them advice)	Ibin itimo ngo iye? (What did you do about it?)	
		AMIO GI GIN KONY (Got them help)	gy copyright.	

		.02	
	AMIO GI OWEKO OKO (Intervened/stop	1-0	
	them)	532	
	OKENE (other)	03	
	TITI (Specify)	on 2	
SECTION 6: EXPO	OSURE TO INTERVENTION	Ma Ma	

Apwoyo tutwal. Otye dong owot bala otyeko oko. Aman, amitto penyi lok amako gi rabbo ngec apol apapat kede kwena ame ibin ibedo winyo acocoki
(Thank you. We are almost finished. Now, I would like to ask you questions about different types of media and messages you been Apwoyo tutwal. Otye dong owot bala otyeko oko. Aman, amitto penyi lok amako gi rabbo ngec apol apapat kede kwena ame ibin ibedo winyo acocoki

exposed to recently.)

601.	How often do you listen to the	NINO NINO (ALMOST EVERY DAY)	Imaro winyo redio pi kare arom	
	radio?(READ THE OPTION OUT		kwene? (How often do gou listen to the	
	LOUD)		radio?) (KWAN GIN MAM ALONGO	
			(READ THE OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST ONCE A	imjo	
		WEEK)	ppe	
		ICEL ICEL I DWE ACEL (AT LEAST ONCE A	n.br	
		MONTH)	nj. o	
		PE KOM ATWAL (NOT AT ALL)	m/	605
			9	
602.	What radio stations do you	MEGA FM	Citecen mene ame image winyo?	
	usually listen to? (MULTIPLE		(What radio stations do=you usually	
	RESPONSES POSSIBLE)		listen to? (AGAM APOL TWERE)	
		CHOICE FM	202	
		RADIO LIRA	4 by	
		VOICE OF LANGO FM	gue	
		OKENE MAPAT (OTHER)	S.t.	
		TITI (SPECIFY)	Prot	

		BMJ Open	136/bmjopen-
			en-202
603.	In the last 3 months, have you heard any radio broadcasts on the following:	EE(YES)	I kine me dwete 3, kongiwinyo puruguram moro ame etye aleyo iye lok magi: (In the last 3 months, have you heard any radio broadcasts on the following)
		PE(NO)	any radio broadcasts of the joilowing)
		PE POYO(DON'T KNOW)	ר 20
	a) How ideal men and women should behave)	-	a) Kit ame coo kede man myero bed kede (How ideal men and women should behave)
	c) Romantic feelings or relationships)	Cep.	c) Miti nyo wat ikin cookede mon (Romantic feelings or regationships)
	d) Young people using family planning methods to prevent pregnancy	Chi.	d) Jo atino atye atic kede yore me lago nywal me gengo yac (Young people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home	4	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making decisions together in the home)
	g) Role of boys and girls in the home		g) Tic owobe kede onyira i kin paci (Role of boys and girls in the home)
	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marriage until they are 18)

		BMJ Open	1136/bmjopen-2	F
			pen-202	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore me lago nywal me diro kare me gywallo atin gi okene (Young parents using family planning methods to delay the birth of their next child)	Skip to 605 If NO for all
	j) Girls staying in school)		j) Onyira ame tye I cukul (Girls staying in school)	
604	What was the name of the program?	COO PINY (SPECIFY)	nying puruguram man anwongo obedo ngo? (What was the name of the program?)	606 if Oteka mentio ned
605	Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	KAKARE (YES)	anaka ni kong iwinyo puruguram moro me tuku goga I redio ame olwongo ni Oteka? you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	
		KUU (NO)	007	618
606	On what radio station did you hear Oteka?	MEGA FM	iwinyo puruguram me Oteka I redio mene? On what radio station did you hear Oteka?	
		CHOICE FM	17, 2	
		RADIO LIRA	2024	
		VOICE OF LANGO FM	by 9	
		UNITY FM	juest .	
		MUKENE MAPAT (OTHER)	•	
		COO PINY (SPECIFY)	Protectec	

607	In the last 6 months, how often	EVERY WEEK	I dwete abicel okato angec, iwinyo
	have you listened to Oteka?		Oteka tye adii? In the lest 6 months,
			how often have you list ned to Oteka?
		MOST WEEKS	n 2
		OCCASIONALLY	<u>N</u>
608	When you don't listen to Oteka,	cawa ame otuku I yee pe tye aber	ka pe iwinyo Oteka, nwangngo ngo
	what is the main reason?	(Time of broadcast is not convenient)	omio pe iwinyo?
	PROMPT: What other reasons?		When you don't listen to Oteka, what
	UNTIL RESPONDENT INDICATES		is the main reason? PROMPT: What
	NO MORE REASONS.		other reasons? UNTIL RESPONDENT
	•		INDICATES NO MORE REASONS.
	MARK ALL RESPONSE OPTIONS	100	ed f
	MENTIONED.	Co	MARK ALL RESPONSE OF TIONS
			MENTIONED.
		wia wil oko (I forget)	p://
		jo okene en aye moko tam ikom winyo	om _j .
		redio (Other people decide on radio use)	oper
		radio na pe tye (Don't have own radio)	າ.bm
		batri pe tye (No batteries)	nj. co
		tama pe iye (Not interested)	3
609	Where do you usually listen to	paco (HOME)	puruguram man imari ৠ inyo ikwene?
	this program?		(Where do you usually i Beten to this
			program?) 7
		I cukul (SCHOOL)	203
		kanica (CHURCH)	24 by
		ite gurup (PLATFORM GROUP OR CLUB)	
		I poto (FARM)	guest.
		en okene (OTHER)	Pro
		COO PINY (SPECIFY)	tected ed
			ie i

	Which character is most like you?		136/bmjopen-202	
	Which character is most like you?			
1 2	SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	OKIDI	nga ame inwongo ni tye bala yin l puruguram man? (Which charcater is most like you?)SHOW CERDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER MMARY FOR DESCRIPTIONS, IF NEEDED.	
		NYERO	2022	
		KOMAKETCH	D	
		ORACH	nwn	
		MUKENE MAPAT (Other)	oad	
		COO PINY (SPECIFY)	ed f	
6 () ()	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro alogo I tuku goga no? (Which character da you most admire in the drama?) SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		AKETCH	April 1.	
		KOMAKETCH	ii 13	
		ORACH	7, 20	
		MUKENE MAPAT (Other)	2024	
		COO PINY (SPECIFY)	by guest. Protected by copyright.	

	BMJ Open	136/bn
		136/bmjopen-20
CARDS WITH AMES AND HAVE SELECT 1 EFER TO IMMARY FOR		nga ituku man ame dong cunyi pe maro aloo? NYUT KAD AME TYE KEDE NYING OTUKU APAPAT. MI AGAM APENY ME YERO NYING ACEL. Which character do you most dislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEED D.
	тсн	oaded fro
		n http://
main topics teka? t other topics? DENT INDICATES ICS.		kodi wii kop ango ame ebedo leyo l puruguram man? (Wat were the main topics discussed of Oteka?) UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OF TIONS MENTIONED.
		117, 2024
kwan an	yira (GIRLS EDUCATION)	t by gue
(RELATIC	NSHIPS BETWEEN CHILDREN	guest. Protect
		Protected by copy
	CARDS WITH AMES AND HAVE SELECT 1 EFER TO JIMMARY FOR , IF NEEDED. NYERO KOMAKE ORACH MUKENE COO PIN main topics teka? t other topics? DENT INDICATES ICS. PONSE OPTIONS wat ikin a BETWEEL kwan an gum me	Per do you most CARDS WITH AMES AND HAVE SELECT 1 EFER TO JIMMARY FOR JIF NEEDED. NYERO KOMAKETCH ORACH MUKENE MAPAT (Other) COO PINY (SPECIFY) main topics teka? t other topics? DENT INDICATES JICS.

		BMJ Open	1136/b	
			136/bmjopen-2021-0	
		en okene (Other)	21	
		COO PINY (SPECIFY)	5 33 2	
614	Have you talked to others about these topics you heard on Oteka?	ee (YES)	iloko kede ngotoro keken ikom kop ame iwinyo I puruguran man I redio? (Have you talked to others about these topics/topics you heard on the radio program?)	
		pe (NO)	22	616
615	With whom did you talk about these topics? MARK ALL RESPONSE OPTIONS MENTIONED	papa (Father)	nga ame iloko kede ikogi kop ame iwinyo I puruguram man? (With whom did you discuss these topics?) MARK ALL RESPONSE ORTIONS MENTIONED	
		kwaro (Father-in-law)	n http	
		mama (Mother)	»://bm	
		atat (Mother-in-law)	njopen	
		brother/sister	ʻ.bmj.bom/	
		wat okene (other relative)	m vo	
		alwak (PEER)	9	
		jo me gurup (GROUP MEMBERS)	April 17,	
		en okene (Other)	177,	
		COO PINY (SPECIFY)	202	
616	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kede wur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from Oteka?)	
		pe (NO)	b у со	618

		BMJ Open	36/bmj	
			136/bmjopen-20	
617	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omii miti? (What surprised or interested you?)	
618	Do you belong to any community or school group(s)?	ee (YES)	itye i gurup i kin paco omyo i cukul? (Do you belong to any community group?)	
		pe (NO)	Do	624
619	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwag i yore-iyore: (Which community group do you belong to? READ DOWN LIST)	
	a)Religious organization	pe (NO)	a) gurup me dini (Religious organization)	
	b) Village savings and loan group	10/2	b) Gurup me bol icap (Village savings and loan group)	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab ma bulu (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other)	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
620	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adi? How often does your graup meet?	
		dwete aryo icel (EVERY TWO WEEKS)	by cop	

Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity wing these cards and games? (Did you participate in an activity using these cards and games?) (Did you participate in an activity using these cards and games?)			BMJ Open	1136/bn	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Was your group given a bag with twu apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) ibedo atye itic'oro keken ame otio kede kad me tuku?				njopen-20	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Was your group given a bag with twu apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) ibedo atye itic'oro keken ame otio kede kad me tuku?			dwe acel icel (ONCE A MONTH)	21-0	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Was your group given a bag with twu apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) ibedo atye itic'oro keken ame otio kede kad me tuku?			icel-icel (OCCASIONALLY)	53203 on 22 M	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Was your group given a bag with twu apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) ibedo atye itic'oro keken ame otio kede kad me tuku?			en okene (Other)	en okene (Other)	
cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Pe (NO) Like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Like this? CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) Like this? On the pe (NO) Like this? On the perticipate in an activity using the perticipate in an activity activity using the perticipate in an activity using the perticipate in an activity activity using the perticipate in an activity activity using the perticipate in an activity activity using the perticipate in an activ		^O,	COO PINY (SPECIFY)	COO PINY (SPECIFY)	
Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW picture of activity using the second of the s	621	cards and games that looks like this?	ee (YES)	tuku apapt tye iye ame al kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?)	
using these cards and games? SHOW PICTURE OF TOOLKIT BAG (Did you participate in articipate in articipate)			pe (NO)	n.bmj.com	624
pe (NO)	622	using these cards and games?	ee (YES)	kede kad me tuku?	
			pe (NO)	by guest. P	624

		BMJ Open	136/bn	
			136/bmjopen-202	
623	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG READ OPTIONS OUT LOUD.	icel (ONCE)	tyen adii ame ibedo iti ame otio kede kad karacel kede tuku? (KWAN NYIG LOK AME OCOO PINY) (How often have you participated in an activity using these cards and games?)	
		icel-icel (OCCASSIONALLY)	arch 202	
		kare-ikare (OFTEN)	22. [
624	Have you ever participated in an activity that used this material? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	ee (YES)	anaka ibedo i tic ame ogo kede gini? (Nyut kad pi dul tic apagat. Wek agam apeny yer en ame en oto kede, eka ite gweto ni EE pi tic ame ogero kede PEE pi tic ame pe oyero) (Which activities or games have you used participated in ? LAY PICTURE CARDSOF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARKYYES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	
	A) Bassel Court	pe (NO)		
	a) Board Game		17, 20	
	b) Activity Card		2024	
	c) Boys flipbook		by g	
	d) Girls flipbook		lu es	
	e) Radio Discussion Guide		guest. Protected	626 if NO to all

		BMJ Open	1136/bmjopen-20	ſ
			<u> </u>	
625	How often did you use each of the materials you selected? REFER TO CARDS SELECTED IN 625 & MARK RESPONSES FOR ONLY THOSE PREVIOUSLY SELECTED	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyeo ni, itio ked gi pi kare arom kwene? III KEDE KAD AME OYERO I 625 ITE GWETO PI EN AME ONWONGO OYERO KEKEN)How often did you use each of the materials you selected? REFER TO CARDS SELECTED IN 625 & MARK RESPONSES FOR ONLY THOSE PREVIOUSLY SELECTED	
		I kare okene (EVERY OTHER SESSION)	SELECTED .	
		I cel-icel (A FEW SESSIONS)	N N N N N N N N N N N N N N N N N N N	
		icel (ONCE)	ä d e d	
	a) Board Game		dfro	
	b) Activity Card	104		
	c) Boys flipbook	h	.tp://	
	d) Girls flipbook	10.	<u>j.</u>	
	e) Radio Discussion Guide		90 e	
626	In the last 3 months, have you discussed any of the following in these groups	ee (YES)	idwete adek okato ni, i aro wunu lok magi i gurup wu? (In the last 3 months, have you discussed any of the following in these groups:)	
		pe (NO)	ii 17	
		pe poyo (DON'T REMEMBER)	, 20	
	a) How ideal men and women should behave		a) kit ame coo kede mon myero bed kede? (How ideal men and women should behave)	
	b) Physical, emotional or social changes during adolescence		b) Aloka loka ame bedoj kom, I cuny, onyo ikite me kwo ikare me tego? (Physical, emotional or social changes during adolescence)	

3		BMJ Open	136/bi
			136/bmjopen-20
	c) Romantic feelings or		c) cuny me mit kede winyere me
	relationships		mit ikin icoo kede dako
	Telationsinps		(Romantic feelings or reationships)
	10.00		0
	d) Young people using family		d) onywal atino myero tii kede yore
	planning methods to prevent		me lagoro nywal me gengo yac
	pregnancy		(Young people using family planning
	a) Man and waman making		methods to prevent pregnancy) e) coo kede mon moko tam gi karacel
	e) Men and women making decisions together in the home		I ot (Men and women making decisions
	decisions together in the nome		together in the home)
	f) Teasing, bullying or violence		f) yelo anyira, bura onyoo lweny ikin
	between boys and girls or men		owobe kede anyira, on to ikin coo
	and women		kede mon (Teasing, bulking or
	and women	10 .	violence between boys and girls or
			men and women)
	g) Role of boys and girls in the		g) Tic pa owobe kede agyira I paco
	home	. 61.	(Role of boys and girls in the home)
	h) Young people delaying		h) awobe kede anyira galo nyomere
	marriage until they are 18	· (O)	naka ka oromo gini mwaka 18 (Young
		· //	people delaying marriage until they are
			18)
	i) Young parents using family		i) onywal atino myero tii kede
	planning methods to delay the		yore me lagoro nywal nee rii kede
	birth of their next child)		nywalo atin okene (Youฺคิg parents
			using family planning methods to delay
			the birth of their next child)
	j) Girls staying in school		j) otino anyira mede kede
			kwan Lutino anyira me
607	Advantage and the second	(VEC)	(Girls staying in school)
627	Was there anything that	ee (YES)	onyo ginoro oweki kede wur , onyo miti iyonge tic wu no? $\overset{\circ}{\Omega}$
	especially surprised or interested you from those		(Was there anything that especially
	activities/discussion?		(was there unything that especially
	activities/ uiscussion:		СОР
			соругіght.

		BMJ Open	1136/br	I
			136/bmjopen-202	
			surprised or interested you from those activities?)	
		pe (NO)	N S	629
628	What surprised or interested you?	COO PINY (SPECIFY)	ngo ame oweki kede w@r onyo oweki kede miti? (What surprised or interested you?)	
629	Did you discuss these topics with other people after playing these activities?	ee (YES)	ileyo tam man kede jo okene oyonge tuku tic man? (Did you discuss these topics with other people after playing these activities?)	
		pe (NO)	m 11	631
630	With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED	toto (MOTHER)	ileo tam magi kede nga (With whom did you disguss these topics?)	
		papo (FATHER)	con	
		omege kede amege (SIBLINGS)	on on	
		oor (IN-LAWS)	O4 }	
		jo me paco okene (OTHER FAMILY MEMBERS)	Ap:il 17, 2	
		olwagi (PEER)	2024	
		jo me gurp (GROUP MEMBERS)	by	
		en okene (Other)	guest.	
		COO PINY (SPECIFY)	<u>ş;</u> D	
	·		Q	•

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			N
631	In the last 3 months, have any	ee (YES)	i dwete adek ame okat@ni,atela moro
	religious/community leaders		me dini nho me kin pacစ် oloko ikedi
	(identify by name) ever talked		ikom kop magi? ් මී
	about these topics?		(In the last 3 months, have any
			religious/community leaders (identify
			by name) ever talked ab aut these
			topics?) 약
		pe (NO)	202
		Wie pe poyo (DON'T REMEMBER)	<u></u>
	a) How ideal men and women	>	a)kit ame coo kede mog myero bed
	should behave	6	kede g
			(How ideal men and women should
	4		behave)
	b) Physical, emotional or social	· O ,	b) Aloka loka ame bedoŽikom, icuny,
	changes during adolescence)		onyo ikit me kwo ikareane tego
		1	(Physical, emotional or 📆 cial changes
		· (O)	during adolescence) 😅
	c) Romantic feelings or		c) cuny me mit onyo wat ikin coo kede
	relationships		mon
			(Romantic feelings or relationships)
	d) The way men and women use		d)kit ame cooo kede mgn tiyo kede
	power		teko kede twero
	,		(The way men and women use power)
	e) Teasing, bullying or violence		e) tukku, bura onyo gero ikin awobe
	between boys and girls or men		kede anyira onyo ikin cao kede mon.
	and women		(Teasing, bullying or violence between
	and women		boys and girls or men and women)
			eg
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	•		ote
			ëc e
			rotected by copyright
			y cc
			уруг
			-igh
			.

l 136/bmjopen-202

632	In the last 3 months, have you	ee (YES)	ikin dwete adek ame okato ingec,	
	participated in any activity to		ibedo i ticoro keken meyubu kin paco	
	improve your community?		wu?	
	improve your communey.		(In the last 3 months, have you	
			participated in any activity to improve	
			your community?	
		pe (NO)	rch	634
633	What activity did you participate	COO PINY (SPECIFY)	tic ango ame ibedo itiy®me yubu kin	
	in to improve your community?	,	paco wu?	
			(What activity did you participate in to	
			improve your communit []?	
634	Have you heard of a group in this	EE (YES)	Iwinyu nying gurup mo	
	community called CAG?		olwongo ni CAG ikin paço kan?	
	·		(Have you heard of a graup in this	
			community called CAG? <u>∓</u>	
		25 (112)); 	
		PE (NO)	<u> </u>	637
635	Have you ever participated in an	EE (YES)	ibedo iyuba me ticoro ame gurup man	
	activity organized by this group?		en oyiko?	
		· (C)	(Have you ever participeted in an	
		`И	activity organized by the group?)	
		PE (NO)	on	637
636	What activity did you participate	COMMUNITY SENSITIZATION	tic ango ame ibedo iye ZCOO AGAM	
	in? MARK ALL RESPONSE		DUCU What activity did you	
	OPTIONS MENTIONED.		participate in? MARK Alb RESPONSE	
			OPTIONS MENTIONED. 2	
		FIRE PLACE CHAT(WANG-OO)	by ç	
		HOME VISIT	guest.	
		TIOIVIL VISIT	st. R	
		SUPPORT TO A YOUTH GROUP	² rote	
		EN OKENE (Other)	rotected	
		COO DIAIN (SDECIEN)	9	
		COO PINY (SPECIFY)	copyright.	

		BMJ Open	36/bm	
			136/bmjopen-20;	
637	In the last 3 months, have you talked with a village health team member or health provider?	EE (Yes)	I dwete adek okato angec, iloko kede dakatal me kin paco (VET) onyo aticoro me yot kom? (B) the last 3 months, have you talked with a village health team member or other health care provider?)	
		PE (No)	rch 2	648
638	With whom did you talk?	naci (NURSE)	2022. Do	
		acola (MIDWIFE)	Downloaded from http://bimjope	
	4	atic me dakatal (MEDICAL OFFICER)	ed from	
		dakatal me kin paco (VHT)	http://br	
		en okene (OTHER)	njopen.l	
		kob mene (SPECIFY)	pmj.com	
639	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	
		paco atic me yotkom (H/provider's home)	2024 b	
		paco na (My home)	\ \ \	
		I cukul (school)	guest. Protected by co	
		ka gure a bulu (YOUTH CENTER)	otecte	
		MARIE STOPES	yd by	

		BMJ Open	1136/bm	
			136/bmjopen-2021-053203	
		Pharmacy	21-05	
		pe ngeo/ pe poyo (DK/Don't remember)	3203	
		pe ogamo (No response)	on 22	
		en okene (Other)	2 March	
		COO PINY (specify)	rgh 20	
640	What did you talk about? (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wth kede atic me yotkom? What did you talk to the health provider about? MARK ALL OPTIONS MENTIONED)	
	(a) Sexually transmitted infection	pe (NO)	(a) twoe ame kobo ibutu (Sexually transmitted infection)	
	(b) Family planning		(b) lagoro nywal (kalo km nywal) (Family planning)	
	(c) Immunizations	6/2:	(c) agwera (Immunizations)	
	(d) injury	10.	(d) Awano (injury)	
	(e) illness		(e) Lit kom (illness)	
	ALCOHOL		kongo (ALCOHOL)	
	SAFETY		(d) Awano (injury) (e) Lit kom (illness) kongo (ALCOHOL) bedo aber (SAFETY)	
	EARLY MARRIAGE		nyomere con (EARLY MARRIAGE)	
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENCE	
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)	
	PUBERTY		dongngo doko ngat otego (PUBERTY)	
	MUKENE MAPAT (Other)		en okene (Other)	

1		BMJ Open	1136/bm)	
			COO PINY (SPECIFY) 1-0	
	COO PINY (SPECIFY)		COO PINY (SPECIFY) -05	
641	Did you get the information/help you wanted	EE (YES)	ibin inwongngo ngec or kony ame onwongngo itye imoto bild you get the information/help you wanted	
		PE (NO)	Ma	
		Idyere-dyere (PARTIARLY	arch	
642	Did the provider refer you for other services?	EE (YES)	ngat ame iwoto bote own icwali bot ngat okene ame twero miyi kony ame onwongngo itye imito? Did the provider refer you for owner services?	
		PE (NO)	Dade	644
643	What kind of services did the provider refer you for?	COO PINY (SPECIFY)	kodi kony ango ame dano no ocwali me wot nwongngo? What kind of services did the provided refer you for?	
	Administer to only those who talk	ed to the VHT in Qn 638		
	Now, we are going to talk about y disagree with these statements.	our visit to the VHT in the last thre	e months, Please tell me if you agree or	
644	During my last visit with the VHT, she or he treated me with respect	yee (AGREE)	Ilimo na me agiki, abedo kede kare me me penynyo atic me yotkom kede apeny (During my last visit with the VHT, she or he treated e with respect)	
		pe yee (DISAGREE)	20	
645	(During my last visit with the VHT, she or he treated me with respect)	YEE (AGREE)	awinyo bala lok ame abokko kede atic me yotkom obedo imung ikin wan okede. (During my last wish the VHT, she or he treated me with respect)	
		PE YEE (DISAGREE)	ecte	

l 136/bmjopen-202

646	During my last visit, I felt my	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok	
U-10	conversation with the VHT was	TEL (TOTALE)	ame alokko kede atic me yotkom	
	private		obedo imung ikin wan akede.During	
	private		my last visit, I felt my conversation	
			with the VHT was private)	
		DE VEE (DICA CDEE)	with the vni was private)	
		PE YEE (DISAGREE)	arc	
647	I am confident that the VHT will	YEE (AGREE)	atye kede tek cuny ni dਕ੍ਰੇkatal me kin	
	not tell others about my		paco pe akobi jo okene🎠op ame wan	
	conversation, during my last		oleo kede, Ilimo na me agiki (I am	
			confident that the VHT &ill not tell	
			others about my convergation, during	
	*		my last)	
		PEE YEE (DISAGREE)	, , , , , , , , , , , , , , , , , , ,	
		TEE TEE (DISTIGNEE)	rom	
648	Do you use a mobile phone?	EE (YES)	itio kede cim?	
		h	(Do you use a mobile phone?)	
			/bm	
		PEE (NO)	9. Op	END
		TEE (NO)	ēn.	LIND
649	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANĜO? (What	
			type of phone do you use?)	
		(FEATURE PHONE)	· · · · · · · · · · · · · · · · · · ·	
		(TEATONE THONE)	on	
		(SMART PHONE)	April	
		MUKENE MAPAT (Other)	7, 2	
		COO PINY (SPECIFY)	2024	
		COO FINT (SPECIFT)	4 5	
650	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga?യ്യ	
	·		(Who owns the mobile phone?)	
			<u>'</u> ⊑	
		toto (MOTHER)	rot	
		LOLO (MOTTLEN)	ecte	
	•		Protected by copyright.	
			у с	
			ор	
			yrig	
			jht.	

;		BMJ Open	136/bn
			njopen-20:
		papo (FATHER)	136/bmjopen-2021-053203
		omego na kede amege na (SIBLINGS)	9
		oor (IN-LAWS)	22
		jo okene me paco (OTHER FAMILY MEMBERS)	March 2022
		olwagi (PEER)	22. D
	0/	jo me gurup (GROUP MEMBERS)	Jownlo
		en okene (Other)	vadec
	1	kob mene (SPECIFY)	from
651	Do you have your own SIM card?	EE (YES)	itye kede kad me cim? 를 (Do you have your own ȘIM card?)
		PE (NO)	vmjope
			n. bg
652	What do you use your mobile phone for? PROBE: What else until respondent indicates no	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your pobile phone for?)
	further uses. MARK ALL RESPONSES MENTIONED.		on April 1
		me gamo ka jo ogoo (RECEIVE PHONE CALLS)	17, 2024 by
		Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	4 by gues
		Yenyo ngec iyii intanet (ACCESS THE INTERNET)	
		Mako cal me video (TAKE PHOTO OR VIDEOS)	Protected by
		, ·	c c c c c c c c c c c c c c c c c c c

		BMJ Open	136/br	
			136/bmjopen-2021-053203 on	
		Me gwoko cawa onyo me keto cawa me	21	
		poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	53203	
		Me bedo I facebuk (ACCESS FACEBOOK)	3 on 22	
		Me tuku (PLAY GAMES)	2 March	
	6	me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	2022.	
	9/	Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)	wnloade	
		Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	Downloaded from http://bmj	
		Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)	jopen.bn	
		Me kwanno balo me yimail (ACCESS EMAIL)	nj.com/	
		Tic kede twita (USE TWITTER)	on April	
		Pe Ngeo (DON'T KNOW)	17,	
		Pe I kan (NONE OF THESE)	20241	
553	How often do you send SMSes?	Tyen apol nino acel (SEVERAL TIMES A DAY)	Imaro cwalo messej I cima?(How often do you send SMSes?)	
		nine anonok I cabit acel (A FEW TIMES A WEEK)	Protecte	
		nine anonok I dwee acel (A FEW TIMES A MONTH)	rotected by copyright.	

		BMJ Open	36/brr
			136/bmjopen-202
		Pe romo tyen acel I dwee acel (LESS THAN	21-053203
		ONCE A MONTH)	5320
		pe atwal (NEVER))3 on
		Pe ngeo(DON'T KNOW)	22 Ma
654	How often do you receive	tyen apol nino acel (SEVERAL TIMES A	imaro nwongngo messe l cimi tyen
	SMSes?	DAY)	adii? (How often do yo\receive SMSes?)
	0	nine anonok I cabit acel (A FEW TIMES A	ownlo
		WEEK)	ade
		nine anonok I dwee acel (A FEW TIMES A MONTH)	nloaded from
		Pe romo tyen acel I dwee acel(LESS THAN ONCE A MONTH)	http://b
		pe atwal(NEVER)	mjop
		Pe ngeo (DON'T KNOW)	en.bn
655	Do you currently use more than	EE (YES)	itiyo kede cim akato ace (Do you
	one mobile phone?		currently use more than one mobile phone?)
		PE (NO)	phone:)
		PE (NO)	±
656	Do you currently use more than one SIM card?	EE (YES)	itye itic kede line me cim akato acel? (Do you currently use more than one
			SIM card?) §
		PE (NO)	gues
657	If you could receive SMSes with	yee ducu (DEFINITELY YES)	ka onwongngo itwero nuongngo
	health information and tips, would you read them?		kwena ame kato icim, itavero kwanno?
		yee idyere-dyere (PROBABLY YES)	d by copyright.
			l

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SKIP

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101.	Sex of respondent	ICOO (Male	Agam apeny obedo icoo nyo dak g (Sex of respondent)
		DAKO (Female)	:03 on 2
102.	(How old were you on your last birthday?) [If the participant does not know his/her age: "Can you tell me in what year you were born?"]	MWAKA MERE (Age in complete years)	Onwongo itye mwaka adi ikare ange ikwero kede nino me nywalli ni me agikke PENY KA AGAM APENY PE NGEO MWAKA MERE: ([AGE TO BE CALCULATED AFTER HE INTERVIEW]
	[AGE TO BE CALCULATED AFTER THE INTERVIEW]	6	(How old were you on your last biếthday?) "Itwerotita I
		See.	dwekedemwakameneameonywa顏ye?" [If the participant does not know his對her age: "Can you tell me in what year you born?"]
		DWETE (Month)	://br
		MWAKA ONYWALE IYE (Year born)	mjopen
		PE NGEYO MWAKA (Don't know age)	.bmj.co
103.	What is your religion?	ATOLI (Catholic)1	Itye idini mene? (What is your religion?)
		OGERI (Protestant)2	Pri
		ACILAM (Muslim)3	117,
		OLARE (Pentecostal)4	2024
		SDA (SDA)5	24 5
		OKENE (Other)99	ð.
		TITI (Specify)	est
104.	Which tribe do you primarily identify with?	ACHOLI1	Rok ni obedo mene? (Which tribe प्री० you primarily identify with?)
		LANGO2	cted.
		ATESO3	ву сор

		BMJ Open	36/bn	
			136/bmjopen-202	
		KUMAM4	21	
		MA'DI5	5532	
		OKENE MAPAT (OTHER)99	203	
		TITI (SPECIFY)	9	
105.	What is the highest level of school you attended?	PE MORO (None)1	Ikwano igik ikilaci adi? (What is the highest level of school you attended?)	
		PURAIMARI (Primary)2	 	107
		CINIA 4 (O level)3	2022.	107
		CINIA 6 (A level)4	. 0	107
	9/	UNIBACITI (University)	winload	107
		KA KWAN ADWONG (Tertiary)6	ed from	107
106.	What is your primary reason for not having attended school (MULTIPLE RESPONSES POSSIBLE.)	MYERO TII PI OCARA (Need to work for a wage)1	Tyen kop ango ame ogengi kwan (What is your primary reason for not having attended school) (MULTIPLE RESPONSES POSSIBLE.)	110
		MYERO TII I PACO (Need to work at home)2	pen.br	110
		CENTE ME KWAN PE (No funds for school fees)3	com/	110
		ONYWAL PE MITO (Parents don't want)4	on Apri	110
		LWENY OBALO KWAN OKO (Disrupted by war)5	117,	110
		OKENE (Other)99	2024	110
		COO PINY (Specify)	by	
107.	Are you currently in school?	EE (Yes)1	Aman itye icukuloro? (Are you currently in school?)	
		PE (No)2	roj	110
108.	Do you plan to continue studying?	EE (Yes)1	Itye kede pulan me medde kede kwanni? (Do you plan to continue studying?)	110
		PE (No)2	y copyright	

		BMJ Open	36/br	
			36/bmjopen-20;	
109.	What is your primary reason for not	YAC (Pregnancy)1	Tyen kop ango ame gengi mede kede kwan?	
	continuing your studies? MULTIPLE	. 5 //	(What is your primary reason for got	
	RESPONSES POSSIBLE.		continuing your studies?) MULTIP	
			RESPONSES POSSIBLE.	
		MYERO TII PI OCARA (Need	22	
		to work for a wage)2	March	
		MYERO TII I PACO (Need to	rch	
		work at home)3	2022	
		CENTE ME KWAN PE (No		
		funds for school fees)4	Oow	
		ONYWAL PE MITO (Parents	n io	
		don't want)5	Downloaded from	
		OTYEKO KWAN (Has	<u>a</u>	
		completed education) 6	om m	
		LWENY OBALO KWAN OKO	http:/	
		(Disrupted by war)7	6	
		OKENE (Other)99	mjo	
		TITI (Specify)	p e e	
110.	Do you have a job or do you carry	EE (Yes)1	Itye kede tic ma itimo onyo ginor ame akelo	
	out an activity for which you receive		lim ite caoni onyo magoba moro (Do you	
	an income or earn a profit?		have a job or do you carry out an activity for	
			which you receive an income or e&rn a	
			profit?) →	
		PE (No)2		112
111.	What is your occupation, that is	TITI	Itimo ngo, man aye kit kodi tic mëne ame	
	what kind of work do you mainly	(Specify)	imaro tiyo kare ducu? (What is your	
	do?		occupation, that is what kind of work do you	
			mainly do?)	
		AGAM PE (No response)	<u> </u>	
		88	Prote	
112.	Are you the head of the household?	EE (Yes) 1	Yin aye iloo wi paco ame ibedo iye no? <i>(Are</i>	115
	The year the head of the headerfold.	(, 33,	you the head of the household?) $\frac{\partial}{\partial x}$	
		PE (No) 2	-	
		r L (110) 2	copyright	<u> </u>

		BMJ Open	36/br	
			136/bmjopen-20	
113.	Is the head of household under	EE (Yes) 1	Ceni ngataloo wipaco ni tye ame mwaka	
	the age of 20?	(1.55)	mere petunu 20? (Is the head a household	
			under the age of 20?) $\overset{\circ}{\omega}$	
		PE (No) 2	on	
114.	What is your relationship to the	APAE (Spouse) 1	Wati kede ngat aloo wi paco man_ye ningo?	
	household head?		(What is your relationship to the Pousehold	
			head?)	
		ATIN (Child) 2	20	
		AKWAR (Grandchild) 3	, D	
	Uh	WAT OKENE (Other relative)	0	
		4	aoln	
		TITI (Specify)	wnloaded	
	-	NGAT OKENE APE WAT	d fro	
		(Other non-relative) .99	ă _	
115	What is your marital status now?	PE ONYOMERE (Never	Aman inyomere iya nyo pe inyomere? (What 1	18
	,	married)1	is your marital status now?)	
		ONYOMERE (Married)2	op Op	
		BEDO KARACEL(Living	, , , , , , , , , , , , , , , , , , ,	
		together) 3	<u>b</u>	
		OKWERE GINI OKO	I.com/	
		(Divorced)4	m/ c	
		OPOKERE GINI OKO	3 >	
		(Separated)5	ф г <u>і</u>	
		ICOO/DAKO TOO	on April 17, 20	
		(Widowed)6	20	
116	How long have you been/were you	DWETE (Months)	Ibedo wunu dong ame onwongo 4	
	married/living together for?		inyomere/bedo karacel pi kare arðm kwene?	
			(How long have you been/were yရွ်ပ	
			married/living together for?)	
		MWAKI (Years)	rrote	
117	(Are you/your spouse/partner	EE (Yes)1	Ceni yin/cegi/cwari/apae ni yac a ani? (Are	
	currently pregnant?)		you/your spouse/partner currently	
			pregnant?) oc ppyright.	

		PE (No)2	1-0	
		PE NGEO (Don't know)98	532	
118	How many children do you have?	Welotino (Number of children)	Itye kede otino adi? (How many children do you have?)	If `00' skip to122
119	How old is your youngest child?	Dwete (Months)	Atini me agiki dong tye mwaka ad (How old is your youngest child?)	
		Mwakki (Years)	20	
120	When do you want your next/first child? ENTER 99 IF RESPONDENT DOES NOT WANT ANY MORE CHILDREN /CHILDREN.	Dwete (Months)	Atini okene/me acaki itamo ni inywal awene? (When do you want your next/first child?) ENTER 99 IF RESPONDENT DOES NOT WANT ANY MORE CHILDREN /CHILDREN	
404		Mwakki (Years)	<u> </u>	
121	How many sons and daughters do you have, who currently live with you?	OTINO AWOBE I PACO (Sons at home)	Itye kede otino awobe kede anyira adi, ame aman tye abedo kedi? (How many sons and daughters do you have, who currently live with you?)	
		OTINO ANYIRA I PACO(Daughters at home)	an.bmj.	
122	How many other children, both male and female, aged less than 20 years old currently live with you?	OTINO AWOBE I PACO (Males at home)	Otinoadi, owobekedeanyira, amemwakagipekato 20 amantyeabedokedi? (How many other children, both male and female, aged less than 20 years old currently live with you?)	
		OTINO ANYIRA I	2024	
		PACO(Females at home)	nonek ni tve make tis a see kade men. Ka olek	

SECTION 2: NORMS AND ATTITUDES TOWARD GENDER ROLES: Apeny okene anonok ni tye mako tic a coo kede mon. Ka oloko ikom tic a coo kede mon, nwongo otye olok ikom tic ame atir atir opoko oko pi coo kede mon. Bed agen eka ite gammo apeny kede tek cuny, dok pet ye agama me tye ateni nyo ape tye ateni; magi ni ducu obedo ka tammi

(The next few questions are about gender roles. When we mention gender roles, we mean the specific roles design atted for men and women. Please be honest--your answers are confidential, and that there are no right or wrong answers; these are simply your opinions.)

		BMJ Open	136/b	1
			136/bmjopen-202	
201	I am now going to read more statements. After I read these statements please tell me if you AGREE or DISAGREE.	OYEE (AGREE)	Aman dong abino medde kede kwanno nyig lok okene. Ka atyeko kwanno nyig okene. Ka atyeko kwanno nyig okene ite koba ka IYEE nyo PE IYEE (I ank now going to read more statements. After I read these statements please tell me if you AGREE or DISAGREE.)	
	a) Only when a woman gives birth to a child is she a real woman.	PE OYEE (DISAGREE)	a) Dano a dako obedo dako kekeneka en onywalo atin (Only when a woman gives birth to a child is she a real woman.)	
	b) Only when a man has a child will he be a respected member of clan.	50	b) Oworo icoo itekere mere kenegi ka en onywalo atin (Only when a man has a child will he be a respected member of slan.)	
	c) Giving a bath and feeding kids arethe mother's responsibility.	Crr	c) Lwok okede miyo otino cem obedo tic a toto (Giving a bath and feeding ids arethe mother's responsibility.)	
	d) A woman's role is taking care of her home and family.	Chi	d) Tic a dako obedo beme gwokke paco kede joture (A woman's role is taking care of her home and family.)	
	e) Boys should have more free time than girls		e) awobe myero bed kede cawa gromo me lalataa kato anyira (Boys should have more free time than girls)	
	f) It is important for boys to get an education than girls.		f) Pire tek tutwal me otino awobenwongo pwonyere akato otino anyira icuktil (It is important for boys to get an education than girls.)	
	g)If there is a limited amount of money to pay for school fees, it should be spent on sons first.		g) Kacente me culu kwan tye anobok, myero otii kede me culli otino awobe kwan nam aacel (If there is a limited amount of money to pay for school fees, it should be spent on sons first.)	
	h)A man should have the final word about decisions in the home		h) Tam icoo myero dong bed tamane agiki I paco, dok myero lub (A man showld have the final word about decisions in the home.)	

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	_		N
	i)A woman should obey her		i) Dako myero wor cware iyore maro
	husband in all things.		ducu (A woman should obey her husband in
			all things.)
	j) A woman has a right to refuse sex.		j) Dako tye kede twero me kwero soko ribere
	_		kede icoo (A woman has a right to refuse
			sex.)
	k)Men are always ready to have		k) Coo bedo ame oyubere me ribere kede
	sex.)		dako ikare ducu (Men are always Ready to
			have sex.
SECTIO	ON 3. ATTITUDES TOWARDS GENDER AN	D GENDER-BASED VIOLENCE: Ar	mitto dong penyi apeny mogo anorok amako kit ame coo
	ion myero bed kede, kede gero i eria ma		<u>=</u>
	I now like to ask you a few questions abo		hehave and violence in this area
i would	Thow like to ask you a few questions abo	but now men and women should	d beliave and violence in this area.
301	After I read each statement please	OYEE (AGREE)	Ka atyeko kwanno nyig lok magi kong ite titta
	tell me if you AGREE, or DISAGREE.	0.12(1.00.12)	ka IYEE nyo PE IYEE After (I read each
	ten me ii you wenez, or biowenze.		statement please tell me if you AGREE, or
			DISAGREE).
		PE OYEE (DISAGREE)	9
	a) There are times when a woman		a) Tye kare ame myero dako myero opwod
	deserves to be beaten.		(There are times when a woman deserves to
	deserves to be beatern		be beaten.)
	b) Physically beating your children is		b) Pwodo otino ni obedo yore aber me miyo
	a good way to make them behave		gi bedo otino aber (Physically begting your
	a good way to make them behave		children is a good way to make them
			behave.)
	c) A woman should tolerate		c) Dako myero kanya kanya kadi gero tye pi
	violence to keep her family together		gwoko ture (A woman should tolekate
	violence to keep her family together		violence to keep her family together.)
	d) I believe it is important to use		d) Ayeng kede ni piretek me tic k@de yore
	non-violent ways of disciplining		okene ame pe obedo gero me pwenyo bulu.
	youth, instead of physical violence		(I believe it is important to use nog-violent
	youth, instead of physical violence		γ φ
			ways of disciplining youth, instead of physical
			violence.)

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			jopen-202	
	e) If someone insults a man, he should defend his reputation with force if he has to.		e)Ka ngatoro onywaro icoo, en myero doki ye kede gupunyo romo me gwok ko koo mere ka ame en myero tim amino (If comeone insults a man, he should defend has reputation with force if he has to.	
	f) A man using violence against his wife is a private matter that shouldn't be discussed outside the couple	6	f) Icoo ame tye atic kede gero ikom cege obedo kop me yiot ame pe myerookel oko. (A man using violence against his vife is a private matter that shouldn't be discussed outside the couple.) (A man using violence against his wife is a private matter that shouldn't be discussed outside the couple.)	
302	I am now going to read more statements. After I read these statements please respond with YES or NO. Do you think people in your community would try to do something to stop violence between a man and a woman if:	EE (YES)	Aman abino kwani nyig lok magi. Ka atyeko kwano nyig lok magi koba ka ni Egnyo PE. Itamo ni jo ikin paco ni onwongo kwero timo ginoro me juko gero ikin icoo kede dako teki ka: (I am now going to readmore statements. After I read these statements please respond with YES or NO.) by (Do you think people in your community would try to do something to stop violence between a man and a woman if:	
	a) A man is physically abusing his partner in their home.	PE (NO)	a) A Icoo tye apwodo cege I yipacegi. (A man is physically abusing his partner in their home.)	
	b) A man is physically abusing his partner in a public place.		b) Icoo tye apwodo cege ikim Iwak. (A man is physically abusing his partner in a public place.)	
	c) A woman is physically abusing her partner in their home		c) Dako tye apwodo cware iyi pacogi (A woman is physically abusing her partner in their hom	

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am now going to read more tatements. After I read these tatements please tell me if YES or NO any of these occurred in the last months. I advised a young person not to use violence against women.	EE (YES) PE (NO)	d) Dako tye apwodo cware ikim kak. (A woman is physically abusing her partner in a public place.) Atyeko kwanno ite koba ni EE nycepe ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.)
am now going to read more tatements. After I read these tatements please tell me if YES or I/O any of these occurred in the last months. I) I advised a young person not to se violence against women. I) I talked to a young person about		Atyeko kwanno ite koba ni EE nyo PE ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe to kede gero ikom dako (I advised a young person
tatements. After I read these tatements please tell me if YES or IO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about		Atyeko kwanno ite koba ni EE nyo PE ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe be kede gero ikom dako (I advised a young person
tatements. After I read these tatements please tell me if YES or IO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about		magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe bc kede gero ikom dako (I advised a young person
tatements please tell me if YES or NO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe to kede gero ikom dako (I advised a young person
NO any of these occurred in the last smonths. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe ge kede gero ikom dako (I advised a young person
months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe bc kede gero ikom dako (I advised a yoğna person
months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe dic kede gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe ec kede gero ikom dako <i>(I advised a young person</i>
use violence against women. b) I talked to a young person about	PE (NO)	gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	٥	gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	0	gero ikom dako (I advised a young person
o) I talked to a young person about		, , , , , , , , , , , , , , , , , , , ,
		not to use violence against women.)
		b) Aloko kede ngatoro atidi me petic kede
IOL USITIE VIOIETICE LO SOIVE		gero me cob bo rucurucu ikingi (<u>≇</u> talked to a
lisagreements.	h	young person about not using violence to
and the second s		solve disagreements)
) I advised a young person not to		c) Amio ngatoro atidi tam me pe tic kede
ise violence as a way to gain or		gero acalo yore me nyuti joni en kome tek
lemonstrate power over someone		nyo eteke lo nga toro okene. (I advised a
else.		young person not to use violence as a way to
		gain or demonstrate power over someone
		else.)
l) Lused non-violent means to		d) Atio kede yore okene ame pe opedo gero
		me cobbo peko me yiotwa. (I useð non-
·		violent means to resolve marital Roblems
		with my partner.)
SEXUAL AND REPRODUTIVE HEALTH	I NORMS: Amitta dan	
		9
w like ask vou about sexual and repr	roductive health and fa	amily planning.)
	,	Abino kwanni nyig lok okene amago yotkom
• •	(/	a mon. Ka atyeko kwanni ite titta ka IYEE nyo
		PE IYEE (I am going to read somestatements
·		about women's health. After I regd each
COREC OF DISTOREE.		about women stream. After the gold cuch
l) e	I used non-violent means to esolve marital problems with my artner. SEXUAL AND REPRODUTIVE HEALTI	I used non-violent means to esolve marital problems with my artner. SEXUAL AND REPRODUTIVE HEALTH NORMS: Amitto don to like ask you about sexual and reproductive health and farm going to read some statements bout women's health. After I read each statement please tell me if you

			02
			statement please tell me if you AGREE or
			DISAGREE.) Sã
			, 20 20 20 20 20
			on :
		PE (NO)	8
	a) It is safe for adolescent girls to		a) Anyira atye apong twero tic kege yen lago
	use contraceptives.		nywal abongo peko moro keken.
			for adolescent girls to use contraceptives.)
	b) Girls who carry condoms are		b) Anyira ame woto kede kondongnwongo
	promiscuous.		wanggi tar (obedo olaya). (Girls vho carry
		4	condoms are promiscuous.) $\frac{1}{8}$
-	c) A man and a woman should		c) Icoo kede dako myero mok tanggi karacel
	decide together what type of		ikom yat lago nywal ame gin myego tikede.
	contraceptive to use.		(A man and a woman should decide together
	·		what type of contraceptive to use
	d) An ideal married couple will		d) Jo onyomere ikoko me bino nywallo atingi
	produce a child in the first year of	· (Q)	me acel ikine me mwaka me ace tame gin
	marriage.		onyomere kede (An ideal married couple will
			produce a child in the first year of
			marriage.)
	e) Providing sexual and		e) Pwonyo otino atye adongo kede loka
	reproductive health services to		mako yot kom akwa koribere ikin [⊋] coo kede
	adolescents leads to promiscuity.		dako karacel kede nywal pwonyo dikede tar
			wang (Providing sexual and reproductive
			health services to adolescents leads to
			promiscuity.)
	f) Family planning methods should		f) Pemyeroomii yen me lagonyw ⊋ bot
	not be given to unmarried		joatyeadongoadongaamepwodp⊞nyomere
	adolescents.		(Family planning methods should 40t be
			given to unmarried adolescents) ਤ
08	During the last six months have you	ee (YES)	I dwete abicel okato angec, iyen py yore
	sought a family planning method?		moro me lagoro nywal? During the last six
			months have you sought a family alanning
	1	İ	method?

		pe (N0)	1-05	411
409	Where did you go to seek the	bot dakatal me kin paco (VHT)	iwoto iyenyo yore me lagoro I kwene?	
	family planning method?		Where did you go to seek the fam ily	
			planning method?	
		I kilinik a ngatoro (Private	Ma	
		clinic / Drug shop)	arch	
		I dakatal (Health Center)	2022	
	1	Marie Stopes Uganda	2. Do	
		en okene (Other)	vnloa	
		kob mene (Specify)	de ed f	
		90,	om h	
410	Did you receive the family planning	ee (YES)	ibin inwongngo yore me lagoro nywal ame	
	method you wanted from the		onwongngo itye imito? Did you seceive the	
	provider?		family planning method you wanted from	
			the provider?	
		pe (NO)	bmj.	
			COOT	

SECTION 5: COMMUNICATION AND COMMUNITY MOBILIZATION

SECTION 5: COMMUNICATION AND COMMUNITY MOBILIZATION

Apeny okene nit ye ikom rweyo lwak kede leyo lok ikin lwak. Bed agen – agam ni ducu tye me imung, dok poyo nip e tye agama me tye ateteni nyo ape tye ateteni; magi obedo ka tami

(The next few questions are about community mobilization and communication. Please be honest--your answers are confidential, and remember, there are no right or wrong answers; these are simply your opinions)

			Ž
501	(I am now going to read more	EE (YES)	Apeny okene nit ye ikom rweyo l\eargegak kede
	statements. After I read these		leyo lok ikin lwak. Bed agen – aga∰n ni ducu
	statements please tell me if YES or		tye me imung, dok poyo nip e tye⊋agama me
	NO, these have occurred in the past		tye ateteni nyo ape tye ateteni; nagigi obedo
	THREE months).		ka tami ğ
			бу
			C

kede ngatoro atitidi amako ber a kede mon ducu arorom al have a young person about the ce of treating men and women kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede mon ducu arorom a young person about the ce of treating men and women kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
kede nyako nyo awobi moro ikom a ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
kede nyako nyo awobi moro ikom a ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amakawat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amakawat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini
ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
miti me yac (I helped a goung no wanted to avoid getting
no wanted to avoid getting
- 0-
- 8
p e
itin tam me wot lok kede ngatoro
en geno man ka ngatoro omamako
oro ame pe yomo yi gi (ဋិadvised a
lk to an adult they truststf someone
nem in a way that make them feel
table)
ede ngatoro atidi ikom giħ ame
e bedo icoo nyo dako an e oworo I
va (I have spoken to a 🏚 ung
out what it means to bea
<u>-</u>
man or woman in our @Iture.)
man or woman in our ঞ্জ ture.)
man or woman in our @Iture.) Pool Pool Ode
)

3		BMJ Open	136/bmj
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601	Please tell me if you AGREE or	OYEE (AGREE)	Kong itita ka IYEE nyo PE IYEE kede nyig lok
	DISAGREE with the following		magi: (Please tell me if you AGRE For
	statements:		DISAGREE with the following statements)
		PE OYEE (DISAGREE)	On On
	a) Drinking to the point of getting		a) Matokongo naka imerobedo y <u>o</u> re
	drunk is an acceptable way to relax		acelameoyee me weo (Drinking to the
			point of getting drunk is an acceptable way
			to relax)
	b) (Drinking alcohol makes		b) Mato kongo mio jo timo jami mogo ame
	people do things they might regret		otwero paro icen kede dang balo ot kom gi
	and hurt their health)		oko (Drinking alcohol makes peope do things
			they might regret and hurt their hall alth)
	c) (Drinking alcohol is an		c) Mato kong obedo anyut me teြန်စ် a dano
	indication of a man's physical	\ 0.	icoo, kanyo jami kede gupu me ri B er ekede
	strength, endurance and sexual		dako (Drinking alcohol is an indication of a
	prowess)	' /-	man's physical strength, endurange and
		70 ,	sexual prowess) 3.
602	I am now going to read some	EE (YES)	Aman abino kwanni nyig lok mog <mark>@</mark> . Ka atyeko
	statements. After I read these		kwanno nyig lok magi kong ite koga ni EE nyo
	statements please tell me if YES or		PE ka jami magi otimere ikine megdwete
	NO if these have occurred in the		adek okato (I am now going to read some
	past three months		statements. After I read these stagements
			please tell me if YES or NO if these€have
			occurred in the past three months
		PE (NO)	7, 2
	a) I helped someone not drink to		a) Akonyo ngatoro pe me matto Rongo naka
	the point of getting drunk.		te mere (I helped someone not drughk to the
			point of getting drunk). မူ
	b) Participated in an activity to		b) Abedo itutte me ddwokko pinggrwom me
	decrease alcohol consumption in		matto kongo I kin paco na I (Participated in
	my community		an activity to decrease alcohol consumption
			in my community) টু

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	c) I discussed with a young person		c) Aleo kede ngatoro atidi jami areco ame	
	about the possible risks of drinking		twero nen ka imato kongo (I discussed with	
	alcohol		a young person about the possibl&risks of	
			drinking alcohol) 9	
	N 7: EXPOSURE TO INTERVENTION		22	
Apwoyd	tutwal. Otye dong owot bala otyeko oko	o. Aman, amitto penyi lok amako	gi rabbo ngec apol apapat kede kwana ame ibi	in ibedo winyo
acocoki			ch 2	
	· · · · · · · · · · · · · · · · · · ·	d like to ask you questions about	different types of media and messages you ma	ıy have been
•	to recently.)	T	······································	
701.	How often do you listen to the	NINO NINO (ALMOST EVERY	Imaro winyo redio pi kare arom kwene?	
	radio?(READ THE OPTION OUT	DAY)	(How often do you listen to the ræ	
	LOUD)		(KWAN GIN MAN ALONGO (READ THE	
	•	ICEL I CARIT ACEL VAT I FACT	OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST	om h	
		ONCE A WEEK) ICEL ICEL I DWE ACEL (AT	 	
		LEAST ONCE A MONTH)	o://bmja	
				705
		PE KOM ATWAL (NOT AT	pen.	705
702.	What radio stations do you usually	ALL) MEGA FM	Citecen mene ame imaro winyo? (What	
702.	listen to? (MULTIPLE RESPONSES	WEGA FW	radio stations do you usually listen to?	
	POSSIBLE)		(AGAM APOL TWERE)	
	1 OSSIBLE)	CHOICE FM		
		RADIO LIRA	Aprili 17,	
		VOICE OF LANGO FM	2024	
		OKENE MAPAT (OTHER)	24	
		TITI (SPECIFY)	b <u>y</u>	
		IIII (SI LCII I)	gues	
703.	In the last 3 months, have you heard	EE(YES)	I kine me dwete 3, kong iwinyo ஹ்ruguram	
	any radio broadcasts on the		moro ame otye aleyo iye lok maह्वाँ:	
	following:		(In the last 3 months, have you heard any	
			radio broadcasts on the following∰	

3		BMJ Open	136/bm	
			136/bmjopen-202	
		PE(NO)	27-0	
		PE POYO(DON'T KNOW)	5 320	
	a) How ideal men and women should behave)		a) Kit ame coo kede mon myero bed kede (How ideal men and women shoul) behave)	
	c) Romantic feelings or relationships)		c) Miti nyo wat ikin coo kede mon (Romantic feelings or relationships)	
	d) Young people using family planning methods to prevent pregnancy	500	d) Jo atino atye atic kede yore me lago nywal me gengo yac (Young people using family planning methods to prevent pregnancy)	
	e) Men and women making decisions together in the home	6/	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making decisions together in the home)	
	g) Role of boys and girls in the home		g) Tic owobe kede onyira i kin paci (Role of boys and girls in the home)	
	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marriage 2/2 ntil they are 18)	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore medago nywal me diro kare me nywallo atin gi ekene (Young parents using family planging methods to delay the birth of the next child)	Skip to 705 If NO for all
	j) Girls staying in school)		j) Onyira ame tye I cukul (Girls staying in school)	

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704	What was the name of the	COO PINY (SPECIFY)	nying puruguram man onwongo gbedo ngo?	706 if
	program?		(What was the name of the program?)	Oteka
			03	mentioned
705	Have you ever listened to a radio		anaka ni kong iwinyo purugurammoro me	
	drama called Oteka? PROBE DAY	KAKARE (YES)	tuku goga I redio ame olwongo ng Oteka?	
	AND TIME OF PROGRAM.		Have you ever listened to a radio ब्र्वेनवान	
			called Oteka? PROBE DAY AND TIME OF	
			PROGRAM.	
	0,	KUU (NO)	Down	718
706	On what radio station did you hear	MEGA FM	iwinyo puruguram me Oteka I realio mene?	
	Oteka?		On what radio station did you hear Oteka?	
		CHOICE FM	rom h	
		RADIO LIRA	ltp://b	
		VOICE OF LANGO FM	njope	
		UNITY FM	n.bm	
		MUKENE MAPAT (OTHER)	j.com	
		COO PINY (SPECIFY)	on ,	
707	In the last 6 months, how often	EVERY WEEK	। dwete abicel okato angec, iwinर्फू Oteka	
	have you listened to Oteka?		tye adii? In the last 6 months, how often	
			have you listened to Oteka?	
		MOST WEEKS)24 by	
		OCCASIONALLY	guesi	

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708	When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS.	cawa ame otuku I yee pe tye aber (Time of broadcast is not convenient)	ka pe iwinyo Oteka, nwongngo ngo omio pe iwinyo? When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS.
	MARK ALL RESPONSE OPTIONS MENTIONED.		MARK ALL RESPONSE OPTIONS M€NTIONED.
	WENTIONES.	wia wil oko (I forget)	Ñ
		jo okene en aye moko tam ikom winyo redio (Other people decide on radio use)	Downloaded
		radio na pe tye (Don't have own radio)	from h
		batri pe tye (No batteries)	ttp://t
		tama pe iye (Not interested)	m _j op
709	Where do you usually listen to this program?	paco (HOME)	puruguram man imari winyo ikwene? (Where do you usually listen to the program?)
		I cukul (SCHOOL)	on
		kanica (CHURCH)	April
		ite gurup (PLATFORM GROUP OR CLUB)	17, 2024
		I poto (FARM)	by
		en okene (OTHER)	guest
		COO PINY (SPECIFY)	•
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		BMJ Open	136/br	Pa
			136/bmjopen-202	
710	Which character is most like you? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR	OKIDI	nga ame inwongo ni tye bala yin puruguram man? (Which charcater is most like you?) SHOW CARDS WITH CHERACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER	
	DESCRIPTIONS, IF NEEDED.	NYERO	SUMMARY FOR DESCRIPTIONS, IF SEEDED.	
	^O _b	KOMAKETCH ORACH	22. Down	
		MUKENE MAPAT (Other)	nloaded	
	*	COO PINY (SPECIFY)	from	
711	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro aloo I tuku goga no? (Which character do you most admire in the drama?) SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		AKETCH	on	
		KOMAKETCH	April 1	
		ORACH	7, 20	
		MUKENE MAPAT (Other)	2024 B	
		COO PINY (SPECIFY)	by gu	
			guest. Protected by copyright.	

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			IN IN
712	Which character do you most	OKIDI	nga ituku man ame dong cunyi pத் maro
	dislike? SHOW CARDS WITH		aloo? NYUT KAD AME TYE KEDE N ING
	CHARACTER NAMES AND HAVE		OTUKU APAPAT. MI AGAM APEN EME YERO
	RESPONDENT SELECT 1 CHARACTER.		NYING ACEL. Which character do you most
	REFER TO CHARACTER SUMMARY		dislike? SHOW CARDS WITH CHARACTER
	FOR DESCRIPTIONS, IF NEEDED.		NAMES AND HAVE RESPONDENT €ELECT 1
			CHARACTER. REFER TO CHARACTER
			SUMMARY FOR DESCRIPTIONS, INNEEDED.
		NYERO	, N
			D
		KOMAKETCH	wnlo
		ORACH	aded
		MUKENE MAPAT (Other)	from
		COO PINY (SPECIFY)	http:
713	What were the main topics	mara (LOVE)	kodi wii kop ango ame obedo levo I
/13	discussed on Oteka?	mara (LOVL)	puruguram man? (What were the main
	PROMPT: What other topics? UNTIL		topics discussed on Oteka?) UNTIL
	RESPONDENT INDICATES NO MORE		RESPONDENT INDICATES NO MORE TOPICS.
	TOPICS.		RESPONDENT INDICATES NO IVIORE TOPICS.
	TOPICS.		MARK ALL RESPONSE OPTIONS MENTIONED.
	MARK ALL RECRONICE ORTIONS		WARK ALL RESPONSE OPTIONS IN TIONED.
	MARK ALL RESPONSE OPTIONS		April
	MENTIONED.		
		wat ikin coo kede mon	7
		(RELATIONSHIPS BETWEEN	202
		MEN AND WOMEN)	7, 2024 by guest
		kwan anyira (GIRLS) g
		EDUCATION)	Jess
		wat ikin onywal kede otino gi	<u> </u>
		(RELATIONSHIPS BETWEEN	rote
		CHILDREN AND PARENTS)	Protected
		gum me kwan pi jo atino	
		(EDUCATIONAL	by copyright
	l	-	<u> </u>
			r <u>i</u> Θ

		BMJ Open	1136/bm	i
			136/bmjopen-2021-053203 on	
		OPPORTUNITIES FOR YOUNG	71-0	
		PEOPLE)	532	
		lara lobo (LAND CONFLICTS)	03 0	
		en okene (Other)	⇒ 22 22 ₹	
		COO PINY (SPECIFY)	Marc	
714	Have you talked to others about		iloko kede ngotoro keken ikom kep ame	
	these topics you heard on Oteka?	ee (YES)	iwinyo I puruguram man I redio? (Have you	
			talked to others about these	
			topics/topics you heard on oTEK බි	
		pe (NO)	aded.	716
715	With whom did you talk about	papa (Father)	nga ame iloko kede ikom kop ame iwinyo l	
	these topics?		puruguram man? (With whon did you	
			discuss these topics?) MARK ALL RESPONSE	
	MARK ALL RESPONSE OPTIONS MENTIONED	(0).	OPTIONS MENTIONED	
		kwaro (Father-in-law)	n.bmj	
		mama (Mother)	nj.com/	
		atat (Mother-in-law)		
		Brother or sister	on April 17	
		wat okene (other relative)	17, 20	
		alwak (PEER)	, 2024 by	
		jo me gurup (GROUP MEMBERS)	guest.	
		en okene (Other)	Prote	
		COO PINY (SPECIFY)	Protected by co	
		1		1

1		BMJ Open	136/bmjopen-	
			ppen-202	
716	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kedeawur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from those activities?)	
		pe (NO)	arch ;	718
717	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omii miवि? (What surprised or interested you)	
718	Do you belong to any community or school group(s)?	ee (YES)	itye i gurup i kin paco onyo i cukਜੈ? (Do you belong to any community group?) ਹੈ	
		pe (NO)	Th http	724
719	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwan i yore-iyore: (Which community group do you Belong to? READ DOWN LIST)	
		pe (NO)	bmj.c	
	a)Religious organization		a) gurup me dini (Religious organization)	
	b) Village savings and loan group		b) Gurup me bol icap (Village savings and loan group) 7	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab pa bulu less: (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other)	

		BMJ Open	136/br	
			f) COO piny (SPECIFY)	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
720	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adii? How often does your group meet?	
		dwete aryo icel (EVERY TWO WEEKS)	22 March	
		dwe acel icel (ONCE A MONTH)	ch 2022	
		icel-icel (OCCASIONALLY)	• •	
		en okene (Other)	en okene (Other)	
		COO PINY (SPECIFY)	COO PINY (SPECIFY)	
721	Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiti? (NYUTCAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?)	
		pe (NO)	j.com/ on	724
722	Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	ibedo atye itic'oro keken ame otio kede kad me tuku? ,7 (Did you participate in an activity) sing these cards and games?)	
		pe (NO)	/ guest	724
			d. Protected by copyright.	•

			36/bmjopen-20	
723	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	icel (ONCE)	tyen adii ame ibedo iti ame otio kede kad karacel kede tuku? (KWAN NYIG KOK AME OCOO PINY) (How often have you participated an activity using these cards and games?)	
	READ OPTIONS OUT LOUD.	icel-icel (OCCASSIONALLY)	March 202	
		kare-ikare (OFTEN)	22.	
724	Have you ever participated in an activity that used this material? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	ee (YES)	anaka ibedo i tic ame otio kede sini? (Nyut kad pi dul tic apapat. Wek agam apeny yer en ame en otio kede, eka ite gweto apeny yer en ame oyero kede PEE pi tic ame peroyero) (Which activities or games have you used/participated in ? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	
		pe (NO)	n on	
	a) Board Game		April	
	b) Activity Card		17,	
	c) Boys flipbook		2024	
	d) Girls flipbook		n6 Åq	
	e) Radio Discussion Guide		guest. Protected by copyright	726 if NO to all

		BMJ Open	36/b	
			mjop	
			136/bmjopen-20	
725	How often did you use each of the	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyero ni, itioked gi pi	
	materials you selected? REFER TO		kare arom kwene? (TII KEDE KAD AME	
	CARDS SELECTED IN 725 & MARK		OYERO I 725 ITE GWETO PI EN ANŒ	
	RESPONSES FOR ONLY THOSE		ONWONGO OYERO KEKEN)How &ften did	
	PREVIOUSLY SELECTED		you use each of the materials youselected?	
			REFER TO CARDS SELECTED IN 72 & MARK	
			RESPONSES FOR ONLY THOSE PREVIOUSLY	
			SELECTED 8	
		I kare okene (EVERY OTHER	22.	
		SESSION)	Dow	
		I cel-icel (A FEW SESSIONS)	nloa	
		icel (ONCE)	ad ed.	
		icer (ONCL)	<u> </u>	
	a) Board Game	(0)	om ht	
	b) Activity Card		tp://bi	
	c) Boys flipbook	(0)	mjope	
	d) Girls flipbook		en.br	
	e) Radio Discussion Guide		J. com	
726	In the last 3 months, have you	ee (YES)	idwete adek okato ni, i laro wun@lok magi i	
	discussed any of the following in		gurup wu?	
	these groups		(In the last 3 months, have you discussed any	
			of the following in these groups: $\int_{-\infty}^{\infty}$	
		pe (NO)	2024	
		pe poyo (DON'T REMEMBER)	by gu	
	a) How ideal men and women		a) kit ame coo kede mon myero sed kede?	
	should behave		(How ideal men and women should behave)	
	b) Physical, emotional or social		b) Aloka loka ame bedo ikom, I cany, onyo	
	changes during adolescence		ikite me kwo ikare me tego? (Phosical,	
			by	
			capyright.	

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			emotional or social changes during adolescence)
	c) Romantic feelings or relationships		c) cuny me mit kede winyere me mit ikin icoo kede dako? (Romantic feelings or relationships)
	d) Young people using family planning methods to prevent pregnancy		d) onywal atino myero tii kede yore me lagoro nywal me gengo yac people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home	500	e) coo kede mon moko tam gi karacel I ot (Men and women making decisions together in the home)
	f) Teasing, bullying or violence between boys and girls or men and women	TO, TO,	f) yelo anyira, bura onyoo lweny kin owobe kede anyira, onyo ikin coo kede mon (Teasing, bullying or violence between boys and girls or men and women)
	g) Role of boys and girls in the home		g) Tic pa owobe kede anyira I paeo (Role of boys and girls in the home)
	h) Young people delaying marriage until they are 18		h) awobe kede anyira galo nyongere naka ka oromo gini mwaka 18 (Young geople delaying marriage until they are 18)
	i) Young parents using family planning methods to delay the birth of their next child)		i) onywal atino myero tii kede yoze me lagoro nywal me rii kede nywalo-atin okene (Young parents using family planting methods to delay the birth of thein next child)
	j) Girls staying in school		j) otino anyira mede kede kwan Lutino anyira mede ki kwan (Girls staying in school)
727	Was there anything that especially surprised or interested you from those activities/ discusions?	ee (YES)	onyo ginoro oweki kede wur , onyo miti iyonge tic wu no? (Was there anything that especially surprised

		BMJ Open	1136/bmjo	
			pen-202	
			or interested you from those acticvities/discusions)	
		pe (NO)	22 22	729
728	What surprised or interested you?	COO PINY (SPECIFY)	ngo ame oweki kede wur onyo oweki kede miti?	
729	Did you discuss these topics with other people after playing these activities?	ee (YES)	ileyo tam man kede jo okene oyonge tuku tic man? (Did you discuss these tepics with other people after playing these activities?)	
		pe (NO)	d from	731
730	With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS	toto (MOTHER)	ileo tam magi kede nga? (With whom did you discuss these topics?)	
	MENTIONED	papo (FATHER)	m.com	
		omege kede amege (SIBLINGS)	on April	
		oor (IN-LAWS)	ril 17	
		jo me paco okene (OTHER FAMILY MEMBERS)	2024	
		olwagi (PEER)	by gu	
		jo me gurp (GROUP MEMBERS)	guest. Pro	
		en okene (Other)	otecte	
		COO PINY (SPECIFY)	Protected by co	
	•	•	co	·

a) How ideal should behave changes duri	men and women	ee (YES) pe (NO) Wie pe poyo (DON'T REMEMBER)	i dwete adek ame okato ni,atela moro me dini nho me kin paco oloko ikediškom kop magi? (In the last 3 months, have any religious/community leaders (identify by name) ever talked about these tomics?)
a) How ideal should behave changes duri	nmunity leaders name) ever talked about	pe (NO) Wie pe poyo (DON'T	dini nho me kin paco oloko ikedi kom kop magi? (In the last 3 months, have any Sereligious/community leaders (identify by name) ever talked about these tomics?)
a) How ideal should behave changes duri	men and women	Wie pe poyo (DON'T	magi? (In the last 3 months, have any Second religious/community leaders (identify by name) ever talked about these to second s
a) How ideal should behave b) Physical, e changes duri	men and women	Wie pe poyo (DON'T	(In the last 3 months, have any S religious/community leaders (identify by name) ever talked about these topics?)
a) How ideal should behave b) Physical, e changes duri	men and women	Wie pe poyo (DON'T	religious/community leaders (ide if if y by name) ever talked about these to its control is to its control in the interest of the interest of its control in the interest of its control i
b) Physical, e changes duri		Wie pe poyo (DON'T	name) ever talked about these tobics?)
b) Physical, e changes duri		Wie pe poyo (DON'T	rch 2022. Da
b) Physical, e changes duri		Wie pe poyo (DON'T	2022. Da
b) Physical, e changes duri			22. Da
b) Physical, e changes duri		REMEMBER)	Q
b) Physical, e changes duri			
b) Physical, e changes duri c) Romantic j d) The way n	<i>,</i> E		a)kit ame coo kede mon myero bed kede (How ideal men and women should behave)
changes duri		O_{A}	(Now Ideal men and women should behave)
changes duri	emotional or social	60	b) Aloka loka ame bedo ikom, icuny, onyo
d) The way n	ng adolescence)		ikit me kwo ikare me tego (Physical,
d) The way n			emotional or social changes during
d) The way n			adolescence)
	feelings or relationships		c) cuny me mit onyo wat ikin cockede mon
			(Romantic feelings or relationships)
			ice
nowor	nen and women use		d)kit ame cooo kede mon tiyo kede teko
power			kede twero
			(The way men and women use positiver)
	ullying or violence		e) tukku, bura onyo gero ikin awobe kede
-	s and girls or men and		anyira onyo ikin coo kede mon. 20
women			(Teasing, bullying or violence between boys and girls or men and women)
			and giris or men and women)
732 In the last 3 i	months, have you	ee (YES)	ikin dwete adek ame okato inge@ibedo i
	in any activity to	(123)	ticoro keken me yubu kin paco wa?
· ·	r community?		(In the last 3 months, have you participated
	•		in any activity to improve your community?

		BMJ Open	36/br	
			36/bmjopen-2021-05	
		pe (NO)	21-05	734
733	What activity did you participate in to improve your community?	COO PINY (SPECIFY)	tic ango ame ibedo itiyo me yub kin paco wu? (What activity did you participate in to improve your community?)	
734	Have you heard of a group in this community called CAG?	EE (YES)	lwinyu nying gurup moro ame oligongo ni CAG ikin paco kan? (Have you heard of a group in this community called CAG?) □	
		PE (NO)	wnlo	737
735	Have you ever participated in an activity organized by this group?	EE (YES)	ibedo iyuba me ticoro ame gurukman en oyiko? (Have you ever participated in anactivity organized by this group?)	
		PE (NO)	://bm	737
736	What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	COMMUNITY SENSITIZATION	tic ango ame ibedo iye? COO AGAM DUCU What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	
		FIRE PLACE CHAT(WANG-00)	No my	
		HOME VISIT	on A	
		SUPPORT TO A YOUTH GROUP	April 17	
		EN OKENE (Other)	7, 2024	
		COO PINY (SPECIFY)	£4 by	
737	In the last 3 months, have you talked with a village health team member or health provider?	EE (Yes)	I dwete adek okato angec, iloko kede dakatal me kin paco (VHT) onyo aticoro me yot kom? (In the last 3 months, have you talked with a village health team member or other health care provider?)	
		PE (No)	y copyright	748

		BMJ Open	136/bmjopen-2021-053203
			en-202
738	With whom did you talk?	naci (NURSE)	21-053
		acola (MIDWIFE)	8203
		atic me dakatal (MEDICAL OFFICER)	on 22 l
		dakatal me kin paco (VHT)	March 2022
		en okene (OTHER)	2022
		kob mene (SPECIFY)	. Dow
739	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? POSSIBLE OPTIONS AND CHECK ABL THAT APPLY
		paco atic me yotkom (H/provider's home)	http://l
		paco na (My home)	əmjopen.br
		I cukul (school)	an.br
		ka gure a bulu (YOUTH CENTER)	nj.com
		MARIE STOPES	on A
		pe ngeo/ pe poyo (DK/Don't remember)	on April 17
		pe ogamo (No response)	, 2024
		en okene (Other)	by guest.
		COO PINY (specify)	Jest. F
			Protected
	•		. Hed

		BMJ Open	136/bm	I
			136/bmjopen-20:	
740	What did you talk about? (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wun kede atic me yotkom? What did you talk to the health provider about? (MARK ALL OPTIONS MENTIONED)	
	(a) Sexually transmitted infection	pe (NO)	(a) twoe ame kobo ibutu (Sexually transmitted infection)	
	(b) Family planning		(b) lagoro nywal (kalo kin nywal) (Family planning)	
	(c) Immunizations			
	(d) injury	6	(c) agwera (Immunizations) (d) Awano (injury) (e) Lit kom (illness)	
	(e) illness	70	(e) Lit kom (illness)	
	ALCOHOL	0	kongo (ALCOHOL)	
	SAFETY	1/6	bedo aber (SAFETY)	
	EARLY MARRIAGE	6/	nyomere con (EARLY MARRIAGE)	
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENCE	
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)	-
	PUBERTY		dongngo doko ngat otego (PUBERTY)	
	MUKENE MAPAT (Other)		en okene (Other)	
	COO PINY (SPECIFY)		COO PINY (SPECIFY)	
741	Did you get the information/help you wanted?	EE (YES)	ibin inwongngo ngec onyo kony ame onwongngo itye imoto? Did you get the information/help you wanted?	
		PE (NO)	Information/help you wanted?	
		Idyere-dyere (PARTIARLY	fed by	

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742	Did the manides sefer you far ather	EE (VEC)	nest and invote hete ship is well bet nest	
742	Did the provider refer you for other	EE (YES)	ngat ame iwoto bote obin icwali bot ngat	
	services?		okene ame twero miyi kony ame	
			onwongngo itye imito? Did the pavider	
			refer you for other services?	
		PE (NO)	7	744
743	What kind of services did the	COO PINY (SPECIFY)	kodi kony ango ame dano no ocuzali me wot	
	provider refer you for?		nwongngo? What kind of service हुँ did the	
			provider refer you for?	
	Administer to only those who talked	to the VHT in Qn 638	;*	
	06		Dow	
	Now, we are going to talk about you	ur visit to the VHT in the last t	hree months, Please tell me if you agree or	
	disagree with these statements.		, gde	
744	During my last visit with the VHT,	yee (AGREE)	atic me yotkom oloko keda kedeworo	
	she or he treated me with respect		(During my last visit with the VHT) she or he	
	·		treated me with respect)	
		pe yee (DISAGREE)	, , , , , , , , , , , , , , , , , , , ,	
745	(During my last visit with the VHT,	YEE (AGREE)	awinyo bala lok ame alokko kede atic me	
743	she or he treated me with respect)	TEE (AGREE)	yotkom obedo imung ikin wan okede.	
	sile of the treated the with respect,		(During my last visit with the VHT she or he	
		•	treated me with respect)	
		PE YEE (DISAGREE)	3	
746	Declarate leaf 12th 15th as	, ,	Illian and Allian in the Land	
746	During my last visit, I felt my	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok ame	
	conversation with the VHT was		alokko kede atic me yotkom obedo imung	
	private		ikin wan okede.During my last visit, I felt my	
		(5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.	conversation with the VHT was private)	
		PE YEE (DISAGREE)	4; 0	
747	I am confident that the VHT will not	YEE (AGREE)	atye kede tek cuny ni dakatal mekkin paco	
	tell others about my conversation,		pe akobi jo okene kop ame wan စ္ကြါeo kede,	
	during my last		Ilimo na me agiki (I am confident that the	
			VHT will not tell others about mygੱ	
			conversation, during my last) ဋ	
		PEE YEE (DISAGREE)	conversation, during my last) දී වී	
			<u> </u>	

		BMJ Open	itio kede cim? (Do you use a mobile phone?)	
			en-2021	
748	Do you use a mobile phone?	EE (YES)	itio kede cim? (Do you use a mobile phone?)	
		PEE (NO)	o n	END
749	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANGO? (What type of phone do you use?)	
		(FEATURE PHONE)	_	
		(SMART PHONE)	2022.	
1	(),	MUKENE MAPAT (Other)	Ow	
		COO PINY (SPECIFY)	nloa	
750	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga? (Who owns the mobile phone?)	
		toto (MOTHER)	, , ,	
		papo (FATHER)	http://l	
		omego na kede amege na (SIBLINGS)	/bmjope	
		oor (IN-LAWS)	n.bm	
		jo okene me paco (OTHER FAMILY MEMBERS)	.com/ on	
		olwagi (PEER)	O _A Apri	
		jo me gurup (GROUP MEMBERS)	1 17, 2024	
		en okene (Other)		
		kob mene (SPECIFY)	py yu	
751	Do you have your own SIM card?	EE (YES)	itye kede kad me cim?	
		PE (NO)	(Do you have your own SIM card?)	
			by cop	

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752	What do you use your mobile phone for? PROBE: What else until respondent indicates no further uses. MARK ALL RESPONSES MENTIONED.	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your mobile phone for?)	
		me gamo ka jo ogoo (RECEIVE PHONE CALLS)	March	
	70/	Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	2022. Downloaded from http://bmjopen.bmj.com	
		Yenyo ngec iyii intanet (ACCESS THE INTERNET)	aded fit	
		Mako cal me video (TAKE PHOTO OR VIDEOS)	om http	
		Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	o://bmjopen.b	
		Me bedo I facebuk (ACCESS FACEBOOK)	mj.com	
		Me tuku (PLAY GAMES)	on Ar	
		me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	pril 17, 2024 b	
		Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)	y guest. P	
			on April 17, 2024 by guest. Protected by copyright.	

		BMJ Open	1.136/bm	
			open-202	
		Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	136/bmJopen-2021-053203 on 22 March 2022.	
	- Co.	Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)		
		Me kwanno balo me yimail (ACCESS EMAIL)	Downloaded from	
		Tic kede twita (USE TWITTER) Pe Ngeo (DON'T KNOW)	·	
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		Reporting Item	Page Number	
Title and abstract				
Title	<u>#1a</u>	Indicate the study's design with a commonly used term in the title or the abstract	2	
Abstract	<u>#1b</u>	Provide in the abstract an informative and balanced summary of what was done and what was found	2	
Introduction				
Background / rationale	<u>#2</u>	Explain the scientific background and rationale for the investigation being reported	4	
Objectives	<u>#3</u>	State specific objectives, including any prespecified hypotheses	6	
Methods				
Study design	<u>#4</u>	Present key elements of study design early in the paper	6	

Setting	<u>#5</u>	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	6
Eligibility criteria	<u>#6a</u>	Give the eligibility criteria, and the sources and methods of selection of participants.	6
	<u>#7</u>	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	7
Data sources / measurement	<u>#8</u>	For each variable of interest give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group. Give information separately for for exposed and unexposed groups if applicable.	6
Bias	<u>#9</u>	Describe any efforts to address potential sources of bias	8
Study size	<u>#10</u>	Explain how the study size was arrived at	6
Quantitative variables	<u>#11</u>	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen, and why	7
Statistical methods	<u>#12a</u>	Describe all statistical methods, including those used to control for confounding	8
Statistical methods	#12b	Describe any methods used to examine subgroups and interactions	8
Statistical methods	<u>#12c</u>	Explain how missing data were addressed	n/a - complete case analysis conducted
Statistical methods	#12d	If applicable, describe analytical methods taking account of sampling strategy	9
Statistical methods	<u>#12e</u>	Describe any sensitivity analyses	n/a - this was not conducted
Results			

Participants	<u>#13a</u>	Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed. Give information separately for for exposed and unexposed groups if applicable.	Table 1
Participants	<u>#13b</u>	Give reasons for non-participation at each stage	6
Participants	<u>#13c</u>	Consider use of a flow diagram	n/a - not necessary
Descriptive data	<u>#14a</u>	Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders. Give information separately for exposed and unexposed groups if applicable.	Table 3
Descriptive data	#14b	Indicate number of participants with missing data for each variable of interest	n/a - complete case analysis conducted
Outcome data	<u>#15</u>	Report numbers of outcome events or summary measures. Give information separately for exposed and unexposed groups if applicable.	Table 3
Main results	<u>#16a</u>	Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	Tables 5-7
Main results	#16b	Report category boundaries when continuous variables were categorized	7
Main results	<u>#16c</u>	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	n/a
Other analyses	<u>#17</u>	Report other analyses done—e.g., analyses of subgroups and interactions, and sensitivity analyses	n/a
Discussion			
Key results	<u>#18</u>	Summarise key results with reference to study objectives	11
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Limitations	<u>#19</u>	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias.	11
Interpretation	<u>#20</u>	Give a cautious overall interpretation considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence.	12
Generalisability	<u>#21</u>	Discuss the generalisability (external validity) of the study results	12
Other Information			
Funding	<u>#22</u>	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	13

Notes:

- 12c: n/a complete case analysis conducted
- 12e: n/a this was not conducted
- 13c: n/a not necessary
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Fostering gender equality and reproductive and sexual health among adolescents: Results from a quasi-experimental study in Northern Uganda

Nana Apenem Dagadu^a, Kathryn M. Barker^b, Sam B.T Okello^c, Brad Kerner^d, Callie Simon^a, Dennis Nabembezi^e, and Rebecka Lundgren^b

Corresponding author: Kathryn M. Barker

^aSave the Children USA

Address: 899 North Capitol St NE, Suite 900, Washington, DC 20002

Telephone: +1-202-794-1565

Email: ndagadu@savechildren.org; csimon@savechildren.org;

^bCenter on Gender Health and Equity, University of California San Diego

Address: Central Research Services Facility, 9500 Gilman Drive, La Jolla, CA 92093

Telephone: +1-202-290-9864

Email: <u>rlundgren@ucsd.edu</u>; katebarker@ucsd.edu

^cCare International in Uganda

Address: P.O. Box 7280, 5th Floor, Union House. Plot 78, Luthuli Avenue - Bugolobi, Kampala,

Uganda

Telephone: +256 778977111 Email: sam.okello@care.org

^dSave the Children USA

Address: 501 Kings Highway East, Suite 400, Fairfield, Connecticut, 06825

Telephone: +1-203-221-4000 Email: BKerner@savechildren.org

^eNaNa Development Consultants Limited

Address: NaNa Plaza, Plot 164, Kayunga Trading Center, Hoima Road Office Suite No: 07, P.0

Box 37252 Kampala Uganda Telephone: +256-392-895-910

Email: nabembezidennis@yahoo.co.uk

ABSTRACT

Objective: To assess the impact of the GREAT intervention: a narrative-based, resource-light, life-stage tailored intervention package designed to promote gender-equitable attitudes and behaviors, and improve SRH and GBV outcomes among adolescents and their communities.

Design: Repeated cross-sectional evaluation study, using propensity score matching combined with difference-in-differences estimation

Setting: Two post-conflict communities in Lira and Amuru districts in Northern Uganda

Participants: Male and female unmarried adolescents (10-14 years, 15-19 years), married adolescents (15-19 years), and adults (over the age of 19 years) were selected using a stratified, two-stage cluster sample of primary and secondary schools and households (baseline: n=2,464, endline: n=2,449)

Primary outcome measures: Inequitable gender attitudes and behaviors; gender-based violence (GBV); and sexual and reproductive health (SRH) knowledge and behaviors

Results: Statistically significant intervention effects were seen across all three outcomes—gender equity, GBV, and SRH—among older and newly married adolescents and adults. Among older adolescents, intervention effects include shifts on: inequitable gender attitudes scale score: -4.2 points [(-7.1, -1.4), p<0.05]; Inequitable household roles scale score: -11.8 [(-15.6, -7.9), p<0.05]; Inequitable attitudes toward GBV scale: -1.9 [(-5.0, -0.2), p<0.05]; % of boys who sexually assaulted a girl in past three months: -7.7 [(-13.1, -2.3), p<0.05]; Inequitable SRH attitudes scale: -10.1 [(-12.9, -7.3), p<0.05]. Among married adolescents, intervention effects include shifts on: Inequitable household roles scale score: -6.5 [(-10.8, -2.2), p<0.05]; Inequitable attitudes toward GBV scale: -4.7 [(-9.8, -0.3), p<0.05]; % who reacted violently to their partner: -15.7 [(-27.1, -4.4), p<0.05]; Inequitable SRH attitudes scale: -12.9 [(-17.3, -8.5), p<0.05].

Conclusion: The GREAT intervention model demonstrates the promise of a resource-light, life-stage tailored program that employs culturally appropriate, participatory, and narrative-based techniques to advance gender equity and adolescent health. This type of programming contributes toward reductions in GBV and improved adolescent SRH outcomes.

Key words: Uganda, gender-based violence, norms, sexual and reproductive health, adolescents, gender roles

WORD COUNT: 4,378 words

STRENGTHS AND LIMITATIONS OF THIS STUDY

- This study evaluates the impact of a multicomponent, age-tailored mass media (narrativebased) intervention in post-conflict Northern Uganda.
- The study is one of the first of its kind to evaluate the effectiveness of a mass media campaign in a post-conflict setting.
- Propensity score matching was used due to high levels of contamination between the control and intervention groups.
- The possibility of information or social desirability bias in self-report of the study's sensitive topics (sexual behavior, family planning use and GBV) may not be ruled out.
- The study was not designed to assess the independent effects of each component of the multicomponent intervention.



INTRODUCTION

Global evidence indicates that sexual and reproductive health (SRH) is strongly influenced by gendered attitudes, behaviors, and norms cultivated within social systems. Equitable or not, these norms intensify during adolescence – a period of rapid physical, emotional, cognitive, and social transitions¹ – and influence health outcomes.²⁻⁴ Rather than focusing on their vulnerability to poverty, gender-based violence (GBV), and poor health and social outcomes⁵, their potential can be maximized by leveraging their strengths and assets. One way to address this is engaging adolescents and communities in multilevel and multicomponent interventions and gender-transformative approaches that center gender equality and address and challenge power imbalances in safe spaces for reflection and dialogue.⁶ Mass media campaigns, when accompanied by opportunities for dialogue and reflection, have emerged as a promising practice for raising awareness and transforming underlying attitudes and norms as well as changing behavior related to SRH behaviors.⁸ Studies have found that applying a life-course perspective and strengthening social networks lay the groundwork for positive adolescent SRH.¹⁰⁻¹⁴

Despite growing investment in gender transformative interventions for adolescents, evidence of their effect is still limited¹ ¹⁵ ¹⁶, especially at different stages of the adolescent life course. Furthermore, few such programs have been scaled up and even fewer documented. ¹⁵ Fewer still are studies that examine how to engage both adolescents and their communities to address gender dynamics in post-conflict settings. One such setting—communities in post-conflict Northern Uganda—represents a context with well documented and widespread GBV, disrupted social and human services, eroded cultural traditions, and heightened economic and physical insecurity. ¹⁷⁻¹⁹ Layered onto inequitable gender norms, unhealthy behaviors, and sexual and reproductive vulnerabilities, these conditions have been proven especially harmful to adolescent girls. ²⁰ ²¹

GREAT Intervention

To respond to this gap, the Gender Roles, Equality and Transformations (GREAT) community-based program was piloted in the Northern Ugandan districts of Gulu, Lira and Amuru from August 2012 to September 2014. GREAT aimed to promote gender-equitable attitudes and behaviors among adolescents (aged 10-19) and their communities to reduce GBV and improve SRH. The intervention package was tailored for four life stages: 1) very young adolescents (VYAs), aged 10-14 years old; 2) older adolescents (OAs), aged 15-19 years old; 3) newly married/newly parenting adolescents (NM/NPs) aged 15-19 years old; and 4) adults aged 20 years and older.

Over the two-year period, each life stage cohort was exposed to four intervention components suited to the literacy and contextual environment of Northern Uganda (see Figure 1). Each component was tailored to the respective life stage. The first component, the Community Action Cycle (CAC), is an iterative six-phase community mobilization process. It engaged 382 community leaders across parishes (comprising of several villages) to reflect on and better understand how gender inequality, GBV and poor SRH outcomes are linked. Through this process, community leaders in each parish identified priority issues in collaboration with their communities, developed a plan to address those issues, carried out the plan, and monitored and evaluated their progress. The second component, a 50-episode serial radio drama set in the fictional town of Oteka ('great' in Luo), was developed using the Transtheoretical Model behavior change theory²² and the Pathways to Change tool.²³ The drama included four storylines tailored to VYA, OA, NM/NPs,

and adults to engage, entertain, inform and spark substantive discussion in communities about gender, violence, and SRH including family planning. Complementing the radio drama was a toolkit of participatory activities, including storybooks on puberty for VYA boys and girls, as well as a life-sized board game, radio discussion guides, and activity cards tailored to each life stage. This suite of games and activities was designed to improve puberty and SRH knowledge and catalyze reflection, dialogue, and action around gender inequitable attitudes and behaviors, SRH, and GBV. These activities with the GREAT toolkit were conducted in existing adolescent clubs and groups (dance groups, savings clubs, etc.) in an average of three small groups per village. The decision to roll out GREAT through existing groups was based on the desire to develop a less costly, and therefore more easily scalable, approach. Finally, to meet the increased need for health services, GREAT trained Village Health Teams (VHTs – i.e., community health workers) to improve access to and quality of youth-friendly services.

[Figure 1. GREAT Intervention Package and its Four Components]

The overall intervention approach was grounded in two theoretical perspectives: 1) understanding that gender identities established early in life set children on a path which shapes their future²⁴; and 2) recognition that gender norms influence health-related behaviors both directly and indirectly, particularly during the transitional period of adolescence when gender norms and identities begin to coalesce.¹³ In addition, we applied six key principles to intervention design as informed by a review of existing global adolescent programs:

- 1) Use a positive youth development lens to engage adolescents as active change agents, leverage their assets, and foster agency⁵ ²⁵;
- 2) Shift gender attitudes, behaviors, and norms by using mass media and participatory narrative approaches to correct misinformation, encourage critical reflection and dialogue, and change expectations for appropriate behavior⁸ ¹² ¹⁵ ¹⁶ ²⁶;
- 3) Adopt a gender synchronized approach engaging both girls and boys, sometimes apart, sometimes together²⁷;
- 4) Focus on life course transitions when adolescents learn new roles and norms²⁸;
- 5) Develop multilevel interventions to ensure that new ideas and information diffuse through the social ecology and create an enabling environment for individual change⁶ ^{28 29}; and
- 6) Design for scale, using resource-light activities (e.g., low cost, minimal staff time) that can be implemented outside a pilot setting via integration within existing community or school groups.³⁰

This paper presents evidence from an outcome evaluation designed to assess whether the GREAT intervention:

- 1) Increased gender-equitable values, attitudes, and behaviors among adolescents aged 10-19 and adults;
- 2) Improved SRH knowledge, attitudes, and access to services among adolescents 10-19; and
- 3) Decreased tolerance of GBV among adolescents and significant others.

We also present findings on intervention effects adult provision of advice and support to young people.

METHODS

Sampling

Baseline (June 2012) and endline (October 2014) cross-sectional surveys were conducted with a total of 4,913 participants in the Northern Ugandan districts of Lira and Amuru (detail provided in Table 1). Respondents were selected using a stratified, two-stage cluster sample of primary and secondary schools (VYA) and households (all other life stages) within participating sub-counties. Within each sub-county, parishes were selected using probability proportional-to-parish-size (number of villages) sampling. Subsequently, a random sample of two villages was selected from each parish according to probability proportional-to-size (approximate number of households in the villages) and for each selected village, households were selected using simple random sample techniques. Schools for VYAs were sampled randomly and stratified across primary and secondary samples. The same 20 villages in Amuru and 26 villages in Lira and 28 schools (14 in each district) sampled at baseline were also sampled at endline. The endline sample size was matched to the baseline sample calculated as 2,000 adolescents and adults in order to allow for a design effect of 2, 10% non-response rate, 5% non-completion rate, and measurement of changes in knowledge, attitudes, and behavior of at least 10%. Additionally, sample sizes of individual life stages were established to allow within group comparisons.

[Table 1. Study participants by life stage at baseline and endline]

The sampling design also included an intervention and a matched control group. However, due to a high level of exposure in the control villages to the Oteka radio broadcasts (48% coverage), the pre-post trial study design was not possible. As such, we used the cross-sectional baseline and endline data and applied propensity score matching to distribute observed baseline covariates evenly between exposed and unexposed participants.³¹ We obtained effect sizes using difference-in-differences estimates to account for unobserved covariates between the two groups (further information on the statistical approach described below).³²

Exposure to GREAT was defined as ever listening to the Oteka radio program and/or participating in small group activities using the GREAT Toolkit within the last six months. No exposure was defined as no exposure to either the Oteka program or toolkit activities. Exposure was defined as occasional or frequent (weekly) exposure to either or both Oteka program and/or toolkit activities. Individuals exposed to information through the radio drama who could not remember specific character names were taken as unexposed to GREAT project interventions.

Ethics Statement

Ethical review of the instruments and study clearance was obtained from Georgetown University and The AIDS Support Organisation (TASO) Research Ethics Committee and from the Uganda National Council of Science and Technology (IRB #2012-113 – youth survey; IRB #2012-041 – household survey). Written informed assent and parental consent (participants under age 18), and consent (participants over age 18) were obtained prior to each interview. Interviews were conducted in a place of convenience – school, home, or community location – for each respondent.

Patient and Public Involvement

The intervention approach was guided by a technical advisory group (comprised of representatives from government, civil society and community, and youth leaders) and designed with the goal of

eventual scale up and sustainability. The intervention development was also informed through life history ethnographic research with adolescents, their parents, and community leaders; extensive in-country program design; pre-testing with adolescents and stakeholders; and routine monitoring efforts and feedback sessions with adolescents and adults. Local partner organizations and community members were also involved in the pretesting of the baseline and endline study, and participated in dissemination workshops and community meetings following baseline, midline qualitative assessment, and endline surveys.

Instruments

Interview instruments were developed in consultation with GREAT partners and local experts. Questionnaires for OA, NM/NP and adults followed a structured format with Likert-style response options for level of exposure to intervention components and dichotomous responses (Yes/No or Agree/Disagree) for attitudes, group membership, behaviors, and topics discussed. The VYA questionnaire was structured in the same way as those for the older age groups, but also included participatory elements, such as quantifiable card sorts, with the aim of engaging children, improving comprehension, reducing courtesy bias, and decreasing potential sensitivity of questions (see Appendix A for instruments).

Measures

The four study outcomes—gender inequity, GBV, SRH, and supportive behaviors by adults—were measured using both individual items and composite scales for each life stage. We included behavioral measures and attitudinal precursors to behavior for each of the four outcomes. Previously-validated gender measures were adapted for use (Mishra et al, 2014), including a modified Gender-Equitable Men scale. All scales were calculated as the average of dichotomous items multiplied by 100 (range: 0-100). Individual scale items are described in Table 2. Internal consistency of each scale was assessed using Cronbach's alpha for unexposed and exposed endline samples by life stage. Candidate scales with alpha significantly less than 0.6 were not included in analysis. These included the VYA scales on inequitable gender norms scale and inequitable attitudes toward GBV. Cronbach's alphas for scales included in the analyses ranged from 0.54 to 0.88, indicating moderate to good internal consistency (alpha values provided in Table 2).³³

[Table 2: Summary of scales, coefficients of reliability (Cronbach's alpha) by life stage and exposure status]

The four outcomes in the analyses were:

Gender inequity. The gender inequity domain included two behavioral measures for VYAs: helping a sister with chores (for boys) or being helped by a brother (for girls); and talking to parents or guardians about continuing education (for girls) or about a sister continuing education (for boys). For OAs, one behavioral measure was included—talking to parents or guardians about a sister continuing education (for boys)—as well as two scales of behavioral precursors: inequitable gender attitudes and household roles.. For NM/NPs the same two behavioral precursor scales were used, as well as two behavioral measures: male involvement in at least two childcare activities in a typical week; and reports of spousal help with household chores.

Gender-based violence. This domain included one behavioral measure for VYAs: touching (for boys) or having been touched (for girls) on the buttocks or breasts without permission in the past

three months. OAs were asked this same behavioral measure, as well as two behavioral precursor measures: attitudes toward GBV (scale) and a single item indicating confidence about getting help. For NM/NPs, the inequitable attitudes about GBV scale was used as well as one behavioral measure: violent reaction to a partner, among those who got angry in the past three months.

Sexual and reproductive health. Among VYAs, two knowledge items were assessed: recognition that boys and girls experience different rates of body changes in puberty; and ability to identify at least two puberty indicators. For both OAs and NM/NPs behavioral precursor scales were used—inequitable for these life stages included an inequitable SRH attitudes and contraceptive self-efficacy—and two behavioral measures: current family planning use and intended future family planning use.

<u>Supportive behaviors by adults</u>. One behavioral measure from the adult sample was included in this domain to assess adult role-modeling and individual change. A behavioral precursor measure was also included to assess inequitable gender attitudes among adults.

Statistical analysis

Exposed and unexposed endline participants were propensity score matched to baseline participants using a logistic regression model. Propensity scores were calculated using sex, age, education level, and religion, district, and employment status and sampling weights. For NM/NPs and adult respondents, the number of biological children and marital status were also included. The propensity scores at endline were generated separately for the exposed and unexposed respondents. Regression models were estimated with cluster robust standard errors at village level to compute marginal outcome estimates for the counterfactuals for the exposed group. The difference in marginal outcome estimates between the counterfactuals and exposed endline group are the effect sizes of exposure to the GREAT interventions. The p-score suite of commands in Stata 13 was used for these analyses. All analyses were conducted using Stata 13.

Statistical analyses considered sampling weights, clustering and stratifications. While unweighted descriptive statistics were calculated to summarize the data, sampling survey weights were used for all other analyses. Less than 2% of the data were missing for any given response item and across all the items.

RESULTS

Background Characteristics

Across all life stages, most respondents were Catholic, and predominantly ethnic Acholi in Amuru district and ethnic Lango in Lira district (Table 3). Primary education was high across cohorts (64% of adults and 80% of VYAs), and most participants indicated that their highest level of education was primary school (85% of OAs, 76% of NM/NPs, and 59% of adults). The majority of adults were married (79%) and 44% were employed.

[Table 3: Background characteristics of endline survey respondents]

Exposure to the Intervention and Diffusion

As shown in Table 4, exposure to the intervention components varied by life stage. Overall, however, 61% of all respondents reported being exposed to the Oteka radio program. Exposure to

the toolkit was much lower (about 7% overall), although 21% of VYAs reported using the toolkit through school-based implementation. VHT and CAC exposures were also low at 6% and 14% respectively.

[Table 4. Exposure to GREAT intervention components by life stage]

Intervention Effect on Gender Inequity

Overall, the results show several significant improvements in behaviors and behavioral precursors (i.e., knowledge and attitudes) related to gender inequity (Table 5). Of the nine life stage measures in this domain, seven exhibited significant shifts toward greater gender equitability. Among VYAs, there was a significant increase in brothers helping sisters with chores, with 84% of exposed VYAs reporting this compared to an estimated 62% in the counterfactual group (p<0.05). Among OAs, there were significant reductions in mean scores on the inequitable gender attitudes and household roles scales. Exposed OA boys were also significantly more likely to report discussing sisters' education with parents (72%) than among the estimated counterfactual group (56%) (p<0.05). The two remaining measures were not statistically significant, but trended towards increased gender equality. For example, exposed VYAs reported more discussions with parents about sisters' education (69%) than estimated had they not been exposed (52%).

[Table 5. Intervention effects on gender inequity by life stage]

Gender-based violence

Marked reductions were observed in some key behaviors and behavioral precursors of gender-based violence (GBV) for the older life stage but not for VYAs (Table 6). Among VYAs, there were no significant intervention effects on girls' and boys' reports of experiencing and perpetrating recent unwanted touching. Among both OAs and NM/NPs, there were significant intervention effects reducing inequitable attitudes toward GBV, and among OAs there was a significant positive intervention effect on confidence in seeking help for unwanted touching. For OAs, effects on behaviors were mixed by gender. Among OA boys exposed to the intervention, only 4% reported perpetrating unwanted touching, compared to an estimated 12% had they not been exposed (p<0.05), while among OA girls there was no significant intervention effect on reports of experiencing unwanted touching. Among male and female NM/NPs living with their partner, there was a significant intervention effect on violent reactions to a partner, declining from 21% estimated among the counterfactual group to 5% among the exposed group (Effect size = -15.7%, 95% CI: -27.1%, -4.4%).

[Table 6. Intervention effects on gender-based violence by life stage]

Sexual and Reproductive Health

For the final outcome of interest, there were significant improvements in the SRH domain for the older life stages, but not for the VYAs (Table 7). There were no significant intervention effects on the two indicators of VYAs' puberty knowledge, although knowledge was high in both the exposed group and the estimated counterfactual. For example, among the exposed group, 89% could identify at least two puberty indicators, compared to an estimate of 86% had they not been exposed. There was a significant intervention effect on reducing inequitable SRH attitudes and increasing contraceptive self-efficacy among both OAs and NM/NPs. Current family planning (FP) use also

experienced an increase among sexually active OAs and NM/NPs, though statistically significant only among NM/NPs. Specifically, 41% of exposed sexually active OAs reported contraceptive use compared to an estimated 31% had they not received the intervention (Effect size = 10.1 CI = -1.0, 21.1). Among NM/NPs, 44% reported current FP use among those exposed to the intervention, compared to a 33% counterfactual estimate (Effect size = 10.4, 95% CI = 1.1, 19.6). OAs and NM/NPs also experienced significant positive intervention effects on intentions to use FP in the future, among those currently not using a method.

[Table 7. Intervention effects on SRH attitudes and behaviors by life stage]

Supportive environment via adult role-modeling and individual change

Results for adult participants indicated a significant intervention effect on decreasing inequitable gender attitudes (Effect size = -8.0, 95% CI= -12.8, -3.1) (Table 8). The proportion of adults who helped adolescents who wanted to avoid getting pregnant increased by 17% (95% CI: 1.8, 32.3) and the proportion of adults who talked to adolescents about what it means to be a respectful man or woman in the community increased by 23% (95% CI: 7.7, 38.5).

[Table 8. Enabling environment for gender equitable attitudes and practices (adult respondents)]

DISCUSSION

The GREAT intervention was developed using hypothesis-driven design, as informed by existing theory, empirical work, global adolescent programming, and formative ethnographic research. It was hypothesized that life stage-tailored and gender-synchronized delivery of narrative-based program components (i.e., radio drama, puberty story books, and story-based activity cards) would achieve desired outcomes. Findings suggest that the five scales—gender equitable attitudes, household roles, inequitable attitudes toward GBV, SRH norms, and contraceptive self-efficacy were internally consistent across all domains. Furthermore, these scales appeared to tap into constructs positively impacted by GREAT, with statistically significant improvements shown across all five domains for newly-married or parenting adolescents (NM/NPs) and in three domains for older adolescents (OAs). For example, both OAs and NM/NPs in the intervention were less likely to hold inequitable gender attitudes as compared to the counterfactual unexposed groups (mean: -4.2 points and -3.7 points lower on the scale scores which ranged from 0 to 100 (p<0.05)). Results also indicate that GREAT contributed to reductions in rates of GBV and improvements in SRH outcomes, particularly for OAs and NM/NPs. For example, the proportion of those selfreporting they reacted violently towards a sexual partner was 16 percentage points lower among NM/NPs in GREAT as compared to the counterfactual unexposed group (5.3% versus 21%, a difference of 15.7% (4.4-27.1, p<0.05). Findings from the adult sample indicate significant intervention effects on decreasing inequitable gender attitudes, increased willingness to help adolescents who want to avoid getting pregnant, and an increased proportion of adults who talked to adolescents about what it means to be a respectful man or woman in the community.

The intervention effects seen are particularly notable given that the GREAT approach is relatively resource light, consisting of weekly radio drama sessions, community mobilization efforts conducted at the parish (rather than village) level, and adolescent engagement through existing community groups using a participatory toolkit. Findings suggest that listening to the Oteka radio drama was the main way respondents were exposed to GREAT, and therefore the primary driver

of the changes identified by the evaluation. This is consistent with high radio listenership in northern Uganda. Only a small percentage of respondents, outside of VYAs, reported participating in the small group based activities using the GREAT Toolkit. This may be either because respondents were unable to identify exposure to other GREAT intervention elements when asked in the survey or too few individuals were actually exposed because the intervention used existing adolescent groups and clubs to enhance scalability, rather than forming new ones.

Limitations

An accurate assessment of the effectiveness of GREAT is based on the challenging task of measuring changes in complex social constructs (e.g., gender inequity) in eight distinct sub-groups (male/female early adolescents, OA, NM/NPs and adults). Although psychometric testing of the measures at endline yielded reliable scales for OA, NM/NPs, and adults, the VYA scales did not achieve adequate internal consistency. Some measures, especially the measures for VYAs, would have benefitted from additional piloting and refinement prior to the baseline, had time permitted. The results also rely on self-report of sexual behavior, family planning use, and GBV, which may be biased due to social desirability or recall. In addition, little change was observed among VYAs in study outcomes due to several potential reasons. First, this may be due to the fact that attitudes and knowledge were high at baseline, and therefore a significant change was more difficult to achieve. Second, only a few behavioral measures for this age group were included in the survey, and thus it may have been that the inclusion of additional behavioral measures would have captured change. Finally, it may also have been due to weaknesses in the intervention itself. For example, it may have been that the intervention did not have the correct content or approach for VYA participants.

As with many community-based interventions in rural areas, intervention coverage was one of the most complex and challenging issues confronting GREAT implementation. First, there was high exposure to the radio broadcasts in both control and experimental villages. Although we overcame this issue through the use of propensity score matching, we were unable to assess intervention effectiveness through our original quasi-experimental pre-post study design. Second, the intervention occurred within parishes that had received other radio programs in the past. In order to isolate effects of GREAT's Oteka radio show, we chose to code individuals who could not remember specific character names in Oteka as unexposed to GREAT. It is possible that the effects of GREAT would be larger if we had taken a less conservative approach in our exposure criteria. While the intervention components were extensively pre-tested and revised, the intervention would have benefited from a proof of concept (pre-pilot) phase to assess the package in routine implementation circumstances. Future research and pilot studies would benefit from additional investment such as this, which would likely yield benefits in terms of ease of implementation, improved coverage and package adjustments based on better understanding of change mechanisms.

Finally, this study was not designed to assess the independent effects of each component. Given the theoretical importance of understanding the value of single-component versus multicomponent interventions⁶, future research investments to assess these independent versus combined intervention component effects is necessary. Another priority is to improve approaches to assess dosage and exposure to generate evidence on how much intervention is sufficient to reach a tipping point of behavior change, a research question prioritized by Haberland et al. (2018). Future

research on gender transformative approaches with early adolescents should also apply longitudinal methods to assess programmatic impacts over time. Although it is unknown whether changes in this study have been sustained, evaluation results using a longitudinal cohort with 10-14 year old boys and girls in Kinshasa who participated in an adaptation of GREAT reveal not only that some of the initial intervention effects were sustained three years post-intervention, but also that new positive SRH results were observed within the cohort of VYAs.³⁴

Implications

At the time of this study, northern Uganda was in the process of transitioning to a post-conflict state and the majority of its inhabitants had left the IDP camps and had returned to their ancestral homes (land belonging to their lineage). Families were struggling to regain their economic capacity and revitalize cultural values and traditions. In order to help young people overcome these challenges, community leaders were working to revitalize cultural traditions in ways that supported more equitable, peaceful relationships that would lead to healthier communities. Perhaps because of this context, communities may have been more open to interventions that address violence. To our knowledge, GREAT is the only program that simultaneously engages VYAs, OAs, and first-time parents using life-stage tailored content on GBV and SRH. This is despite widespread acknowledgement of the need for multicomponent, life-stage tailored, and gender transformative programming approaches, and little evidence available on their effectiveness. This article addresses this gap and suggests that shifting gendered attitudes and SRH behaviors among girls and boys across adolescent life stages—even with a relatively resource-light approach—is achievable in this study setting.

Results of this study confirm that gender norms appear largely static; masculinity and femininity are still embodied by procreation, ideal women are obedient and nurturing, and ideal men are providers with authority over women, a situation that is common across Uganda, including non-conflict settings.³⁵ This participatory, narrative-based intervention is resource-light and should be scaled and tested in other contexts to address broader community-level norm change and SRH and GBV outcomes in culturally-appropriate ways. In addition, this intervention targets multiple outcomes simultaneously (gender attitudes, violence, SRH) among boys/men and girls/women at different life course stages. This intersectional approach is increasingly recognized as essential due to the cross-cutting nature of gender across the life cycle. The promising measures highlighted in this paper can also be applied and further refined in other research initiatives to advance available gender and SRH measures. Donors, health researchers, and implementers must build on this growing momentum to implement and rigorously test gender transformative approaches to advance gender equity, improve adolescent SRH, and achieve sustained change.

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Data Availability Statement: Data are available upon reasonable request. Please contact the corresponding author for access to data or Stata codes used.



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TABLES.

Table 1: Study participants by life stage at baseline and endline

Life Stage	Age (In Years)	Description	Baseline sample size (Females; Males)	Endline sample size (Females; Males)
Very Young Adolescents (VYAs)	10-14	Boys and girls; attending school	450 (F: 225; M: 225)	450 (F: 227; M: 223)
Older Adolescents (OAs)	15-19	Boys and girls; unmarried, without children (in and out of school)	1,107 (F: 556; M: 551)	1,094 (F: 549; M: 545)
Newly Married / Newly Parenting Adolescents (NM/NPs)	15-19	Boys and girls; married / cohabitating with or without children (in and out of school)	506 (F: 304; M: 202)	507 (F: 307; M: 200)
Adults	20+	Men and women; community members	401 (F: 194; M: 207)	398 (F: 216; M: 182)
Total		4	2,464 (F: 1,279; M: 1,185)	2,449 (F: 1,299; M: 1,150



Table 2. Summary of scales, coefficients of reliability (Cronbach's alpha) by life stage and exposure status, and included items

Inequitable gender attitudes scale	VYA	OA	NM/NP	Adult
Sample size by exposure status (Unexposed; Exposed)	U: 149; E: 301	U: 513; E: 594	U: 220; E: 287	U: 177; E: 244
Alpha coefficients	-	U: 0.65; E: 0.61	U: 0.66; E: 0.64	U: 0.64; E: 0.63

- 1. Giving a bath and feeding kids are the mother's responsibility
- 2. A woman's role is taking care of her home and family
- 3. A man should have the final word about decisions in the home
- 4. A woman should obey her husband in all things
- 5. Men are always ready to have sex
- 6. There are times when a woman deserves to be beaten
- 7. A woman should tolerate violence to keep her family together
- 8. If someone insults a man, he should defend his reputation with force if he has to
- 9. Girls who carry condoms are promiscuous
- 10. It is solely a woman's responsibility to avoid getting pregnant
- 11. Men should be offended (outraged) if their wives ask them to use a condom

Inequitable household roles sharing scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.59; 0.61	U: 0.75; E: 0.70	U: 0.74; E: 0.66

- 1. A woman's role is taking care of her home and family
- 2. A man should have the final word about decisions in the home
- 3. Giving a bath and feeding kids are the mother's responsibility
- 4. It disgusts me when I see a man acting like a woman (not asked of adults)
- 5. A woman should obey her husband in all things
- 6. It is more important for boys to get an education than girls (not asked of older adolescents)
- 7. If there is a limited money to pay for school fees, it should be spent on sons first (not asked of older adolescents)
- 8. Boys should have more free time than girls (not asked of older adolescents)

Inequitable attitudes toward GBV scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.62; E: 0.60	U: 0.62; E: 0.54	U: 0.60; E: 0.59

- 1. If someone insults a man, he should defend his reputation with force if he has to
- 2. There are times when a woman deserves to be beaten
- 3. A woman should tolerate violence to keep her family together
- 4. A man using violence against his wife is a private matter that shouldn't be discussed outside the couple
- 5. Physically beating your children is a good way to make them behave
- 6. I believe it is important to use non-violent ways of disciplining youth, instead of physical violence

Inequitable attitudes about sexual and reproductive health (SRH) scale	VYA	OA	NM/NP	Adult
Alpha coefficients	-	U: 0.71; E: 0.67	U: 0.69; E: 0.62	-

- 1. Men should be offended (outraged) if their wives ask them to use a condom
- 2. Men are always ready to have sex
- 3. Girls who carry condoms are promiscuous
- 4. Only when a woman gives birth to a child is she a real woman
- 5. Only when a man has a child will he be a respected member of his clan
- 6. An ideal married couple will produce a child in the first year of marriage
- 7. A man and a woman should decide together what type of contraceptives to use

Table 3: Background characteristics of endline survey respondents

	Very Young	Older	Newly Married /	Adults
Characteristic	Adolescents	Adolescents	Newly Parenting	
	(n=450)	(n=1,094)	(n=506)	(n=398)
Age, median	13.5	16	18	31
Sex, %				
Male	49.6	49.8	39.4	45.7
Female	50.4	50.2	60.6	53.0
Religion, %				
Catholic	56.5	63.5	68.6	59.1
Pentecostal	14.3	10.6	**	12.1
Protestant	24.8	25.2	22.3	27
Other	4.5	0.8	9.15	2
Tribe, %				
Acholi	46.7	50.3	49.8	47.9
Lango	50.9	49.4	49.4	51.7
Other	2.5	0.4	0.8	0.5
Education level*, %				
Primary 4/5	41.6			
Primary 6/7	21.3			
Senior 1/2	17.1			
None		3.0	9.35	22.3
Primary		85.4	75.8	58.6
Secondary		15.3	14.9	19.1
Currently schooling		58.4		
Marital status, %				
Cohabitating			44.8	
Married			38.7	
Single parents			16.6	
Married/cohabiting				78.8
Never married				8.9
Separated				12.3
In romantic relationship, %		24.5	79.2	
Employed, %		19.2	34.4	44.5
Have at least one child, %			71.6	
No. of children, mean				4.0
Currently living with brother/sister, %	81.6	76		
Self/partner currently pregnant, %			27.1	
Has a trusted adult to talk to, %	58.9	83.5	86.9	

^{*}Unless stated otherwise education level refers to the highest level of education attained, whether or not the level was completed.

^{**}Cells with no data indicate response option or question not asked.

Table 4: Exposure to GREAT intervention components among all endline participants by life stage

		Expos	sure (%)	
Life Stage	Radio	Toolkit	CAC	VHT
Very Young Adolescents	68.1	21.4	5.8	10.7
Older Adolescents	58.9	3.3	4.8	9.3
Newly Married / Newly Parenting	58.3	4.9	6.8	22.1
Adults	61.9	1.8	9.8	25.2
Total	61.1	6.5	6.2	14.6

Table 5: Intervention effects on gender inequity by life stage

		Ove	erall	
Outcome	N Exposed	% or	mean	Intervention Effect
		Obs.	CF	
Very Young Adolescents ^a				
% helped sister with chores/was helped by brother	256	83.5	62.4	21.1 (4.1, 44.7)*
% discussed with parents/guardians about continuing with education/ sister continuing her education	256	68.8	52.4	17.1 (-2.9, 35.7)
Older Adolescents ^b				
Inequitable gender attitudes scale ^c (mean)	553	49.8	54.0	-4.2 (-7.1, -1.4)*
Inequitable household roles (mean)	553	49.6	63.1	-11.8 (-15.6, -7.9)*
% boys who ever talked to their parents or another adult about the importance of sisters continuing with studies	334	72.2	56.0	16.2 (6.2, 26.2)*
Newly Married / Newly Parenting b				
Inequitable gender attitudes scale (mean)	224	55.9	59.6	-3.7 (-7.7, 0.3)
Inequitable household roles scale (mean)	224	62.6	69.1	-6.5 (-10.8, -2.2)*
% men involved in at least two childcare activities in a typical week	224	51.8	41.5	10.3 (0.9, 19.7)*
% that was helped by spouse with household chores	224	65.4	53.4	11.9 (2.3, 21.5)*

^{*}p <0.05; Obs: Observed outcomes among the exposed; CF: Counterfactual or expected outcome in absence of exposure

^a Effects adjusted/matched on age, person staying with, presence of sibling of opposite sex in household, education level, current schooling status, religion and district.

^b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

Table 6: Intervention effects on gender-based violence by life stage

		Ove	rall		
Outcome	N Exposed	% or mean		Intervention Effec	
		Obs.	CF		
Very Young Adolescents ^a					
% of girls whom boys touched on their buttocks or breasts without their permission in past 3 months	137	8.4	14.1	-5.7 (-16.0, 3.5)	
% of boys who touched a girl on her buttocks or breasts without permission in past 3 months	172	6.8	7.2	0.4 (-19.3, 11.3)	
Older Adolescents ^b					
Inequitable attitudes toward GBV scale ^c	553	23.6	25.5	-1.9 (-5.0, -0.2)*	
% who are confident that they would get help if they are being touched in ways that make them feel uncomfortable	553	91.2	82.7	8.5 (3.2, 13.8)*	
% of girls whom boys touched on their buttocks or breasts without their permission in past 3 months	219	16.7	18.5	-1.8 (-7.4, 3.8)	
% of boys who touched a girl on her buttocks or breasts without permission in past 3 months	334	4.3	12.0	-7.7 (-13.1, -2.3)*	
Newly Married / Newly Parenting b					
Inequitable attitudes toward GBV scale	224	23.6	28.3	-4.7 (-9.8, -0.3)*	
% who reacted violently to the partner	224	5.3	21.0	-15.7 (-27.1, -4.4)*	

^{*}p <0.05; Obs: Observed outcomes among the exposed; CF: Counterfactual or expected outcome in absence of exposure

^a Effects adjusted/matched on age, person staying with, presence of sibling of opposite sex in household, education level, current schooling status, religion and district.

^b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

		Ove	erall	
Outcome	N Exposed	% or	mean	Intervention Effect
	Lxposeu	Obs.	CF	Lifect
Very Young Adolescents ^a				
% recognize that boys and girls experience different rates of body changes in puberty	309	83.5	74.7	-11.2 (-39.4, 0.1)
% able to identify at least 2 puberty indicators	309	89.3	86.1	3.2 (-4.2, 14.0)
Older Adolescents ^b				
Inequitable SRH attitudes scale ^c	553	40.6	50.7	-10.1 (-12.9, -7.3)*
Contraceptive self-efficacy	553	48.4	37.8	10.6 (5.8, 15.4)*
% Currently practicing FP (among sexually active)	251	40.8	30.7	10.1 (-1.0, 21.1)
% who intend to use a FP method in future (among all OAs)	553	70.0	54.2	15.8 (9.5, 22.2)*
Newly Married / Newly Parenting b				
Inequitable SRH attitudes scale	224	37.8	50.7	-12.9 (-17.3 <i>,</i> -8.5)*
Contraceptive self-efficacy	224	67.5	59.2	8.3 (4.2, 12.4)*
% Currently practicing FP	224	43.8	33.4	10.4 (1.1, 19.6)*
% who intend to use a FP method in future	224	85.0	75.0	10.4 (2.3, 18.5)*

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district.

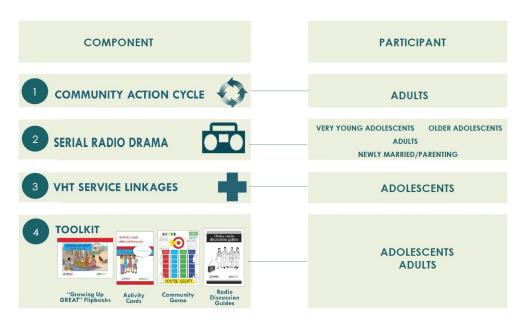
district.

b Effects adjusted/matched on age, marital status, education level, sex, religious affiliation, had biological children or not, employment status and district.

^cThis scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.

			0	
ces (adult res N Exposed	Ove % or r	erall mean	36/bmjopen-2021-053203 Intervention Effect	
183	54.0	62.0		
183	41.6	53.4	17.0 (1.8, 32.3)*	
183	52.4	69.3	23.1 (7.7, 38.5)*	
	N Exposed 183 183 183	N % or 1 Obs. 183 54.0 183 41.6 183 52.4	Exposed % or mean Obs. CF 183 54.0 62.0 183 41.6 53.4 183 52.4 69.3	N Overall N Exposed Obs. CF 183 54.0 62.0 -8.0 (-12.8, -3.1)* 183 41.6 53.4 17.0 (1.8, 32.3)* Obs. Obs

^b This scale and all other scales were calculated from 0-100 as the average of dichotomous items multiplied by 100.



GREAT Intervention Package and its Four Components 331x198mm (96 x 96 DPI)

APPENDICES.

APPENDIX A. GREAT Endline Household Survey Instruments

1136/bmjopen-2021-053203 on 22

	GEND	ER ROLES EQUALITY AND TRANSFORM, ENDLINE HOUSEHOLD SURVE Very Young Adolescents (10 – 14 Year	Υ	March 2022. Down	
	TODAY'S DATE / _ /	000		loaded from	
	RESPONDENT CODE//		RESPONDENT CODE	http://bmj	
	INTERVIEWER CODE		INTERVIEWER CODE	open.	
	District	AMURU	District	bmj.c	
		LIRA	V	om/ c	
	SUBCOUNTY	Lamogi	06.	n Ap	
		Pabbo		il 17,	
		Amuru Town council	7	2024	
		Barr		by gu	
		Amac		uest.	
		Ogur		Prote	
•			•	<u> </u>	

		BMJ Open	36/bm	
			open-202	
	SECTION 1. RESPONDENT'S BAC Me acaki amitto penyi apeny mo (First I would like to begin by asl		136/bmjopen-2021-053203 on 22 March	
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	arch 202	SKIP
101.	(Sex of respondent)	ICOO (MALE)	Agam apeny obedo icoo nyodako (Sex of respondent)	
	4	DAKO (FEMALE)	d fro	
102	How old were you on your last birthday? If the participant does not know his/her age: "Can you tell me in what year you were born?"] [AGE TO BE CALCULATED AFTER THE INTERVIEW]	MWAKA MERE (Age in complete years)	Onwongo itye mwaka adi ikare ame ikwero kede nino me nywali ni me agikki? How old were you on your last birthday? PENY KA AGAM APENY PE NSEO MWAKA MERE: "Itwero tita dwe kede mwaka mene ame onywali ive?" [If the participant does not know his/her age: "Can you tell me in what year you were born?"] [AGE TO BE CALCULATED AFTER THE INTERVIEW]	
		DWETE (Month)	INTERVIEW] 2024 by	
		MWAKA ONYWALE IYE (YEAR BORN)	guest	
		PE NGEYO MWAKA(Don't know age)	Itye idini mene? (What is your	
103.	What is your religion?	ATOLI (Catholic)	Itye idini mene? (What is your religion?)	
		OGERI (Protestant)	religion?) ed by co pyrig pht	

1136/bmjopen-202

		ACILAM (Muslim)	27-0
		OLARE (Pentecostal)	1-053203
		SDA (SDA)	9
		OKENE MAPAT (OTHER)	22 March
	_	TITI (Specify)	rgh 202
104.	Which tribe do you primarily identify with?	ACHOLI	Rok ni obedo mene? (Which tribe do you primarily identify with?)
		LANGO	ηloac
		ATESO	nloaded fro
		KUMAM	3 7
		MA'DI	htp://
		OKENE MAPAT (OTHER)	ďomj
		TITI (Specify)	ope
105.	Who do you live with?	MAMA KEDE BABA (MOTHER ANDFATHER)	Ibedo kede nga? (Who do you live with?)
		MAMA KEKEN (MOTHER ONLY)	1 dom/
		BABA KEKEN (FATHER ONLY)	On Ap
		ATAT KEDE ABA ADWONG (GRANDPARENT)(S)	on April 17, 2
		OMEGE/AMEGE NA (BROTHER/SISTER)	2024 by
		WATI OKENE (OTHER RELATIVE)	y guest.
		TITI (SPECIFY)	St. F
		JO OKENE APE WAT (OTHER NON- RELATIVE)	Protected by
		TITI (SPECIFY)	ed by
	1	1	g g

		BMJ Open	36/bmj	
			136/bmjopen-20:	
106.	Is this person under the age of	EE (YES)	Dano man tye ame pe tunu mwaka 20?	
	20?		(Is this person under the age of 20?)	
		PE (NO)	03	
		PE NGEO (DON'T KNOW)	on .	
107.	What is the highest level of	PURAMARI 1 (PRIMARY 1)	Kilaci adong adwong aloo ane itunu iye	
	school you attended?	,	tye adi? (What is the highes level of	
			school you attended?)	
		PURAMARI 2(PRIMARY 2)	02 22 22	
	0,4	PURUMARI 3 (PRIMARY 3)	Down	
		PURUMARI 4(PRIMARY 4)	loade	
	•	PURUMARI 5(PRIMARY 5)	loaded from	
		PURUMARI 6 (PRIMARY 6)	n http	
		PURUMARI 7 (PRIMARY 7)	://bm	
		CINIA 1 (SENIOR 1)	оре	
		CINIA 2 (SENIOR 2)	n.b	
108.	Do you plan to continue studying?	EE (YES)	Itye kede pulan me medde kede kwan? (Do you plan to continue studying?)	201
		PE (NO)	8	
109.	What is your primary reason for	MYERO TII PI OCARA (Need to work	Tyen kop ango ame gengi mede kede	
105.	not continuing your studies?	for a wage)	kwan? (What is your primary reason for	
	MULTIPLE RESPONSES	Joi a wagey	not continuing your studies?	
	POSSIBLE.		4	
			by g	
			ues	
		MYERO TII I PACO (Need to work at home)	guest. Protected	
		CENTE ME KWAN PE (No funds for school fees)	ected	

ONYWAL PE MITO (Parents don't	1-0
want)	532
OTYEKO KWAN (Has completed	03
education)	On On
LWENY OBALO KWAN OKO	22
(Disrupted by war)	Mar
OKENE MAPAT (OTHER)	C 1
TITI (Connectific)	<u> </u>
TITI (Specify)	Ņ

SECTION 2: SEXUAL AND REPRODUCTIVE HEALTH KNOWLEDGEAmitto dong penyi apeny mogo anonok amako aloka ame timere ikom owobe kede onyira ame nwongo gin tye adongol would now like to ask you a few questions about changes that beys and girls experience during adolescence.

KAD ME TUKU: "aman obino cakko tic kede kad me tuku. Tye kwone kad gin adek – kad arema tye kede apeny ikom ngec atye ateni, en alulum penyo tam ango ame itwero miyo ngatoro okene atidi, eka kad ayelo penyi me miyo tammi ikom wi lok apapat. Yu malo gagi magi me nenno kad kala acal nedi ame ibino nwongo, eka abino kwanni apeny eka ite dok iye."

CARD GAME: "We are going to begin with a card game. There are three types of cards – the red cards have questions about facts, the green ask what advice you would give other young people, and the yellow ask you to give your opinion on different topics. Throw this die to see what color card you will get, then I will read the question for you to answer."

RED CARDS (FACTS)

201	True or false: It is normal for	ATENI (TRUE)	Ateni nyo goba: Tye kakare me owobe
	boys and girls to experience		kede anyira me bedo kede a kata-loka I
	changes in their body at		kom gi man ikare apapat (True or false:
	different rates.		It is normal for boys and girls₫o
			experience changes in their bady at
			different rates.)
		GOBA (FALSE)	y c

202. True or False? Once a girl gets her first period, it is time for her to start having sex. 203. True or false? boys and girls experience sudden changes of emotions while going through puberty? 204. False of the first period girls experience sudden changes of emotions while going through puberty? 205. GOBA (FALSE) 206. False? boys and girls experience sudden changes of emotions while going through puberty? 207. False? boys and girls experience sudden changes of emotions while going through puberty? 208. False of the first period, it is time for her to start having sex.) 209. Ateni nyo goba? Anyira beddkede aloka loka ikom gi atura ame mwodgo dong otye codongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) 209. False of the first period, it is time for her to start having sex.) 200. False? boys and girls experience sudden changes of emotions while going through puberty?) 201. False of the first period is the first period in the first period is the first period period is the first period is			BMJ Open	136/br
202. True or False? Once a girl gets her first period, it is time for her to start having sex. 203. True or false? boys and girls experience sudden changes of emotions while going through puberty? 204. A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? 206. True or false? Done a girl gets her first period, it is time for her to start having sex.) 207. Ateni nyo goba? Anyira bedckede aloka loka iloka				njopen-20;
her first period, it is time for her to start having sex. GOBA (FALSE) PE NGEO (DON'T KNOW)			PE NGEO (DON'T KNOW)	21-05
PENGEO (DON'T KNOW) ATENI (TRUE) Ateni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty? GOBA (FALSE) PENGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her? MYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) A teni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) B ATENI (TRUE) Ateni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) B ATENI (TRUE) ANYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE MERE, MAN KOM BALORO PE IYE MERE, MAN KOM BALORO PE IYE MERE MERE, MAN KOM BALORO PE IYE MERE MERE MERE MERE MERE MERE MERE ME	202.	her first period, it is time for her	ATENI (TRUE)	nenno two dwe mere me acel, kare mere nwongo dong oromo oko me cakko ribere kede icoo . (Truz or False? Once a girl gets her first peried, it is time
PENGEO (DON'T KNOW) ATENI (TRUE) Ateni nyo goba? Anyira bedakede aloka loka ikom gi atura ame nwo go dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty? GOBA (FALSE) PENGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her? MYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) NYAKO ACEL ACEL DONGO IKARE MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) OKENE MAPAT (OTHER)		0,4	GOBA (FALSE)	I.S Dow
experience sudden changes of emotions while going through puberty? GOBA (FALSE) PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? NYAKO ACEL ACEL DONGO IKARE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) NYAKO ACEL ACEL DONGO IKARE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) loka ikom gi atura ame nwobgo dong otye odongo? (True or false? boys and girls experience sudden changes of emotions while going through puberty?) Anyaka me mwaka 12, okobi ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abbingo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)			PE NGEO (DON'T KNOW)	/nload
### PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) 204.	203.	experience sudden changes of emotions while going through	ATENI (TRUE)	loka ikom gi atura ame nwoßgo dong otye odongo, odoko jo adongo? (True or false? boys and girls experience sudden changes of emotions while
PE NGEO (DON'T KNOW) GREEN CARDS (ADVICE) 204. A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? PE NGEO (DON'T KNOW) A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? PACE, THIS IS NORMAL) OKENE MAPAT (OTHER) Anyaka me mwaka 12, okobi ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?)			GOBA (FALSE)	000
A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her? Anyaka me mwaka 12, okobî ni owote mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? (A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)			PE NGEO (DON'T KNOW)	9
friends already have breasts, but she is flat as a board. What would you say to her? MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN PACE, THIS IS NORMAL) Onwongo itwero kobe ngo? (A girl tells you that all of her friends already have breasts, but she is flat as a board. What would you say to her?) OKENE MAPAT (OTHER)	GREEN CA	RDS (ADVICE)		prii
OKENE MAPAT (OTHER) TITI (SPECIFY) 8	204.	friends already have breasts, but she is flat as a board. What	MERE, MAN KOM BALORO PE IYE (EACH GIRL DEVELOPS AT HER OWN	mere ducu dong tye kede cak ikor gi, ento en kore otwo atwoa abongo cak. Onwongo itwero kobe ngo? A girl tells you that all of her friends already have breasts, but she is flat as a board. What
TITI (SPECIFY)			OKENE MAPAT (OTHER)	cted
			TITI (SPECIFY)	by cc

		BMJ Open	36/br
			36/bmjopen-202
		PE NGEO (DON'T KNOW)	-6
205.	A girl you know started getting	MAN PE OBEDO GIN ARAC TEKI	Nyako ame ingeo ocako neng two dwe
	her period last year and is	ONYIRA OCAKO NENNO TWO DWE	mere imwaka okato dok tyeskede lworo
	worried because it doesn't	GI; GIN MAN CAKO LUBERE KAKARE	ni pien pe maro bino ikare ikokome.
	always come at the same time.	MAN INGE KARE MORO (THIS IS	Onwongo itwero kobe ngo? (A girl you
	What would you tell her?	NORMAL WHEN GIRLS BEGIN TO	know started getting her perछ्रिd last year
		MENSTRUATE, THEIR CYCLES	and is worried because it doe્સુંn't always
		BECOME MORE REGULAR WITH	come at the same time. Whakiyould you
		TIME	tell her?)
		OKENE MAPAT (OTHER)	own
	-	TITI (SPECIFY)	badec
		PE NGEO (DON'T KNOW)	fron
206.	A boy you know tells you that	MAN PE BALO, PE OBEDO GINORO	Awobi ame ingeo nino moro⊋okobi ni
	sometimes he wakes up and his	AME OWOBE TWERO GENGO(THIS IS	ecoo I kabutu eka te nwongo ni pali
	underwear is damp. This	NORMAL, IT IS NOT SOMETHING	mere tye ojot. Man make kede lewic
	embarrasses him a lot. What	BOYS CAN CONTROL	tutwal. Onwongo itwero koke ngo? (A
	would you tell him?		boy you know tells you that sometimes
			he wakes up and his underwear is damp.
			This embarrasses him a lot. Wighat would
			you tell him?)
		OKENE MAPAT (OTHER)	n Apri
		TITI (SPECIFY)	11 17,
		PE NGEO (DON'T KNOW)	2024
207.	A classmate tells you that	PENY NGATORO ADIT AME GIN	Ngat ikwano kede okobi ni ngatoro I
	someone in their family touches	GENO ME PI KONY (ASK AN ADULT	tung gi mamako gi iyore mogo ame yi gi
	them in a way they don't like.	THEY TRUST FOR HELP, KEEP ASKING	pe mito. Onwongo itwero kobo ngo?
	What would you say?	UNTIL SOMEBODY HELPS)	(A classmate tells you that someone in
			their family touches them in 🖁 way they
			don't like. What would you say?)
		OKENE MAPAT (OTHER)	oy oc
	1	1	pyright.

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			027
		TITI (SPECIFY)	I I
		PE NGEO (DON'T KNOW)	053203
ELLOW C	ARDS (OPINIONS)		9
208.	Agree or disagree? It is normal that boys and girls begin to have romantic feelings once their bodies begin to develop.	OYEE (AGREE)	lyee nyo pe iyee? Tye kakare me owobe kede onyira me bedo kede miti bedo kede awobe nyo anyira teki ka kom gi ocako dongo (Agree or disagree? It is normal that boys and girls begin to have
	0,	PE OYEE (DISAGREE)	romantic feelings once their godies begin to develop.)
209.	Agree or disagree? Drinking alcohol is an indication of a man's physical strength and endurance.	OYEE (AGREE)	lyee nyo pe iyee? Matto kongo arege obedo anyut me gupu a dana icoo (Agree or disagree? Drinking alcohol is an indication of a man's physical strength and endurance.)
		PE OYEE (DISAGREE)	,
210.	Agree or disagree? Drinking alcohol makes young people do things they might regret and hurt their health.	OYEE (AGREE)	lyee nyo pe iyee? Matto kongo mio jo atino timo jami ame otwero dok paro l cen dok dang balo yotkom gp (Agree or disagree? Drinking alcohol makes young people do things they might regret and hurt their health.)
		PE OYEE (DISAGREE)	024 b
ACKIE'S S	TORY		. <u>Å</u>

		BMJ Open	136/b
			136/bmjopen-20
	eka ate penyi apeny iye. mwaka kobe ni en bino cako neno twoo oneno ni te pali mere bedo adya ngoo ame mama mere okobe iko JACKIE'S STORY: "Now I'm going her period for the first time. That she needed to be careful of men.	acel okato angec, Jackie oneno two dwe dwe mere dwee-idwee, dong en myero ka icawa okene. en pe ngeo ngo ame g om coo. to tell you about X and then ask you a f day her mother told her that she would	ka mere tye 14, nyinge olwongoni Jackie, ee mere pi tyen me acel.mama mere te o cak gwokere ikom coo. acegi re, en Jackie in man obedo, dong en tye kede par ikom kew questions. About a year agos she got d bleed every month andthat from then on ness on her underwear some dos of the ment her mother made about men."
211.	When does the menstrual cycle begin?	NINO ME ACAKI ME NENNO TWO DWE (THE FIRST DAY OF MENSTRUATION) OKENE MAPAT (OTHER)	Two dwe cakere awene ? (When does the menstrual cycle begin?)
		TITI (SPECIFY) PE NGEO (DON'T KNOW)	ttp://bmjo
212.	When does the menstrual cycle end?	NINO AME NWONGO DWE OKENE PWOD PE INENO (THE DAY BEFORE THE NEXT MENSTRUATION)	Two dwe giko dong bino awene? (When does the menstrual cycle energy)
		OKENE MAPAT (OTHER)	on A
		TITI (SPECIFY) PE NGEO (DON'T KNOW)	Ap _{fii}
213.	What does this sensation of dampness that Jackie feels mean? MULTIPLE RESPONSES POSSIBLE.	EN TYE IKARE AME TWERO YAC (SHE IS OVULATING, SHE IS FERTILE)	Kodi pii pii ame Jackie onenoni obedo ngo? AGAM APOL TWERO NEN (What does this sensation of dampræss that Jackie feels mean?)
		OKENE MAPAT (OTHER)	Protected
		TITI (SPECIFY)	
		PE NGEO (DON'T KNOW)	by cc

214.	If Jackie had sexual relations,	EE (YES)	Ka Jackie oribere kede icoo, Ēeni en
	could she become pregnant on		onwongo twero yac oko mapikare ame
	any day of her cycle?		en tye anenno kede dwe mede? (If
			Jackie had sexual relations, c <mark>o</mark> uld she
			become pregnant on any day of her
			cycle?)
	_	PE (NO)	rch
			202
		PE NGEO (DON'T KNOW)	12. [
215.	During what part of the	TYE ANENNO DWE MERE, IKARE	Ikare mene ame nwongo Jackie tye
	menstrual cycle does Jackie	AME EN NENO KEDE PII PII MAN IN	anenno kede two dwe mereaame en
	have the most risk of becoming	THE MIDDLE OF THE CYCLE, WHEN	twero dong yac kede oyot ogot ka en
	pregnant if she has sex?	SHE FEELS SECRETIONS	oribere kede icoo? AGAM EWERO
	MULTIPLE RESPONSES		BEDO APOL S
	POSSIBLE.		(During what part of the menstrual cycle
		/	does Jackie have the most risk of
		10.	becoming pregnant if she has sex?)
		OKENE MAPAT (OTHER)	ppen.l
		TITI (SPECIFY)	<u>3</u> .
		PE NGEO (DON'T KNOW)	000

SECTION 3: EQUALITY IN EDUCATION AND HOUSEHOLD CHORES apeny okene anonok tye ikom gum me kwan kede tic okene apapat pi awobe kede anyira. kob kop ateni pien kop ame ikobo, abedo imung . poyo dang ni, pe tye agam'oro ame tye ateni onyo goba. man wan otye openyo kara tami

The next few questions are about opportunities for education and the different household chores for boys and girks. Please be honest – your answers are confidential, and remember, there are no right or wrong answers; these are simply your opinions.

Peko a John tye iye (John's Dilemma)	0	
	OD .	
	ν ·	
		

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		BMJ Open	136/bmjopen-
			jopen-20
	I am going to read you a letter		Abino kwanni balo ame oya Lbot John,
	from John, a boy your age.		awobi ame mwaka mere tye arom
	After I read it, I am going to ask		aroma kedi. Ka atyeko kwango, abino
	you about your opinions and		penyi ikom tami kede tam ame
	what advice you would give to		onwongo iromo miyo John kede anyira
	John and the girls in the story.		ame tye iyi icina man (I amagoing to
	,		read you a letter from John, & boy your
			age. After I read it, I am going to ask you
			about your opinions and what advice you
			would give to John and the gigls in the
			story.)
	cwero cunya, dok mia abedo ked ked-gi. ka atemo juko gi, gin kob awek dong yor gi aweka? an ked Dear Friend, When I go out with my friends, the out to them and laugh about the	le kwo atek, ento dong awoto kedgi kard o ni myero adong ate cako bedo calo ico le gen, John. hey like to follow girls and watch them v way their bodies are changing as they g out with them. Once when I told them to	when they fetch water. Sometimes they call grow up. It makes me uncomfortable but I to stop, they told me I should grow up and GREE or DISAGREE.
	READ ALOUD: I am going to read KWAN MATEK: abino kwani nyig	l you some statements. Tell me if you AC lok'ogo. koba IYEE onyo PE IYEE.	GREE or DISAGREE. 14 by quesst.
	Teasing girls is an appropriate	OYEE (AGREE)	tukku kede anyira obedo yoge ame
301.		• •	1 ' 5
301.	way boys show girls that they		awobe twero nyuti anyira kede ni gin
301.			awobe twero nyuti anyira kede ni gin omaro gi (Teasing girls is an appropriate

1136/bmjopen-202

		PE OYEE (DISAGREE)	N
			053
302.	Boys who do not tease girls will	OYEE (AGREE)	Awobe ame pe boko anyira wobe
	be made fun of by other boys.		okene bino nyero gi (Boys wg o do not
			tease girls will be made fun of by other
			boys.) ≤
		PE OYEE (DISAGREE)	ich.
303.	Calling out to girls in this wayis	OYEE (AGREE)	Lwongo anyira iyore man pester tutwal.
	not acceptable.		(Calling out to girls in this way is not
			acceptable.) §
		PE OYEE (DISAGREE)	nloa
304.	Girls should be flattered when	OYEE (AGREE)	Anyira myero awaka ka owope olwongo
	boys act this way.		gi iyore man (Girls should be flattered
		(0)	when boys act this way.)
		PE OYEE (DISAGREE)	http:/
305.	What advice would you give	KOBI OWOTE MERE ME WEKKO	Tam ango ame onwongo itwero miyo
	John? (PROMPT ONCE:	YELLO GI (TELL HIS FRIENDS NOT TO	John? (What advice would wu give
	Anything else you would tell	TEASE)	John?) (PENY ICEL: Ginoro okene ame
	them? MULTIPLE RESPONSES		onwongo itwero kobe? AGAM APOL
	POSSIBLE.)		TWERE (PROMPT ONCE: Angthing else
	,		you would tell them?)
		NENNO GI ANENA (IGNORE THEM)	3
		NWONG NGATORO ADIT ME KONY	<u>≚</u> .
		(GET AN ADULT TO INTERVENE)	17,
			April 17, 2024
		KOBI NGATORO ADIT ICEN (TELL AN	
		ADULT LATER)	gue
		KWA KICA BOT ONYIRA (<u> </u>
		APOLOGIZE TO THE GIRLS)	Pro
		,	Ř C
			by guest. Protected by copyright
			by
			СОР
			yrig
]].

3		BMJ Open	1136/bmj
			open-202
		WEK WOT OKO KEDE OWOTE NI PE OKO (STOP HANGING OUT WITH THOSE FRIENDS)	136/bmjopen-2021-053203 on 22
		OKENE MAPAT (OTHER)	<u> </u>
		TITI (SPECIFY)	arch
306.	What advice would you give the girls in the story? PROMPT ONCE: Anything else you would tell them? MULTIPLE RESPONSES POSSIBLE.	KOBI OWOBE ME WEKKO YELLO GI (TELL THE BOYS TO STOP TEASING)	Tam ango ame onwongo itvero miyo onyira I yi icina man? PENY ICEL: Ginoro okene ame imitto kobi gi?AGAM APOL TWERE (What advice would you giver the girls in the story?) MULTIPLE RESPONSES POSSIBLE.
		NENNO GI ANENA (IGNORE THEM)	n http
		NWONG NGATORO ADIT ME JUK GI (GET AN ADULT TO INTERVENE)	o.//bmjopen
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	.bmj.co
		OKENE MAPAT (OTHER)	on on
		TITI (SPECIFY)	April
ikomi idwe	ee okato ni.		ina. pi dakika anonok, amito ni Ham kami ame otimere like you to think about the things that happened to you guest
307.	During the last month have you been with any friends who were teasing a boy?	EE (YES)	Ikare me dwe okato kong ibe o kede owote ni moro ame onwong o type the last of

		BMJ Open	1136/bi	
			136/bmjopen-202	
			have you been with any friends who were teasing a boy?)	
		PE (NO)	on 22	310
308.	Did you do anything about it?	EE (YES)	Itimo ginoro iye? (Did you de anything about it?)	
		PE (NO)	2022	310
309.	What did you do? MULTIPLE RESPONSES POSSIBLE.	KOBI GI PE ME MEDDE KEDE YELLO (TELL THEM NOT TO TEASE)	Itimo ngo? AGAM APOL TWERE (What did you do?)	
		WOT ALILING (WALK AWAY)	loaded from	
		NWONG NGATORO ADIT (GET AN ADULT)	http://bn	
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	njopen.t	
		LOK KEDE OWOTE NI ICEN (TALK TO YOUR FRIENDS LATER)	mj.com/ on	
		OKENE MAPAT (OTHER)	April 17	
		TITI (SPECIFY)		
		PE NGEO/PE POYO (DON'T KNOW/DON'T REMEMBER)	2024	
310.	During the last month, have you been with any friends who were teasing a girl?	EE (YES)	Ikine me dwe okato, ibedo kede owote ni mogo ame onwongo tye ayello nyako moro? (During the last month, have you been with any friends who were teasing	
		PE (NO)	ed by cop	313 if Girl 316 if Boy

		BMJ Open	36/br	
			36/bmjopen-20	
			, N	T
311.	Did you do anything about it?	EE (YES)	ltimo ginoro iye? (Did you da anything about it?)	
		PE (NO)	903 on 2	313 if Gi 316 if Bo
312.	What did you do? MULTIPLE RESPONSES POSSIBLE.	KOBI GI PE ME MEDDE KEDE YELLO (TELL THEM NOT TO TEASE)	Ibin itimo ngo? (What did you do?) AGAM APOL TWERE (MULTIRE RESPONSES POSSIBLE.)	
		WOT ALILING (WALK AWAY)	022 20 D	
	0/	NWONG NGATORO ADIT (GET AN ADULT)	ownloaded	
		KOBI NGATORO ADIT ICEN (TELL AN ADULT LATER)	from	
		LOK KEDE OWOTE NI ICEN (TALK TO YOUR FRIENDS LATER)	http://bmjo	
		OKENE MAPAT (OTHER)	p en	
		TITI (SPECIFY)	B	
		PE NGEO/PE POYO (DON'T KNOW/DON'T REMEMBER)	1	
	PI ONYIRA KEKEN (FOR GIRLS ON		3 P	
313.	Do you feel able to tell a boy to stop doing something that makes you feel uncomfortable?	EE(YES)	Itamo ni itwero kobi awobi amoro keken me wekko timmo ginoro ama mio kwoo ni bedo atek? (Do you feel ble to tell a boy to stop doing something that makes you feel uncomfortable?)	
		PE(NO)	you jeer uncomjortable:) (9	
314.	During the last 3 months, has a boy done something to scare or intimidate you on purpose?	EE (YES)	Ikine me dwete 3 okato, awebi moro otimo ginoro me miyi lworogiyo buri kun onwongo yie tye amitto During the last 3 months, has a boy don something to scare or intimidate you on purpose?)	

		BMJ Open	1136/bmjopen-2021-05
			njope
			n-20
		PE (NO)	21 -0
315.	During the last 3 months, has a	EE (YES)	Ikine me dwete 3 okato, awabi moro
	boy touched you on your		ogudu kwon dudi nyo cakki abongo
	buttocks or breasts without		twero ni (During the last 3 months, has
	your permission?		a boy touched you on your battocks or
			breasts without your permisङ्क्यैon?)
		PE (NO)	2022
	PI OWOBE KEKEN(FOR BOYS ON	LY)	<u>;</u> D
316.	During the last 3 months, have	EE (YES)	Ikine me dwete 3 okato, itimo ginoro
	you done something to scare or	6	me miyo nyako moro lworo ayo bure
	intimidate a girl on purpose?		ame onwongo yi amitto (Duging the last
			3 months, have you done something to
		\\\\.	scare or intimidate a girl on ந்பூrpose?)
		PE (NO)	http://
317.	During the last 3 months, have	EE (YES)	Ikine me dwete 3 okato, imako kwon
	you touched a girl on her		dud nyo cak a nyako moro agongo
	buttocks or breasts without her		twero mere (During the last 3 months,
	permission?	. (2)	have you touched a girl on her buttocks
			or breasts without her permission?)
		PE (NO)	on ,
			April 17, 2024 by
			17,
			202
			24 b
			ues
			r. P
			rote
			cteo
			d by
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		1-202	
ALER PUPARA ABIRO (7) AME TY AMINA, 'AN, OMINA KEDE AMIN kakare i piny. MY WEEK: SPREAD OF PAPER LABELED AS "ME," "BI SISTER," AND "OTHER". Once the kob ni: pi gin ame owot timo ica apeny mogo, eka yin ite keto cal next activity, I am really only into	TE KEDE COC IYE ACALO 'AN', 'OMINA', IA' KEDE 'NGAT-OKENE' ka otyeko gini OUT PICTURES OF ACTIVITIES WITH CAR ROTHER," "SISTER," "ME & BROTHER," Bey have put the cards in the containers, wa ni, gam akwako omege ni kede am	keto kad i yii kebe, gur agam an tye APTIONS. PUT OUT THE SEVEN (7) PIECES "ME & SISTER," "ME, BROTHER & CIRCLE the appropriate options below. ege ni me toto acel keken. an apenyo e nyutu nga ame tio kodi tico (4): For the sisters. I will ask some questions and	
Apeny Question	Agam atye Options	tp://b	
GIRLS: Do you have any brothers living in your household currently? BOYS: Do you have any sisters living in your household	EE (YES)	ANYIRA: Itye kede omege nime tye abedo kedi paco aman? (GIRLS: Do you have any brothers living in your household currently?) AWOBE: Itye kede amege ni mogo ame tye abedo	

		BMJ Open	1136/b
			136/bmjopen-2021-053
			en-202
		MUKENE(NGATOKENE)	21-05
	a) Carrying water		a) Oomo pii (Carrying wa\(\frac{1}{2}\)r)
	b) Washing dishes		b) Lwokko jami (Washing dishes)
	c) Preparing food		c) Yikko gin acama (Prepering food)
	d) Digging in the garden		d) Pur (Digging in the garden)
	e) Sweeping the compound		e) Weyo dyekal (Sweeping) the compound)
	f) Carrying wood	6	f) Ommo yen (Carrying wood)
	g) Going to school	00	g) Wot I cukul(Going to scalool)
	h) Studying	604	h) Kwan <i>(Studying)</i>
	FOR GIRLS ONLY	· ·	ttp://b
320.	During the last week, did your brother(s) help you with your chores?	EE (YES)	Ikine me cabit okato,omini (amege ni) obin okonyi kede tici me pago? (During the last week, did your brothar(s) help you with your chores?)
		PE (NO)	you with your thorest,)
321.	Have you ever talked to your parents or another adult about your desire to continue your studies?	EE (YES)	Kong iloko kede onywalli nyo ngatoro okene adit amako tami me medde kede kwan? (Have you ever talked to you parents or another adult about your desire to
		PE (NO)	continue your studies?)
	FOR BOYS ONLY	1	continue your studies?) Quest. Protect
			<u>0</u> O

•	•	N
During the last week, did you	EE (YES)	lkine me cabit okato, ibin ikoʻʻjyo
help your sister(s) with her (or		amini/amege ni kede ticere dic gi me
their) chores?		paco? (During the last week, aid you help
		your sister(s) with her (or the r) chores?)
	PE (NO)	22
Have you ever told your	EE (YES)	Kong ibin iloko kede onywalt, nyo
parents/guardians that it is		ngatoro okene adit, amako ker amedde
important for your sister(s) to		kede kwan amini/amege niℜ(Have you
continue studying?		ever told your parents/guar∰ans that it
		is important for your sister(\$\frac{3}{2}\$ to
	6	continue studying?)
		<u>α</u> Θ
		<u>α</u> ±
		<u>q</u>
	PE (NO)	<u> </u>
		h tt
	help your sister(s) with her (or their) chores? Have you ever told your parents/guardians that it is important for your sister(s) to	help your sister(s) with her (or their) chores? PE (NO) Have you ever told your parents/guardians that it is important for your sister(s) to

SECTION 4: RELATIONSHIPS AND COMMUNICATION

Aman amitto lok kedi ikom wat ikin yin kede onywali, jo adongo okene kede owote ni; medo ikom mano, amitto kedi ikom aloka loka me kom ame itye inenno ikomi ka dong idoko dano adit.

Now I would like to talk about your relationship with your parents, other adults and friends; additionally, I would like to talk about the changes you are experiencing as you grow up.

401.	(Have you started experiencing any of the physical and emotional changes that take place during puberty?)	EE (YES)	Icako nenno aloka loka moro ikomi, nyo I cunyi ame nwongo timere acalo adwogi me dongo dokko dabo otego?(Have you started experiencing any of the physical and emotional changes that take place during puberty?)
		PE (NO)	The straiges that take place during publity;

		BMJ Open	136/bmjopen-	
			jopen-202	
402.	Is there an adult in your life that you would feel comfortable talking to about a concern that you have? PROBE: If yes, who? MARK RESPONSE IN SPECIFY	EE (YES)	Tye ngatoro adit I kwo ni ame igeno dok itwero lok kede amako kit peko moro keken ame itye kede? (Is there an adult in your life that you would feel comfortable talking to about a concern that you have?) PENY: Ka ee, nga?	
		PE (NO)	22.	
	0,	TITI (SPECIFY)	Download	
		V _O	ed ===	
403.	During the last 3 months, have you talked with any adult about romantic relationships or changes during puberty?	EE (YES)	Ikine me dwete 3 okato, kong iloko kede ngatoro adit amako wat ikin icoo kede dako nyo aloka loka ame timere ka idokko dano otego? (During the last 3 months, have you talked with any adult about romantic relationships or changes during puberty?)	405 if Girl 406 if Boy
		PE (NO)	on	
404.	Who have you spoken with? PROMPT ONCE: Have you spoken with anyone else? MULTIPLE RESPONSES POSSIBLE.	MAMA (MOTHER)	Iloko kede nga? (Who have≇ou spoken with?) PENY ICEL: Iloko kede dok nætoro okene? GAM APOL TWERE (MULTIPUE RESPONSES POSSIBLE.)	
		BABA (FATHER)		
		ANTI (AUNT)	tecte	
		NERO (UNCLE)	d by c	
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1136/bmjopen-202

		OKENE MAPAT (OTHER)	27-0
		TITI (SPECIFY)	32
405.	(GIRLS ONLY) In the last three months, have you talked with anyone about how to take care of yourself when you have your period?	EE (YES)	(ONYIRA KEKEN) I kine me dwete adek okato, kong iloko kede ngatoro amako kite me gwokko komi teki itwe inenno two dwe ni? ((GIRLS ONLY)) the the last three months, have you talked with anyone about how to take care of yourself when you have your period?)
		PE (NO)	qade
406.	(Now I want you to think about conversations you had with adults during the last month. Did you talk about any of the following topics)	EE (YES)	Aman amitto ni kong itam kong lok ame iloko kede ngatoro adit I dwe okato. Iloko wunu ikom jami magi: Now I want you to think about conversations you had with adults during the last month. Did you talk about any of the following topics)
		PE (NO)	bom/
		PE POYO(DON'T KNOW)	on Apr
	a) Physical or emotional changes during puberty.		a) Aloka loka me kom kede cuny ikare me dongo doko ngat otego (Physical or emotional changes during puberty) y guegg
	b) How ideal men and women should behave).		b) Kit ame coo kede mon ikokome bedo kede (How ideal men and women should behave).

		BMJ Open	1136/bmjopen-2
			open-202
	c) Romantic feelings or relationships		c) Mit nyo wat ikin icoo kede dako (Romantic feelings or relationships.)
	d) What to do if someone touches you in a way that makes you feel uncomfortable		d) Gin me atima teki ka ngatoro omaki iyore ame pe yomo yi (Whato do if someone touches you in a way that makes you feel uncomfortable)
	e) How to take care of your body		e) kite me gwokko komi. (Han to take care of your body) Ownload
407	Let's change the topic now, and talk about taking care of your health. I am going to read you a few statements and I want you to tell me if you AGREE or DISAGREE.	OYEE (AGREE)	Wek kong olok ikom gin okene, man amako gwokko yotkomi. Abino kwanni nyig lok mogo anonok eka ate mitto ni ikoba ka IYEE nyo PE IYEE (Let's change the topic now, and talk about taking care of your health. I am going to read you a few statements and I want you to tell me if you AGREE or DISAGREE.)
	a) I know where to go if I need services to take care of my health.	PE OYEE(DISAGREE)	a) Angeo kwene ame myerogawot iye ka amitto kony amako yotkoma (I know where to go if I need services to take care of my health.)
	b) I am able to reach this place without too much difficulty)		b) Atwero tunu i kabedo an abongo peko moro(l am able to reach this place without too much difficulty)
	c) I am confident that I could seek these services if I wanted them.		c) Atye kede tek cuny ni atwero kwayo pi konyoro keken ka yia amitto (I am confident that I could seek these services if I wanted them.)

SECTION 5: GENDER ATTITUDES

Aman dok akwanni nyig lok mogo. Kong ite titta kace iyee nyo pe iyee ikom nyig lok magi

Now I am going to read some statements to you. Please tell me whether you agree or disagree with each statements.

			<u> </u>
501.	A man should have the final	OYEE (AGREE)	Icoo myero dong lok me agiরু I paco
	word about decisions in the		amako mokko tam. (A man should have
	home.		the final word about decisions in the
			home.)
	O	PE OYEE (DISAGREE)	Down
502.	Boys and girls should be equally	OYEE (AGREE)	Awobe kede anyira myero gm ducu otii
	responsible for doing household		tic me paco arom aroma (Bays and girls
	chores.		should be equally responsible for doing
			household chores.)
		PE OYEE (DISAGREE)	http://
503.	If someone insults a man, he	OYEE (AGREE)	Ka ngatoro onywaro icoo, eßmyero tii
	should defend his reputation	C /	ikome kede gero oromo pier nwongo
	with force if he has to.		obedo alane ka mitte amano (If
			someone insults a man, he should
			defend his reputation with force if he
			has to.)
		PE OYEE (DISAGREE)	Apri
504.	There are times when a woman	OYEE (AGREE)	Tye kare ame myero kom pwod mon
	deserves to be beaten.		(There are times when a wongan
			deserves to be beaten.) $\overset{\aleph}{4}$
		PE OYEE (DISAGREE)	by gu
505.	If there is a limited amount of	OYEE (AGREE)	Ka cente moro tye anonok α <mark>β</mark> e romo me
	money to pay for school fees, it		cullu kwan, myero kong tii kæde ikom
	should be spent on sons first.		otino awobe (If there is a lingited
			amount of money to pay for school fees,
			it should be spent on sons first.)
	1	I .	, , , ,

		BMJ Open	1136/bm
			136/bmjopen-2021-05
		PE OYEE (DISAGREE)	05
506.	A girl cannot become an ideal woman until she has had a child.	OYEE (AGREE)	Nyako pwod pe romo dokkodako ikwanyo ka onywalo atin (Agirl cannot become an ideal woman until she has had a child.) ≤
		PE OYEE (DISAGREE)	ar ch
507.	Giving a bath and feeding kids are the mother's responsibility.	OYEE (AGREE) PE OYEE (DISAGREE)	Lwokko kede miyo otino cerk obedo tic a dako (Giving a bath and feeding kids are the mother's responsibility.)
508.	Boys should have more free time than girls.	OYEE (AGREE) PE OYEE (DISAGREE)	Awobe myero bed kede cawa oromo me lalata ikato anyira (Boys should have more free time than girls.)
509.	It is more important for a girl to help at home and learn household activities than to spend time studying.	OYEE (AGREE)	Pire tek tutwal me anyira konyo I tic me paco eka ote pwonynyo ginigic ducu me paco kaka ballo cawa I kwang (It is more important for a girl to help at home and learn household activities than to spend time studying.)
		PE OYEE (DISAGREE)	April
			rll 17, 2024 by guest. Protected by copyright

			02
	APOL AME TYE KEDE CALE NYO I PREP: GET OUT THE CARDS WITI PICTURES OF A MAN ONLY, A W agiki. Magi kad ame tye kede ny	COO KEKEN, DAKO KEKEN, KEDE DONG I H 15 CHARACTERISTICS ON THEM. LAY O OMAN ONLY, AND A MAN AND A WOMA ig lok ame jo maro kobbo me poro coo k	<u> </u>
	Here are cards with words peop	a man and a woman. Take a card with a v belongs.	ve laid out pieces of paper with poictures of word on it, read the word on it and place it
			nloaded from http://bmjo
510.	a) Masculine Characteristics CIRCLE ALL PLACED UNDER PICTURE OF MAN	Amii jami(provider)	a) Jami amako coo Masculine Characteristics GUR KAD DUCU AME TYE ITE CAL ICOO. CIRCLE ALL PLACED UNDER PCTURE OF MAN April 17
		Bed awor(submissive)	, 2024
		Gwokko(Nurturer)	1 by g
		Ger(Violent)	by guest.
		Ryek (Intelligent)	Prote
		tela(Leader)	Protected by
		Nyek(jealous)	by co

eminine Characteristics CLE ALL PLACED UNDER	Kome tek(strong) Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful) Wie tio(Wise)	136/bmjopen-2021-053203 on 22 March 2022. Downloaded from b) Jami amako mon Feminine Characteristics
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Mwol(tender) Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Tye I gupu(powerful) Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	on 22 March 2022. March 2022. Downloaded from
	Ber(good) Wor(Obedient) Agen(Faithful) Wor(Respectful)	March 2022. Downloaded from b) Jami amako mon
	Wor(Obedient) Agen(Faithful) Wor(Respectful)	March 2022. Downloaded from b) Jami amako mon
	Agen(Faithful) Wor(Respectful)	b) Jami amako mon
	Wor(Respectful)	b) Jami amako mon
		b) Jami amako mon
	Wie tio(Wise)	b) Jami amako mon
	-666 -	b) Jami amako mon
TURE OF WOMAN	CV.	GUR KAD DUCU AME OKETOTTE CAL A DAKO CIRCLE ALL PLACED UNDER PECTURE OF WOMAN
Masculine and Feminine racteristics	10	c)Jami amako coo kede mon 3. Masculine and Feminine Characteristics GUR KAD DUCU AME OKETO TE CAL ICOO KEDE DAKO CIRCLE ALL PLACED UNDER PECTURE OF MAN AND WOMAN 17
		У 9
v often do you listen to the io?(READ THE OPTION OUT ID)	NINO NINO (ALMOST EVERY DAY)	Imaro winyo redio pi kare aram kwene? (How often do you listen to the radio?) by co
ir O	SURE TO INTERVENTION Ing otyekko atyeka. Aman, a re almost finished. Now, I wo recently. I often do you listen to the to:(READ THE OPTION OUT	SURE TO INTERVENTION Ing otyekko atyeka. Aman, amitto penyi apeny ikom kwone kwena The almost finished. Now, I would like to ask you questions about differently. To often do you listen to the openyi apeny ikom kwone kwena NINO NINO (ALMOST EVERY DAY) TO OFTEN OPTION OUT

		BMJ Open	136/bmjopen-20	
			pen-202	
			(KWAN GIN MAN ALONGO (READ THE OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST ONCE A WEEK)	22 X	
		ICEL ICEL I DWE ACEL (AT LEAST ONCE A MONTH)	March 20	
		PE KOM ATWAL (NOT AT ALL)	2022. D	605
602.	What radio stations do you usually listen to? (MULTIPLE RESPONSES POSSIBLE)	MEGA FM	Citecen mene ame imaro wigyo? (What radio stations do you usuall glisten to? (AGAM APOL TWERE)	
		CHOICE FM	from	
		RADIO LIRA	m htt	
		VOICE OF LANGO FM	p://b	
		OKENE MAPAT (OTHER)	mjo	
		TITI (SPECIFY)	9e n.r.	
603.	In the last 3 months, have you heard any radio broadcasts on the following:	EE(YES)	I kine me dwete 3, kong iwinyo puruguram moro ame otye aleyo iye lok magi: (In the last 3 months, have you heard any radio broadcasts on the following)	
		PE(NO)	7, 2	
		PE POYO(DON'T KNOW)	2024 b	
	a) How ideal men and women should behave)		a) Kit ame coo kede mon myero bed kede (How ideal men and women should behave)	

	BMJ Open	1136/b
		136/bmjopen-20;
b) Physical, emotional or social changes during adolescence		b) Aloka loka anen ikom, cury dano ka tye adokko dano otego (Physical, emotional or social hanges during adolescence)
c) Romantic feelings or relationships)		c) Miti nyo wat ikin coo ked mon (Romantic feelings or relationships)
d) Young people using family planning methods to prevent pregnancy	000	d) Jo atino atye atic kede yofe me lago nywal me gengo yac (Young people using family panning methods to prevent pregnane)
e) Men and women making decisions together in the home	le l'el	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making degisions together in the home)
f) Teasing, bullying or violence between boys and girls or men and women		f) Bokko, buro nyo gero ikin owobe kede onyira nyo coo kede mon (Teasing, bullying or violence between boys and girls or men and women)
g) Role of boys and girls in the home		g) Tic owobe kede onyira i kth paci (Role of boys and girls in the glome)

		BMJ Open	136/bn	
			36/bmjopen-202	
	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marrage until they are 18)	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore me lago nywal me diro kare me nywallo atin gi okene (Young parents using family planning methods to delay the birth of their next child)	Skip to 605 If NO for all
	j) Girls staying in school)	000	j) Onyira ame tye I cukul (Girls staying in school)	
604	What was the name of the program?	COO PINY (SPECIFY)	nying puruguram man onwongo obedo ngo? (What was the name of the program?)	606 if Oteka mentioned
605	Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	KAKARE (YES)	anaka ni kong iwinyo puruguram moro me tuku goga I redio ame olivongo ni Oteka? Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	
		KUU (NO)	7, 202	618
606	On what radio station did you hear Oteka?	MEGA FM	iwinyo puruguram me Oteka redio mene? On what radio stationedid you hear Oteka?	
		CHOICE FM	F*	
		RADIO LIRA	ected	
		VOICE OF LANGO FM	by co	
			Protected by capyright	

		BMJ Open	1136/bmjopen-202
		UNITY FM MUKENE MAPAT (OTHER) COO PINY (SPECIFY)	2021-053203 on
607	In the last 6 months, how often have you listened to Oteka?	EVERY WEEK	I dwete abicel okato angec, winyo Oteka tye adii? In the last 6 nonths, how often have you listened to Oteka?
	0/	MOST WEEKS OCCASIONALLY) bwnloade
608	When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS. MARK ALL RESPONSE OPTIONS MENTIONED.	cawa ame otuku I yee pe tye aber (Time of broadcast is not convenient)	ka pe iwinyo Oteka, nwongrigo ngo omio pe iwinyo? When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS. MARK ALL RESPONSE OPTIONS MENTIONED.
		wia wil oko (I forget) jo okene en aye moko tam ikom winyo redio (Other people decide on radio use) radio na pe tye (Don't have own radio)	on April 17, 2024 by
		batri pe tye (No batteries) tama pe iye (Not interested)	guest. Prote
609	Where do you usually listen to Oteka?	paco (HOME)	puruguram man imari winyogikwene? (Where do you usually listen to Oteka)

		BMJ Open	136/bmjopen-202
			oen-202
		I cukul (SCHOOL)	
		kanica (CHURCH)	1-053203
		ite gurup (PLATFORM GROUP OR CLUB)	on 22 N
		I poto (FARM)	Лаrch
		en okene (OTHER)	2022
	^	COO PINY (SPECIFY)	2. Do
610	Which character is most like you? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO KOMAKETCH ORACH MUKENE MAPAT (Other) COO PINY (SPECIFY)	nga ame inwongo ni tye balayin I puruguram man? (Which charcater is most like you?) SHOW CARDS WITH CHARACTER NAMES AND HASE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.
611	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro aloo I tuku goga no? (Which character do you most admire?)SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPOND OF NT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.
		AKETCH	ted by cop
	<u> </u>		<u> </u>

		BMJ Open	1136/bn	
			136/bmjopen-2021-053203	
		KOMAKETCH	21 -0.5	
		ORACH	53	
		MUKENE MAPAT (Other)	Š	
		COO PINY (SPECIFY)	22 X a	
612	Which character do you most dislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	OKIDI	nga ituku man ame dong cubyi pe maro aloo? NYUT KAD AME TYE KEEE NYING OTUKU APAPAT. MI AGAM APENY ME YERO NYING ACEL. Which character do you mosedislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		NYERO	/omjo	
		KOMAKETCH	pen.b	
		ACAYA	mj.co	
		ORACH	m/ on April 17,	
		MUKENE MAPAT (Other)	April	
		COO PINY (SPECIFY)	17, 2	
			2024 by guest. Protected by copyright.	

		BMJ Open	136/bmjopen-	
			open-202	
613	What were the main topics discussed on Oteka? PROMPT: What other topics? UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OPTIONS MENTIONED.	mara (LOVE)	kodi wii kop ango ame obede leyo I puruguram man? (What were the main topics discussed on Otel (2) UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OPTIONS MENTIONED.	
		wat ikin coo kede mon (RELATIONSHIPS BETWEEN MEN AND WOMEN)	Downlaaded from	
		kwan anyira (GIRLS EDUCATION)	http:	
		wat ikin onywal kede otino gi (RELATIONSHIPS BETWEEN CHILDREN AND PARENTS)	//bmjopen.bmj.com/	
		gum me kwan pi jo atino (EDUCATIONAL OPPORTUNITIES FOR YOUNG PEOPLE)		
		lara lobo (LAND CONFLICTS)	on April	
		en okene (Other)	ril 17	
		COO PINY (SPECIFY)	, 202	
614	Have you talked to others about these topics you heard on Oteka?	ee (YES)	iloko kede ngotoro keken ikom kop ame iwinyo I puruguram man I redio? (Have you talked to others about the se topics/topics you heard on the radio program?)	
		pe (NO)	cted by	616

		BMJ Open	136/bm	
			136/bmjopen-20:	
515	With whom did you talk about these topics? MARK ALL RESPONSE OPTIONS MENTIONED	papa (Father)	nga ame iloko kede ikom kog ame iwinyo I puruguram man? (With whom did you discuss these capics?) MARK ALL RESPONSE OPTIONS MENTIONED	
		kwaro (Father-in-law)	March	
		mama (Mother)	202 <u>2</u>	
	(0)	atat (Mother-in-law)	·	
		wat okene (other relative)	Downloaded	
		alwak (PEER) jo me gurup (GROUP MEMBERS)	ed from	
		en okene (Other)	-	
		COO PINY (SPECIFY)	ttp://Emjop	
616	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kede wur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from those activities?)	
		pe (NO)	7, 20	618
617	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omi miti? (What surprised or interested you?)	

		BMJ Open	136/bmjopen-20	
			oen-202	
618	Do you belong to any	ee (YES)	itye i gurup i kin paco onyo i cukul?	
	community or school group(s)?		(Do you belong to any community group?) යි	
		pe (NO)	22 Mar	624
619	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwan i yate-iyore: (Which community group do kou belong to? READ DOWN LIST)	
		pe (NO)	nioad	
	a)Religious organization	P	a) gurup me dini <i>(Religious ogganization)</i>	
	b) Village savings and loan group	To.	b) Gurup me bol icap (Village savings and loan group)	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab pa butu (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other) f) COO piny (SPECIFY) pri: 17, 20 24 by	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
620	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adii? 일 How often does your group meet?	
		dwete aryo icel (EVERY TWO WEEKS)	Prote	
		dwe acel icel (ONCE A MONTH)	otedted by copyright.	
		icel-icel (OCCASIONALLY)	уу сој	

		BMJ Open	1136/bmj	
			en okene (Other) COO PINY (SPECIFY)	
		en okene (Other)	en okene (Other)	
		COO PINY (SPECIFY)	COO PINY (SPECIFY)	
621	Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiri? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG)	
		pe (NO)	nloaded fro	624
622	Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	ibedo atye itic'oro keken ame otio kede kad me tuku? (Did you participate in an activity using these cards and games?)	
		pe (NO)	mj.com/ on	624
623	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG READ OPTIONS OUT LOUD.	icel (ONCE)	tyen adii ame ibedo iti ame olio kede kad karacel kede tuku? (KWAN NYIG LOK AME OCOO PINY) (How often have you participated in an activity using these cards and games?)	
		icel-icel (OCCASSIONALLY)		
		kare-ikare (OFTEN)	Protected by	
			<u>а</u> 	<u> </u>

		BMJ Open	36/bn	
			136/bmjopen-	
		,	202	
24	Have you ever participated in	ee (YES)	anaka ibedo i tic ame otio ke्र्रोe gini?	
	an activity that used this		(Nyut kad pi dul tic apapat. Wek agam	
	material?		apeny yer en ame en otio keæ, eka ite	
	LAY PICTURE CARDS OF EACH		gweto ni EE pi tic ame oyero nede PEE pi	
	TOOLKIT COMPONENT OUT.		tic ame pe oyero) (Which activities or	
	HAVE RESPONDENT SELECT		games have you used/partici ह् ated in ?	
	EACH ONE THAT THEY HAVE		ASK "HAVE YOU EVER PARTI PATED IN	
	USED. MARK YES FOR ALL		AN ACTIVITY THAT USED THIS	
	COMPONENTS THE		MATERIAL?" (SHOW CARDS POR EACH	
	RESPONDENT SELECTED AND		TOOLKIT COMPONENT))	
	NO FOR THOSE NOT SELECTED.		'nlo	
	*	pe (NO)	ade	
	→		ed. fr	
			loaded from	
	a) Board Game		http:	
	b) Activity Card	70.	//bmjc	
	c) Boys flipbook	Vi	oen.	
	d) Girls flipbook	(0)	amj. co	
	e) Radio Discussion Guide) N	626 if NO
			on /	to all
525	How often did you use each of	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyero ਸ਼ੁੰ, itio ked gi	
	the materials you selected?		pi kare arom kwene? (TII KEDE KAD	
	REFER TO CARDS SELECTED IN		AME OYERO I 625 ITE GWET® PI EN	
	625 & MARK RESPONSES FOR		AME ONWONGO OYERO KEKEN)How	
	ONLY THOSE PREVIOUSLY		often did you use each of the materials	
	SELECTED		you selected? REFER TO CAR S	
			SELECTED IN 625 & MARK RESPONSES	
			FOR ONLY THOSE PREVIOUSLEY SELECTED	
		I kare okene (EVERY OTHER	ect	
		SESSION)	ed t	
		I cel-icel (A FEW SESSIONS)	у c	
			copyright	

		BMJ Open	136/bn
			136/bmjopen-2021-053203
		icel (ONCE)	21-05
	a) Board Game		33203
	b) Activity Card		on 22
	c) Boys flipbook		2 March
	d) Girls flipbook		ra h 20
	e) Radio Discussion Guide		2022. D
626	In the last 3 months, have you discussed any of the following in these groups	ee (YES)	idwete adek okato ni, i laro wunu lok magi i gurup wu? (In the last 3 months, have you discussed any of the following in these groups:)
		pe (NO) pe poyo (DON'T REMEMBER)	n http://k
	a) How ideal men and women should behave	P/O	a) kit ame coo kede mon mero bed kede? (How ideal men and women should behave)
	b) Physical, emotional or social changes during adolescence		b) Aloka loka ame bedo ikom, I cuny, onyo ikite me kwo ikare me tego? (Physical, emotional or social changes during adolescence)
	c) Romantic feelings or relationships		c) cuny me mit kede winyere me mit ikin icoo kede dako? (Romantic feelings or relationships)
	d) Young people using family planning methods to prevent pregnancy		d) onywal atino myero tii kede yore me lagoro nywal me gengo yac (Young people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home		e) coo kede mon moko tam gi karacel I ot (Men and women making glecisions together in the home)

	f) Teasing, bullying or violence		f) yelo anyira, bura onyoo lweny ikin	
	between boys and girls or men		owobe kede anyira, onyo ikin coo kede	
	and women		mon (Teasing, bullying or violence	
	and women		between boys and girls or men and	
			women)	
	g) Role of boys and girls in		g) Tic pa owobe kede anyira paco (Role	
	the home		of boys and girls in the home?	
			N N	
	h) Young people delaying		h) awobe kede anyira galo Ryomere	
	marriage until they are 18		naka ka oromo gini mwaka 18 (Young	
			people delaying marriage unॿॗ॔l they are	
			18) <u>a</u>	
	i) Young parents using family		i) onywal atino myero tigkede yore	
	planning methods to delay the		me lagoro nywal me rii kedenywalo	
	birth of their next child)		atin okene (Young parents uङ्गेng family	
			planning methods to delay the birth of	
			their next child)	
	j) Girls staying in school	· (Q)	j) otino anyira mede kede kwan Lutino	
			anyira mede ki kwan (Girls staying in	
			school)	
627	Was there anything that	ee (YES)	onyo ginoro oweki kede wub, onyo miti	
	especially surprised or		iyonge tic wu no?	
	interested you from those		(Was there anything that especially	
	activities?		surprised or interested you from those	
			activities?)	
			7,	
		pe (NO)	2024	629
628	What surprised or interested	COO PINY (SPECIFY)	ngo ame oweki kede wur on∳o oweki	
	you?		kede miti?	
	,		(What surprised or interested you?)	
			P	
			Ot ex	
			otected by copyright	
			y by	
			7 00	
			руг	
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			÷	

l 136/bmjopen-202

Did you discuss these topics	ee (YES)	ileyo tam man kede jo okene oyonge	
with other people after playing		tuku tic man? (Did you discပုံခြွဲ these	
these activities?		topics with other people after playing	
		these activities?)	
		. 22	
	pe (NO)	Mar	631
_		dh 20	
With whom did you discuss	toto (MOTHER)	ileo tam magi kede nga?	
these topics?		1	
		tonics?)	
MARK ALL RESPONSE OPTIONS		oa ad	
		ē d	
	papo (FATHER)	fron	
		5	
	omege kede amege (SIBLINGS)	tp://k	
	oor (IN-LAWS)	mjop	
	jo me paco okene (OTHER FAMILY	en.	
	MEMBERS)	bmj	
	olwagi (PEER)	Coom	
	jo me gurp (GROUP MEMBERS)	on	
	en okene (Other)	pril 1	
	COO PINY (SPECIFY)	7, 202	
In the last 3 months, have any	ee (YES)	i dwete adek ame okato ni,agela moro	
religious/community leaders		me dini nho me kin paco oloko ikedi	
(identify by name) ever talked		ikom kop magi?	
about these topics?		(In the last 3 months, have any	
,		1 ·	
	pe (NO)	<u> </u>	
	' ' '	<u> </u>	
	with other people after playing these activities? With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED In the last 3 months, have any religious/community leaders (identify by name) ever talked	with other people after playing these activities? pe (NO)	with other people after playing these activities? pe (NO) pe (NO) With whom did you discuss these topics with other people after playing these activities?) With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED papo (FATHER) omege kede amege (SIBLINGS) oor (IN-LAWS) jo me paco okene (OTHER FAMILY MEMBERS) jo me gurp (GROUP MEMBERS) en okene (Other) In the last 3 months, have any religious/community leaders (identify by name) ever talked about these topics? it when the people after playing these topics with other people after playing these topics with other people after playing these topics with other people after playing these activities?) ileo tam magi kede nga? (With whom did you discuss these topics?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?) ileo tam magi kede nga? (With whom did you discuss these playing these activities?)

			N N	
		Wie pe poyo (DON'T REMEMBER)	1-05:	
	a) How ideal men and women should behave		a)kit ame coo kede mon my obed kede (How ideal men and women should behave)	
	b) Physical, emotional or social changes during adolescence)		b) Aloka loka ame bedo ikom, icuny, onyo ikit me kwo ikare me tego (Physical, emotional or social changes during adolescence)	
	c) Romantic feelings or relationships	ϕ_{0}	c) cuny me mit onyo wat ikinscoo kede mon (Romantic feelings or relationships)	
	d) The way men and women use power	Certa	d)kit ame cooo kede mon tigo kede teko kede twero (The way men and women use power)	
	e) Teasing, bullying or violence between boys and girls or men and women	erie.	e) tukku, bura onyo gero iki awobe kede anyira onyo ikin coo kede mon. (Teasing, bullying or violence between boys and girls or men and women)	
632	In the last 3 months, have you participated in any activity to improve your community? PROBE: If so, what?	ee (YES)	ikin dwete adek ame okato in gec, ibedo i ticoro keken me yubu kin paco wu? MEDE KEDE PENYO: Ka EE, itimo ngo? (In the last 3 months, have you participated in any activity to improve your community?PROBE:	
		pe (NO)	Pro	634
633	What activity did you participate in to improve your community?	COO PINY (SPECIFY)	tic ango ame ibedo itiyo me subu kin paco wu?	

		BMJ Open	1136/bm	
			136/bmjopen-202	
			(What activity did you participate in to improve your community?)	
634	Have you heard of a group in this community called CAG?	EE (YES)	lwinyu nying gurup moro ame olwongo ni CAG ikin paco kan? (Have you heard of a group in this community called CAG?) ≥	
		PE (NO)	2. Do	637
635	Have you ever participated in an activity organized by this group?	EE (YES)	ibedo iyuba me ticoro ame urup man en oyiko? (Have you ever participated in activity organized by this group?)	
		PE (NO)	http	637
636	What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	COMMUNITY SENSITIZATION	tic ango ame ibedo iye? COOAGAM DUCU What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	
		FIRE PLACE CHAT(WANG-00)	1 .com	
		HOME VISIT	99.	
		SUPPORT TO A YOUTH GROUP	April 1	
		EN OKENE (Other)	,7	
		COO PINY (SPECIFY)	2024 by	
637	In the last 3 months, have you talked with a village health team member or health provider?	EE (Yes)	I dwete adek okato angec, if ko kede dakatal me kin paco (VHT) on yo aticoro me yot kom? (In the last 3 months, have you talked with a village health team member or other health care provider?)	

		PE (No)	,	648
638	With whom did you talk?	naci (NURSE)	1-053203 on 22	
		acola (MIDWIFE)	22 March 2022	
	0,	atic me dakatal (MEDICAL OFFICER)	• · · · · · · · · · · · · · · · · · · ·	
		dakatal me kin paco (VHT)	Downloaced from h	
		en okene (OTHER)	ttp://bmjopen	
		kob mene (SPECIFY)	n.bmj.com/	
639	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	
		paco atic me yotkom (H/provider's home)	by guest.	
		paco na (My home)	-	
		I cukul (school)	P otected	
		ka gure a bulu (YOUTH CENTER)	cted by	

		BMJ Open	1136/bmjopen-2021-053203 on	
			oen-202	
		MARIE STOPES	21-05:	
		pe ngeo/ pe poyo (DK/Don't remember)	3203 o	
		pe ogamo (No response)	3 22 22 2	
		en okene (Other)	March	
		COO PINY (specify)	202:	
640	What did you talk about? PROBE: WHAT ELSE UNTIL NO MORE RESPONSES (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wun kede atic me yotkom? What did you talk to the health provider about?PROBE: WHAT ELSE UNTIL NO MORE RESPONSES MARK ALL OPTIONS MENTIONED), WHAT	
	(a) Sexually transmitted infection	pe (N0)	(a) twoe ame kobo ibutu (Sexually transmitted infection)	
	(b) Family planning	10/.	(b) lagoro nywal (kalo kin nywal) (Family planning)	
	(c) Immunizations		(c) agwera (Immunizations)	
	(d) injury			
	(e) illness		(e) Lit kom (illness)	
	ALCOHOL		(d) Awano (injury) (e) Lit kom (illness) kongo (ALCOHOL)	
	SAFETY		bedo aber (SAFETY)	
	EARLY MARRIAGE		nyomere con (EARLY MARRIAGE)	
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENCE	
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)	
	PUBERTY		dongngo doko ngat otego (PਊBERTY)	

			N)	
	MUKENE MAPAT (Other)		en okene (Other)	
	COO PINY (SPECIFY)		en okene (Other)	
641	Did you get the information/help you wanted	EE (YES)	ibin inwongngo ngec onyo kany ame onwongngo itye imoto? Did you get the information/help you wanted	
	_	PE (NO)	ch 20	
		Idyere-dyere (PARTIARLY	22.	
642	Did the provider refer you for	EE (YES)	ngat ame iwoto bote obin icwali bot	
	other services?	00	ngat okene ame twero miyi हैony ame onwongngo itye imito? Did ख़िंe provider refer you for other services? हो	
		PE (NO)	Э Э	644
643	What kind of services did the provider refer you for?	COO PINY (SPECIFY)	kodi kony ango ame dano no ocwali me wot nwongngo? What kind of services did the provider refer you for	
	Administer to only those who ta	lked to the VHT in Qn 638	n.bmj.	
	Now, we are going to talk about disagree with these statements.	•	e months, Please tell me if you agree or	
644	During my last visit with the VHT, she or he treated me with respect	yee (AGREE)	atic me yotkom oloko keda sede woro (During my last visit with the HT, she or he treated me with respect). ✓	
		pe yee (DISAGREE)	202	
645	(During my last visit with the VHT, she or he treated me with respect)	YEE (AGREE)	awinyo bala lok ame alokkokede atic me yotkom obedo imung ikia wan okede. (During my last visit wath the VHT, she or he treated me with respect)	
		PE YEE (DISAGREE)	ote	
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646	During my last visit, I felt my conversation with the VHT was private	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok ame alokko kede atic me yotkomobedo imung ikin wan okede. During my last visit, I felt my conversation wath the VHT was private)	
		PE YEE (DISAGREE)	∕lar	
647	I am confident that the VHT will not tell others about my conversation, during my last	YEE (AGREE)	atye kede tek cuny ni dakata me kin paco pe akobi jo okene kop me wan oleo kede, Ilimo na me agiki am confident that the VHT will net tell others about my conversation, during my last)	
		PEE YEE (DISAGREE)	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	
648	Do you use a mobile phone?	EE (YES)	itio kede cim?	
		PEE (NO)	//bmj	END
649	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANGO? What type of phone do you use?)	
		(FEATURE PHONE)	1 con	
		(SMART PHONE)	on .	
		MUKENE MAPAT (Other)	rimo ohedo meg'anga?	
		COO PINY (SPECIFY)	17, 20	
650	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga?	
		toto (MOTHER)	Jest.	
		papo (FATHER)	Prote	
		omego na kede amege na (SIBLINGS)	rotected	
		oor (IN-LAWS)	Ъ	
	•	•	<u>о</u> Ор	

o you have your own SIM ard?	jo okene me paco (OTHER FAMILY MEMBERS) olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES) PE (NO)	itye kede kad me cim? (Do you have your own SIM card?)
	MEMBERS) olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	olwagi (PEER) jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	jo me gurup (GROUP MEMBERS) en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	en okene (Other) kob mene (SPECIFY) EE (YES)	1 22 March 2022.
	kob mene (SPECIFY) EE (YES)	2022.
	EE (YES)	2022.
4	PE (NO)	lpaded fi
4		Q f
		3
that do you use your mobile none for? PROBE: What else ntil respondent indicates no rther uses. MARK ALL ESPONSES MENTIONED.	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your mobile phone for?)
	me gamo ka jo ogoo (RECEIVE PHONE CALLS)	bmj.co
	Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	om/ on Apri
	Yenyo ngec iyii intanet (ACCESS THE INTERNET)	
	Mako cal me video (TAKE PHOTO OR VIDEOS)	17, 2024 by
	Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	guest. Protected by copyright
	Me bedo I facebuk (ACCESS FACEBOOK)	tected
	Me tuku (PLAY GAMES)	by со
		SPONSES MENTIONED. me gamo ka jo ogoo (RECEIVE PHONE CALLS) Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY) Yenyo ngec iyii intanet (ACCESS THE INTERNET) Mako cal me video (TAKE PHOTO OR VIDEOS) Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS) Me bedo I facebuk (ACCESS FACEBOOK)

		BMJ Open	136/bn	
			njopen-20	
		me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	136/bmjopen-2021-053203 on	
		Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)		
	1 0/	Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	22 March 2022. Downloaded from	
		Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)	ded from h	
		Me kwanno balo me yimail (ACCESS EMAIL)	http://br	
		Tic kede twita (USE TWITTER)	mjopen	
		Pe Ngeo (DON'T KNOW) Pe I kan (NONE OF THESE)	.bmj.c	
653	How often do you send SMSes?	Tyen apol nino acel (SEVERAL TIMES A DAY)	Imaro cwalo messej I cim?(How often do you send SMSes?)	
		nine anonok I cabit acel (A FEW TIMES A WEEK)	pril 17,	
		nine anonok I dwee acel (A FEW TIMES A MONTH)	2024 b	
		Pe romo tyen acel I dwee acel (LESS THAN ONCE A MONTH)	y guest.	
		pe atwal (NEVER)	. Pro	
		Pe ngeo(DON'T KNOW)	Protecte	
654	How often do you receive SMSes?	tyen apol nino acel (SEVERAL TIMES A DAY)	imaro nwongngo messej I cimi tyen adii? (How often do you receive SMSes?)	
	0.1.0007	, ,	ругight.	_

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		nine anonok I cabit acel (A FEW TIMES A WEEK)	21-053203
		nine anonok I dwee acel (A FEW TIMES A MONTH)	On On
		Pe romo tyen acel I dwee acel(LESS THAN ONCE A MONTH)	22 March
		pe atwal(NEVER)	ch 2022
		Pe ngeo (DON'T KNOW)	
655	Do you currently use more than one mobile phone?	EE (YES)	itiyo kede cim akato acel? (De you currently use more than one mobile phone?)
		PE (NO)	from
656	Do you currently use more than one SIM card?	EE (YES)	itye itic kede line me cim akato acel? (Do you currently use more than one SIM card?)
		PE (NO)	pen.t
657	If you could receive SMSes with health information and tips, would you read them?	yee ducu (DEFINITELY YES)	ka onwongngo itwero nwongngo kwena ame kato icim, itwero kwanng?
		yee idyere-dyere (PROBABLY YES)	pril 1
		onyo pe(PROBABLY NO)	17, 2024
		pe yee (DEFINITELY NO)	24 by
		Pe ngeo (DON'T KNOW)	by gues

		202
	yi tutwal me miyo kare me lok ked wa. ony	o itye kede apeny ame imito penya
kede ?. That is the end of our in		53 20
	me and your willingness to share this inform	nation with us. Please, let me know if
you would like to ask me any que	estions.	n 22
		March
		2022.
		o Wn
GENDER ROLES EQUALITY AND TRANSFORMA	ATIONS (GREAT)	oac
ENDLINE HOUSEHOLD SURVEY	$\mathcal{O}_{\mathcal{O}}$	ed f
OLDER ADOLESCENT FORM (15-19, Not Marr	ied or Parents)-LANGI	ro m
		nttt
	' <i>f</i>	3://b
TODAY'S DATE//	101	Downloaded from http://bmjopen.bmj.co
Marath Br		en.l
Month Day Year	(0)	omi.
RESPONDENT CODE/	- H	RESPONDENT CODE \$\frac{3}{2}\]
		INTERVIEWER CODE 1
INTERVIEWER CODE		
District	AMURU	District 2
	LIRA	24 by
SUBCOUNTY	Lamogi	٧ 9
	Pabbo	guest
	Amuru Town council	Protected
	Bar	
	Amatch	by 8

		Ogur	1-0\$3203 on 22 March	
	1. RESPONDENT'S BACKGROUND		320	
	i amitto penyi apeny mogo anonok a		03	
(First I w	rould like to begin by asking you a few	v questions about yourself)	5 N	
			N M	
			arc	
NO.	OUESTIONS AND SUTERS	CODING CATEGORIES	TRANSLATION 8	SKIP
NO.	QUESTIONS AND FILTERS	CODING CATEGORIES	TRANSLATION NO.	SKIP
	7 0		D	
101.	Sex of respondent	ICOO (MALE)	Agam apeny obedo icoos nyo dako (Sex	
		<u></u>	of respondent) ত্র	
	,	DAKO (FEMALE)	led.	
102.	How old were you on your last	MWAKA MERE (Age in complete years)	Onwongo itye mwaka aव्हैंi ikare ame	
	birthday? [If the participant does	10h	ikwero kede nino me ny walli ni me	
	not know his/her age: "Can you	- / L	agikki? PENY KA AGAM APENY PE	
	tell me in what year you were		NGEO MWAKA MERE: "Fwero tita I	
	born?"]	6 1	dwe kede mwaka meneame onywali	
	[AGE TO BE CALCULATED AFTER		iye?" (How old were you <mark>≜</mark> on your last	
	THE INTERVIEW]	10 ,	birthday?) [If the particing ant does not	
		tevien	know his/her age: "Can gou tell me in	
			what year you were born?"]	
			[AGE TO BE CALCULATED AFTER THE	
			INTERVIEW] 설	
		DWETE (Month)	17,	
		MWAKA ONYWALE IYE (Year born)	2024	
		(PE NGEYO MWAKA) (Don't know age)	24 b	
103.	What is your religion?	ATOLI (Catholic)	Itye idini mene? (Whatais your	
		·	religion?)	
			ם יי	
		OGERI (Protestant)	ote	
		ACILAM (Muslim)	rotected	
		OLARE (Pentecostal)	by	
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			уугід	
			jht.	

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			136/bmjopen-2021-0 5 3	
		OKENE (Other)	27-0	
		TITI (Specify)) 5 32	
104	Which tribe do you primarily identify with?	ACHOLI	Rok ni obedo mene? (Which tribe do you primarily identify with?)	
		LANGO	7 20 22 22	
		ATESO	2 <u>2</u> 2. D	
		KUMAM) wn	
		MA'DI	oa	
		OKENE MAPAT (OTHER)	oa de d	
		TITI (SPECIFY)	from	
105.	What is the highest level of school you attended?	PE MORO (None)	Ikwano igik ikilaci adi? What is the highest level of school you attended?)	
		PURAIMARI (Primary)	n jo	107
		CINIA 4 (O level)		107
		CINIA 6 (A level)	<u>j</u> .	107
		UNIBACITI (University)	on a	107
		KA KWAN ADWONG (Tertiary)	on	107
106.	What is your primary reason for not having attended school (MULTIPLE RESPONSES POSSIBLE.)	MYERO TII PI OCARA (Need to work for a wage)	Tyen kop ango ame ogeogi kwan? (What is your primary reason for not having attended school) (MULTIPLE RESPONSES POSSIBLE.)	110
		MYERO TILI PACO (Need to work at	by	110
		home)	9c 9c	110
		CENTE ME KWAN PE (No funds for school fees)	St. P	110
		ONYWAL PE MITO (Parents don't want)	rotte	110
		LWENY OBALO KWAN OKO (Disrupted by war)	guest. Protected by cop	110
			· cop	T.

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			136/bmjopen-2021-0532	
			21 -053	110
107.	Are you currently in school?	EE (Yes)	Aman itye icukuloro? (Are you	
		PE (No)	Currently in school:) N S	110
108.	Do you plan to continue studying?	EE (Yes)	Itye kede pulan me medde kede kwanni? (Do you plan to continue studying?)	110
		PE (No)	Dov	
109.	What is your primary reason for not continuing your studies?)MULTIPLE RESPONSES POSSIBLE.	YAC (Pregnancy)	Tyen kop ango ame gengi mede kede kwan? (What is your pramary reason for not continuing your studies?)	
		MYERO TII PI OCARA (Need to work for a wage)	http://	
		MYERO TII I PACO (Need to work at home)	bmjope	
		CENTE ME KWAN PE (No funds for school fees)	n.bmja	
		ONYWAL PE MITO (Parents don't want)	00 m	
		OTYEKO KWAN (Has completed education)	on April 17,	
		LWENY OBALO KWAN OKO (Disrupted by war)		
		OKENE MAPAT (OTHER)	2024	
		TITI (SPECIFY)	l by	
110.	Do you have a job or do you carry out an activity for which you receive an income or earn a profit?	EE (Yes)	Itye kede tic ma itimo of yo ginoro ame himo akelo li mite cao no on on on on on on on one on one of the carry out an activity for on one or each a profit?)	

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		PE (No)	11-0532	112
111.	What is your occupation, that is what kind of work do you mainly do?	TITI (Specify)	Itimo ngo, man aye kit kodi tic mene ame imaro tiyo kare ducu? (What is your occupation, that is what kind of work do you mainly do?	
	_	AGAM PE (No response)	S S	
112.	Are you the head of the household?	EE (Yes)	Yin aye iloo wi paco ame ibedo iye no? (Are you the head of the household?)	201
		PE (No)	wnl	
113.	Is the head of household under the age of 20?	EE (Yes)	Ceni ngat aloo wi paco nty tye ame mwaka mere pe tunu 2 nty (Is the head of household under the age of 20?)	
		PE (No)	tp://	
114.	What is your relationship to the household head?	APAE (Spouse)	Wati kede ngat aloo wi paco man tye ningo? (What is your relationship to the household head?)	
		ATIN (Child)	mj.c	
		AKWAR (Grandchild)	WOO.	
		WAT OKENE (Other relative)	o o	
		TITI (Specify)	Apri	
		NGAT OKENE APE WAT (Other non-relative) .99	117, 202	

SECTION 2: NORMS AND ATTITUDES AROUND RESPONDENT'S DAILY INTERACTIONS IN THE COMMUNITY

Amito dong aman penyi kede apeny mogo anonok amako tici me nino nino kede bedo ni kede jo ikin paco ni. Tutwalere atye ka amitto ngeyo kit ame jami magi kwako otino ni ame yin inywalo

(I would now like to ask you a few questions about your day-to-day activities and interactions in your area. I am really only interested in how these relate to your biological siblings.) $^{\aleph}$

			, 	ı
201.	GIRLS: Do you have any brothers	EE (Yes)	ANYIRA: Itye wunu kedeomege wu	
	living in your household		ame bedo ked wu paco জ্র্রman? (GIRLS:	
	currently?	CO	Do you have any brothes living in your	
			household currently?)	
	BOYS: Do you have any sisters	- L	p://	
	living in your household		AWOBE: Itye wunu ked amege wu	
	currently?		ame bedo ked wu paco man? (BOYS:	
			Do you have any sisters iving in your	
		10 ,	household currently?) 💆	
		PE (No)	оп	207 if
			V 0	Girl
) > >	208 if
			φri	Boy
202.	During a typical week, who	AGAM APENY (You)	l cabit acel acel, nga amहे maro timmo	
	usually does the following tasks	, ,	jami magi (yin, omini,amini nyo wun	
	(you, your brother, sister or both		ducu)? During a typical Reek, who	
	of you?		usually does the following tasks (you,	
	MARK ALL RESPONSE OPTIONS		your brother, sister or bath of you)?	
	MENTIONED		your brother, sister or byth of your.	
	WILLIAMONED	OMINI (PROTHER)	P To	
		OMINI (BROTHER)	ote .	
		AMINI (SISTER)	χed	
		NGAT OKENE (OTHER)	ьу	
		1	·	

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			omjop
			oen-2
	a) Carrying water	1	a) Omo pii (Carrying water)
	b) Washing dishes		b) Lwoko jami (Washing dishes)
			•
	c) Preparing food		c) Yikko gin acama (<i>Preffaring food</i>)
	d) Digging in garden		d) Pur (Digging in garden)
	e) Sweeping the compound		e) Weyo dyekal <i>(Sweep厱g the compound)</i>
	f) Carrying firewood		f) Ommo yen (Carrying) (Frewood)
	g) going to school		g) Woti ikwan (going to School)
		FOR BOYS	O _W
		6	nloa
203.	During the last week, did you	EE (Yes)	Ikine me cabit okato, ib la ikonyo
	help your sister(s) with her (or		amini/amege ni kede tiॡ्वेंre/tic gi me
	their) chores?	Ch	paco? (During the last week, did you
		- / b	help your sister(s) with fer (or their)
			chores?)
		PE (No)	lopen.
204.	Have you ever talked to your	EE (Yes)	Kong ibin iloko kede on walli, nyo
	parents, or another adult, about		ngatoro okene adit, am <mark>a</mark> ko ber
	the importance of your sister(s)		amedde kede kwan amini/amege ni?
	continuing her/their studies?		(Have you ever talked to your parents,
			or another adult, about he importance
			of your sister(s) continuing her/their
			studies?) 20
		PE (No)	24 by
		FOR GIRLS ONLY	ű.
205.	During the last week, did your	EE (Yes)	Ikine me cabit okato, ib kine ikonyo
	brother(s) help you with your		omini/ omege ni kede tk gi me paco?
	chores?		(During the last week, dd your
			brother(s) help you with ∰your chores?)
		PE (No)	by co

			N
206.	Has your brother ever talked to	EE (Yes)	Kong omini obin oloko kede onywali,
	your parents, or another adult,		nyo ngatoro okene adit kom ber
	about the importance of you		amedde ni kede kwan? $\Hag{8} ext{Has your}$
	continuing your studies?		brother ever talked to y <mark>8</mark> ur parents, or
			another adult, about the importance of
			you continuing your studdes?)
		PE (No)	C
207.	Have you ever talked to your	EE (Yes)	Kong iloko kede onywalanyo ngatoro
	parents or another adult about		okene adit amako tami me medde
	your desire to continue your		kede kwan? (Have you gver talked to
	studies?		your parents or another adult about
			your desire to continue Bour studies?)
		PE (No)	d fre
208.	In last 3 months, have you	EE (Yes)	Ikine me dwete 3 okato kong iloko
	spoken with a trusted adult		kede ngatoro adit ame 률 ne amako wi
	about any of the following topics:	1	lok magi: (In last 3 months, have you
		· (O)	spoken with a trusted adult about any
			of the following topics: 🙎
		PE (No)	m
		PE POYO (DOES NOT REMEMBER)	8
	a) The importance of treating		a) Ber a tero coo kede non ducu arom
	men and women equally		aroma (The importance of treating
			men and women equall $\underline{\underline{\aleph}}$.
	b) How ideal men and women		b) Kit ame coo kede moជាikokome
	should behave in a romantic		myero bed kede iwat aber (How ideal
	relationship		men and women should behave in a
			romantic relationship) 🖔
	c) How to avoid getting pregnant		c) Kite me gengo Yac (How to avoid
			getting pregnant)
	1))) () () ()		d) Gin ame myero itim teki ngatoro
	d) What to do if someone		, ,
	touches you in a way that makes you feel uncomfortable.		ogugudu yin iyore ape yamo cunyi (What to do if someone cuches you in

		BMJ Open	1136/bmjopen-202
			mjope
			en-20:
			a way that makes you feel uncomfortable.)
			uncomfortable.) 53
	N 3: ATTITUDES TOWARDS GENDER A		ede gero i eria man
(I would	d now like to ask you a few questions	ko kit ame coo kede mon myero bed kede, k about how men and women should behave	and violence in this area
			2022.
			Do
301	I am going to read you	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	statements about the roles of		kede mon ame nwongomakere kede
	men and women as they relate to		kop me yi ot, ribere ikinacoo kede
	household responsibilities. Please		dako,.Titta ka IYEE kedegnyo PE IYEE
	tell me if you AGREE or DISAGREE		kede nyig lok man. (I amgoing to read
	with each statement.		you statements about the roles of men
		10 ,	and women as they relate to
			household responsibilities Please tell
			me if you AGREE or DISAGREE with
		DE OVEE (DICA CREE)	each statement.)
		PE OYEE (DISAGREE)	/mo
	a) woman's role is taking care of		a) Tic a dako obedo mezwoko paco
	her home and family.		kede jo ture (woman's gole is taking
			care of her home and family.)
			, 20
			24
	b) A man should have the final		ठ b) Icoo myero oter lok œ e acalo gin
	word about decisions in the		apire tek amako moko tami yi ot <i>(A</i>
	home.		man should have the final word about
	nome.		decisions in the home.)
			G

			N
	c) Giving a bath and feeding kids		c) Lwoko kede miyo otiĝo cem ducu
	are the mother's responsibility.		obedo tic a dako <i>(Givin<mark>g</mark> a bath and</i>
			feeding kids are the mother's
			responsibility.) ♀
	d) Giving a bath and feeding kids		d) Cwero cwinya tutwal kace aneno
	are the mother's responsibility.		icoo timere dako. (Givinag a bath and
			feeding kids are the mother's
			responsibility.)
	e) A woman should obey her		e) Dako myero wor cware i jami ducu.
	husband in all things.		(A woman should obey ber husband in
		*	all things.)
	f) It is more important for boys		f) Pire tek tutwal me otano awobe
	to get an education than girls.		bedo ame okwano atek≟oo otino
			anyira oko (It is more in portant for
			boys to get an education than girls.)
	g) If there is a limited money to		g) Ka cente moro tye anjonok me cullu
	pay for school fees, it should be	10.	kwan, myero ocak kedeatin wobi (If
	spent on sons first.		there is a limited money to pay for
			school fees, it should be spent on sons
		· (O)	first.)
	h) Boys should have more free		h) Otino awobe myero Bed kede cawa
	time than girls.		adwong me lalata alo oœyira oko
			(Boys should have more≱ree time than
			girls.)
302.	Abino kwanni nyig lok amako tic a	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	coo kede mon ame nwongo		kede mon ame nwongo makere kede
	makere kede kop me yi ot, ribere		kop me yi ot, yotkom a🏚 ako nywal, .
	ikin icoo kede dako, yotkom		Titta ka IYEE kede nyo R IYEE kede
	amako nywal, kede gero. Titta ka		nyig lok man. (I am goin to read you
	IYEE kede nyo PE IYEE kede nyig		statements about the rolles of men and
	lok man. (I am going to read you		women as they relate tਫ਼ੀ sex and
	statements about the roles of		reproductive healthPleန tell me if
	men and women as they relate to		you AGREE or DISAGRE Ewith each
	sex and reproductive health		statement.)
	1	<u> </u>	<u> ур</u> Уг
			yright.

	BMJ Open	36/bn
		136/bmjopen-2021-053203 on 22 March 2022. Dow
Please tell me if you AGREE or		27 - (
DISAGREE with each statement.)		53
,		203
		on
		22
		Ma
		rch
		202
		2. [
		Jow
	PE OYEE (DISAGREE)	nloa
a) woman has a right to refuse		a) Dako tye kede twero ne kwero
sex.		rebere kede icoo oko <i>(স্ট্রoman has a</i>
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	right to refuse sex.) $\frac{3}{2}$
b) Men should be offended if		b) Coo myero bed kedewang yic
wives ask them to use a condom.		tutwal ka mon gi openyg gi me tic kede
		kondom (Men should be offended if
		wives ask them to use a condom.)
c) Men are always ready to have	10,	c) Coo bedo ame oyike e icawa ducu
sex.		me ribere kede mon (Men are always
		ready to have sex.)
d) It is safe for adolescent girls		d) Ayira atye apong twero tic kede yen
to use contraceptives.		lago nywal abongo pekamoro keken (
		It is safe for adolescent girls to use
		contraceptives.)
e) It is solely a woman's		e) Obedo tutwalere tic 🏖 dako me
responsibility to avoid getting		nenno ni pe eyac (It is \mathcal{L})
pregnant.		woman's responsibility to avoid getting
f) Girls who carry condoms are		f) Anyira ame woto kede kondom
promiscuous.		nwongo wang gi tar (obado olaya)
promisedous.		(Girls who carry condon
		1 ·
I	1	promiscuous.) by copyright.
		угі.

1136/bmjopen-202

			N
	g) Only when a woman gives		g) Dako bedo dako keke्र्ये ka ame en
	birth to a child is she a real		onywalo atin (Only whହୁଁn a woman
	woman		gives birth to a child is s $\overset{oldsymbol{\circ}}{\mathbb{B}}$ e a real
			woman) 9
	h) Only when a man has a child		h) Oworo dano icoo i yi atekere mere
	will he be a respected member of		keken ka en tye kede atim (Only when
	his clan.		a man has a child will he be a
			respected member of hisclan.)
	i) A man and a woman should		i) Icoo kede dako myero mok tam gi
	decide together what type of		karacel ikom yat lago nyaval ame gin
	contraceptive to use.	2	myero ti kede <i>(A man aed a woman</i>
			should decide together what type of
			contraceptive to use.)
	j) An ideal married couple will		j) Jo onyomere ikokome
	produce a child in their first year	CA	atin gi me acel i kine me∰mwaka me
	of marriage.	h	acel ame gin onyomere kede (An ideal
			married couple will produce a child in
		C /	their first year of marriage.)
303.	I am going to read you	OYEE (Agree)	Abino kwanni nyig lok amako tic a coo
	statements about the roles of		kede mon ame nwongo nakere kede
	men and women as they relate to		kop me yi ot kede gero. Titta ka IYEE
	violence. Please tell me if you		kede nyo PE IYEE kede nyig lok man. (I
	AGREE or DISAGREE with each		am going to read you statements
	statement.		about the roles of men and women as
			they relate to violence. Please tell me
			if you AGREE or DISAGREE with each
			statement.)
		PE OYEE (DISAGREE)	dy g
	a) If someone insults man, he	,	a) Ka ngatoro onywaro 🏖 oo, en myero
	should defend his reputation		dok iye kede gupu nyo romo me
	with force if he has to		gwoko icoo mere ka am
	with force if the flas to		amano (If someone insults man, he
			should defend his reputætion with force
			if he has to
	1	1	pyright

	BMJ Open	1136/b
		36/bmjopen-202
		en-20
b) There are times when a		b) Tye kare mogo ame navongo myero
woman deserves to be beaten.		opwod dako (There are simes when a
		woman deserves to be aten.)
c) A woman should tolerate		c) Dako myero kany akanya kadi gero
violence to keep her family		tye me gwoko ture (Aswoman
together		should tolerate violenceब्रुo keep her
		family together). $\stackrel{\hookrightarrow}{\sim}$
		022
d) A man using violence against		d) Icoo ame tye atic kede gero ikom
his wife is a private matter that	•	cege obedo kop me yi ogame pe
shouldn't be discussed outside	6	myero kel oko <i>(A man குing violence</i>
the couple.	O_{\triangle}	against his wife is a prive matter that
		shouldn't be discussed outside the
e) Physically beating your		e) Pwoddo otino ni obe
children is a good way to make	h	me miyo otino ni bedo awor
them behave.		(Physically beating yourschildren is a
0.15.11.25.11.25		good way to make them behave.)
f) I believe it is important to use		f) Ayeng kede ni pire tek tutwal me tic
non-violent ways of disciplining	· (C)	kede yore okene ame pe obedo me
youth,		gero me pwonyo bulu, 🛱 ka tic kede
		gero. (I believe it is imp g rtant to use
		non-violent ways of disciplining youth,
		글 :
		7, 2
		2024 by
		gue
		St. F
		rot
		ecte
		± 5 ± 5 ± 5 ± 5 ± 5 ± 5 ± 5 ± 5 ± 5 ± 5
		у сс
		уруг
		guest. Protected by copyright.
		÷ ·

LOK IKOM GLORIA: Aman abino kobi lokoro ikom nyako moro olwongo ni Gloria eka ate penyi kede apenyoro anonok. Gloria onwongo pwod ocako bedo kede John. John onwongo obedo awobi aber tutwal, ento inino moro acel, ikare ame Gloria owoto let me rwatte kede John, en ogoe. Gloria pe ngeo gin ame myero en ekobi John, pol kare kite ber ento en pwod tye kede loworo ni ercamedde ameda kede goye. Ikare ame en okobi anti mere, anti mere okobe ni mano kit ame bedo dako tye kede, dok ni opore me miyo coo bedo kede yom yic [GLORIA'S STORY: Now I'm going to tell you about a girl your age named Gloria and then ask you a few questions cloria and John's families expect them to get married. Gloria just started spending time with John. John was very nice, but one day when John saw Gloria talking and laughing with another boy while fetching water, John hit her. Gloria doesn't know what to say to John woman, and that it is best to keep the men happy.]

304	What advice would you give	TITI NGATORO OKENE ADIT GENE LOK	Tam ango ame onwong itwero miyo
	Gloria?	MAN, MEDE AMEDA KEDE KOBI	Gloria? (What advice would you give
		NGATORO ADIT GENE NAKA NGATORO TE	Gloria?)
		KONYO ((Tell another trusted adult about	<u>ä</u> .
		the situation; keep telling adults until	. CO
		someone helps)	n/ c
		GEN LOK PA WAYO NI, GIN MA KIT MAGI	, , , , , , , , , , , , , , , , , , ,
		IKO MANYIRA ((Trust your aunt, these	p _{ri}
		things happen to girls)	17.
			20
		PE NGEO (Don't know	24
305	Should Gloria still plan on	EE (YES)	Ceni Gloria myero wot myim kede
	marrying John? GWET		pulanere me nyomere kande John?
	AGAM OTITO		(Should Gloria still plan ซึ่ก marrying
	PROBE: Why or why not?		John?) ਰੁੱ
	MARK RESPONSE IN SPECIFY		PENY: Pingo nyo pingo 🎥 myero mede
			kede? (PROBE: Why or Hy not?)
		PE (NO)	y o

		BMJ Open	1136/
			36/bmjopen-202
			202
		TITI	1-05
		(SPECIFY)	532
306	What would you say to John?	PWODO MON PI TYEN KOPORO KEKEN	Gin ango ame onwongoatwero kobi
		CIK PE YEE, TEM ME COBBO PEKI WU	John? (What would you say to John?)
		ABONGO TIC KEDE GERO (Beating	22
		women for any reason is unacceptable,	Vlarch
		try to resolve conflicts non-violently)	<u> </u>
		OPORE ME GOYO GLORIA KACE OGALE	2022.
		(It is okay to beat Gloria when she is late)	
	02	PE NGEO (Don't know)	o W
			nlog
			ade e
307	What would you tell Gloria's	GERO IKOM MON PE MITTE, PIRE TEK ME	Gin ango ame onwongo twero kobi
	aunt?	KONYO ONYIRA ATINO AME MITO KONY	anti a Gloria? <i>(What wૡ૾ૢੋuld you tell</i>
		KA OTYE AKETTO GERO IKOM GI	Gloria's aunt?)
		(Violence against women is never	://b
		acceptable; it is important to help young	<u>n</u> jo
		girls who seek help in a violent situation)	per
		MAN LOK MA KAKARE, MAN GIN , MA	ı.bm
		MYERO MON OYEE	nj.cc
		(You are right, this is something women) According to
		must accept)	9
		PE NGEO (Don't know)	Apr
		FOR GIRLS ONLY	1
			, 20
308	Do you feel able to tell a boy to	EE (YES)	Itamo ni itwero kobi awabi moro
300	stop doing something that makes		keken me wekko timo ginoro ame pe
	you feel uncomfortable?		yomo yi? (Do you feel a le to tell a boy
	you leef unconflortable:		to stop doing something that makes
			you feel uncomfortable श्ले
		PE (NO)	St.
		, - (,,,,,,	<u>e</u> <u>b</u>

		136/bmjopen-
		n-202
ng the last 3 months, has a	EE (YES)	Ikine me dwete 3 okato awobi moro
done something to scare or		otimo ginoro me miyi lvooro nyo buri
idate you on purpose?		kun onwongo yie tye anatto (During the last 3 months, has a≌boy done
		something to scare or intimidate you
		on purpose?)
<u> </u>	PE (NO)	S S S S S S S S S S S S S S S S S S S
ng the last 3 months, has a	EE (YES)	Ikine me dwete 3 okatokawobi moro
ouched you on your	, ,	ogudu kwon dudi nyo caki abongo
ocks or breasts without your		twero ni (During the last 3 months,
ission?		has a boy touched you o∰ your
		buttocks or breasts with but your
		permission?)
	PE (NO)	m T
	FOR BOYS ONLY	ittp://bn
ng the last 3 months, have	EE (YES)	Ikine me dwete 3 okatogitimo ginoro
_		me miyo nyako moro lworo nyo bure
idate a girl on purpose?	(0)	ame onwongo yi amitto During the
- , ,		last 3 months, have youglone
		something to scare or ingimidate a girl
		on purpose?)
	PE (NO)	oril 1
ng the last 3 months, have	EE (YES)	Ikine me dwete 3 okato imako kwon
_		dud nyo cak a nyako maro abongo
		twero mere (During the last 3 months,
ission?		have you touched a girkon her
		buttocks or breasts without her permission?)
	DE (NO)	
	1 L (140)	rotected by copyright
		ම ර
		уу
		оруг
		righ:
	ng the last 3 months, has a couched you on your ocks or breasts without your nission? Ing the last 3 months, have done something to scare or idate a girl on purpose?	PE (NO) The last 3 months, has a outched you on your ocks or breasts without your dission? PE (NO) FOR BOYS ONLY The last 3 months, have done something to scare or didate a girl on purpose? PE (NO) FOR BOYS ONLY EE (YES) PE (NO) EE (YES)

		BMJ Open	136/bmjopen-202	
			omjop	
			oen-	
		/IORS TOWARDS SEXUAL AND REPRODUC	<u> </u>	
		k amako kop me ribere ni kede icoo nyo d s about your sexual and reproductive heal	10	
(i would	a now like to ask you a rew question.	s about your sexual and reproductive near	on	
			22	
			Ma	1
401.	Are you currently in a romantic	EE (YES)	Aman itye kede ngator@ame imitte	
	relationship?		kede? (Are you current in a romantic	
		DE (NO)	relationship?) !N	
400	<u> </u>	PE (NO)	9	<u> </u>
402.	Is there an adult in your life that	EE (YES)	Tye ngatoro adit I kwo nक्क ame igeno	
	you would feel comfortable	0	dok itwero lok kede amako kit peko	
	talking to about a concern that you have?		moro keken ame itye keब्रेंe? PENY ODOC: Ka ee, nga र्डे (Is there an	
	PROBE: If yes, who?	Ch	adult in your life that you would feel	
	MARK RESPONSE IN SPECIFY	- / h	comfortable talking to about a concern	
			that you have?)	
		PE (NO)	, , op	
		COO PINY (SPECIFY)	n.brr	
403	Have you ever had sexual	KAKARE (Yes)	Dong ikwo ni iribe ki lacgo onyo dako?	
	intercourse?		(Have you ever had sexual	
		•	intercourse?)	
		KUU (No)	Apri	417
404	In the last 3 months, have you	KAKARE (Yes)	Inge idwe adek mukato ∄ngec dong	
	had sex?		iribe ki laco/dako ibuto & (In the last 3	
			months, have you had sൿ?)	
		KUU (No)	y gue	
		PE OGAMO (No response)	lest.	
405	In the last 3 months, have you	KAKARE (Yes)	Ikin dwe 3 mukato angeg, iribe ki lacoo	
	been forced to have sex even	70 110 1112 (1.00)	onyo dako kun onongo awinyi pe mito?	
	though you did not want to?		(In the last 3 months, howe you been	
			oy o	
			copyright.	<u> </u>
			righ	

		BMJ Open	136/br	
			136/bmjopen-202	
			forced to have sex even though you did not want to?)	
		KUU (No)	2 March	
		PE OGAMO (No response)	2022.	
406	Did you use a condom during the last 3 months?	KAKARE (Yes)	Itiyo ki roc bol ikin dwe mukato angec? (Did you use a condom during the last 3 months?)	
		KUU (No)	ad from	408
407	Why did you use a condom?	GENGO GAMO IC/YAC (Pregnancy prevention)	Pingo itiyo ki roc bol? (Why did you use a condom?)	
		GENGO KWIDI TWO JONYO (HIV prevention)	mjope	
		GIN ARYO WENG (Both) PE NGEYO (Don't know)	.bmj.cc	
		MUKENE MAPAT (Other)	, m	
		COO PINY (Specify)	n A	
408	During the last six months have you sought a family planning method?	ee (YES)	I dwete abicel okato angec, iyenyo yore moro me lagoro nywal? During the last six months have you sought a family planning method	
		pe (NO)	by gu	411
409	Where did you go to seek the family planning method?	bot dakatal me kin paco (VHT)	iwoto iyenyo yore me lægoro I kwene? Where did you go to seek the family	
		I kilinik a ngatoro (Private clinic / Drug shop)	planning method? ted by cop	

		BMJ Open	36/br	
			36/bmjopen-2021-053203	
		I dakatal (Health Center)	21-05	
		Marie Stopes Uganda	3203	
		en okene (Other)	on 22	
		kob mene (Specify)	2 March	
			9 h 20	
410	Did you receive the family planning method you wanted	ee (YES)	ibin inwongngo yore me lagoro nywal ame onwongngo itye ingito? Did you	
	from the provider?	5	receive the family planting method you wanted from the provider?	
		pe (NO)	d fr	
411	Are you currently doing something or using any method to delay or avoid getting pregnant?	KAKARE (Yes)	Kombedi itye katimo giramo onyo tic ki yo mo me diko/galo kare onyo me gengo yac? (Are you currently doing something or using any method to	413
	pregnant:		delay or avoid getting pregnant?)	
		KUU (No)	i.bm	
412	Could you tell me why you are not using a method?) (Any other reasons? MULTIPLE RESPONSES POSSIBLE.	MITO GAMO IC/YAC (No opportunity/ partner)	Iromo tita pingo pe itye katic ki yo mo keken? (Could you tellane why you are not using a method?) (Any other reason?) PENY ODOC: Tye tyen lok mo mukene mapat?	419
		DAKO/CWARE OKWERO (Desire pregnancy)	024 by	419
		PE BER/RAC/PE MITE (Partner opposed)	guest.	419
		TYE KI GUM MAPOL ME NONGO IC/YAC (It is wrong/immoral/ prohibited)		419
		PETYE KI NGEC (No knowledge)	tecti	419
		PE KIKERO ME NONGO YO MO MUKENE MAPAT (No access)	Protected by copyright.	419

		BMJ Open	36/br	
			136/bmjopen-2021-053203 on	
		LWORO ME YOTKOM ONYO LWORO	22	419
		ADWUGI KORE	0532	
		(Health concerns/fear of side effects)	203	
		PE OGAMO (No response)		419
		MUKENE MAPAT (Other)	22 2	
		COO PINY) (Specify)	Marc	
413	Which method are you using?	TUCE KI YAT PA MON (FEMALE	Itye katic ki yo mene megengo nywal?	
	(MULTIPLE RESPONSES POSSIBLE)	STERILIZATION)	(Which method are you ising?)	
		TUCE KI YAT PA COO (MALE	0	
		STERILIZATION)	ownloa	
	<u> </u>	AND VOLVATION (DULL))	
	4	MUNYO YAT PIL (PILL)	ded from	
			om	
		IUD	http	
			nttp://bmjopen.b	
		TUCE KI YAT LIBIRA (INJECTABLES)	njop	
			oen.	
		YAT ARWAK IKOM (IMPLANTS)	<u> </u>	
		THE THE PARTY (IN EL INVIS)	nj.com/	
			5 0	
		ROC BOL (CONDOM)	n Ap	
			April 17,	
		PE OGAMO (NO RESPONSE)		
		MUKENE MAPAT (Other)	2024	
		COO PINY) (Specify)	\$	
414	Who took the initiative to start	LAGAM PENY (Respondent)	മ Anga ma okati kitam mക്ലcako kalo kin	
-1- -	using family planning?	LAGAMITENT (NESPONGENC)	nywal? (Who took the initiative to start	
	danig farmiy planning.		using family planning?	
		DAKO NE/CWARE (Partner)	nywal? (Who took the initiative to start using family planning?	
		, ,	<u>α</u>	
		GIN DUCU (Both)	by copyright.	

		BMJ Open	1136/ь	
			136/bmjopen-2021-053	
		MUKENE MAPAT (Other)	27	
		(COO PINY) (Specify)	532	
415	Does your partner participate in family planning use?	KAKARE (Yes)	Ci dako ni/cwari keto itigyub me gengo nywal (kalo kin niwal)? (Does your partner participate in family planning use?)	
	<u> </u>	KUU (No)	sh 2022.	419
	0/	PEKE KI DAKO/CWARE (No partner)	Downloa	419
416	How does s/he participate? MULTIPLE RESPONSES POSSIBLE. DO NOT READ OPTIONS OUT LOUD.	ONONGO PWONY IKIT YO MAPAT PAT ME KALO KIN NYWAL (Learned about birth control methods)	En keto itic yub me kalokin nywal nining? (How does s/heparticipate?) (MULTIPLE RESPONSES POSSIBLE. DO NOT READ OPTIONS OUR LOUD).	419
		OKONYE I MOKO TAM YO MENE MA MYERO OTII KWEDE (Helped decide which method to use)	//bmjopen	419
		OKONYE YUBE NINO ME NENO DAKTAR (Helped make an appointment)	njopen.bmj.com/	419
		OCITO I OT YAT KILINIK (Went to clinic)	On On	419
		OKONYE OCULO PIRE (Helped pay for services)	n April 17,	419
		OKONYE ME TIC KI YO MAGI (Helped use method)	7, 2024	419
		MUKENE MAPAT (Other)	by	419
		(COO PINY) (Specify)	guest	419

		BMJ Open	136/bn
			36/bmjopen-202
417	Why have you not had sex?	PE KI GUM/ CWARE (No	Pingo pwud pe iribe ki lacoo onyo
	(PROMPT ONCE: Any other	opportunity/partner)	dako? မ္က်
	reason?)		PENY ODOC: Tye tyen low mo mukene
	MULTIPLE RESPONSES POSSIBLE.		doki? (Why have you no had sex?)
	DO NOT READ OPTIONS OUT		(PROMPT ONCE: Any other reason?)
	LOUD.		(MULTIPLE RESPONSES &OSSIBLE. DO
			NOT READ OPTIONS OUS LOUD).
		LWORO GAMO IC/YAC (Fear of	202:
		pregnancy)	2. D
	O_{λ}	LWORO TWO MA KOBO KI TIMO	IWO
		ABOR/KWIDI TWO JONYO (Fear of	nloa
		STIs/HIV/AIDS)	ldec
		GIN MARAC MA OTIME IKOM CON (Bad	from
		prior experience)	ă r
		PI TYEN LOK ME DINI/WORO	ittp://bi
		(Religious/moral reasons)	<u> </u>
		MITI ME TYEKO KWAN/MEDE KI KWANO	Jope
		TIC (Desire to finish school/pursue career)	en.bn
		MITI ME LOYO KWONE PIRE KENE (Desire	nj.cc
		to have control over own life)	m/
			On L
		MUKENE MAPAT (Other)	Apri
		(COO PINY) (Specify)	117
418	How long do you plan to wait to	WANG MA ANYOME (Until I am married)	Itye kitam me bedo pi kære marom
	have sex? MULTIPLE		mene me cako ribe ki lagoo onyo
	RESPONSES POSSIBLE.		dako? (How long do you plan to wait to
			have sex?) MULTIPLE RESPONSES
			POSSIBLE.
		WANG MA ANONGO LACOO/DAKO	rote
		MABER (Until I met right person)	lected
		WANG MA CWINYA DONG MITO (Until I	
		am emotionally ready)	by copyright

		BMJ Open	136/bm	
			136/bmjopen-202	
		WANG MA AROMO MWAKA MONI (Until I	-0	
		am a certain age)	1-0532	
		PE NGEYO (Don't know)	03	
		MUKENE MAPAT (Other)	9n 2	
		(COO PINY) (Specify)	<u> </u>	
419	Do you think you will use a	KAKARE (Yes)	াtamo ni ibitic ki yo mo ক্রe diko kare	
	method to delay or avoid getting		me nongo ic/yac pi karexno i anyim?	
	pregnant at any time in the		(Do you think you will use a method to	
	future?		delay or avoid getting pregnant at any	
			time in the future?)	
		KUU (No)	08	
			<u>ã</u> ed.	
		I PE ANGEYO IDON I KNOWI		
	•	PE ANGEYO (Don't know) kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito."	
	•	kidiyo gi tetek me cako timo abor kedi bed p	pe gimito."	
	•	kidiyo gi tetek me cako timo abor kedi bed p	pe gimito."	
READ:	("It is common for young people to fee	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito." If they don't want to.") The property of the pro	
READ:	("It is common for young people to fee	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	pe gimito." If they don't want to.") Ikin dwe 3 mukato angeg, inongo ni	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?)	
READ:	In the last 3 months, have you felt that your friends were pressuring you to have sex?	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Print To Manne Sex (In the last 3 months) April 17, 2024 by 19	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even i	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends were pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace ngat mo tye kagudi iyo mape imaro?	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone was touching you in a way that	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angen, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends were pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace	
420	In the last 3 months, have you felt that your friends were pressuring you to have sex? How confident do you feel that you could get help if someone	kidiyo gi tetek me cako timo abor kedi bed pel pressured to have sex or to have sex even in KAKARE (Yes)	Ikin dwe 3 mukato angeg, inongo ni luremi diyi ni myero iribe ki lacoo onyo dako? (In the last 3 months, have you felt that your friends wege pressuring you to have sex?) Cwinyi tek ni iromo nongo kony kace ngat mo tye kagudi iyo mape imaro? (How confident do you fgel that you	

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		CWINYE PE TEK (Not confident)	-0
422	Please tell me if you AGREE or DISAGREE with the following statements.	OYEE (Agree)	Kong waca kace IYEE on to PE YEE lok magi. (Please tell me if you AGREE or DISAGREE with the following statements.)
		PE OYEE (Disagree)	March (
	(a) I am confident I could use a contraceptive correctly all times		Cwinya tek ni atiyo ki yagme gengo yacu maber kare ducu (bam confident I could use a contraceptive correctly all times)
	b) (My partner would support my decision to use a contraceptive)	000	Cwara romo cwako tama me tic ki yat me gengo yacu (My pargner would support my decision to use a contraceptive)
	c) I am confident I could use a condom correctly at all times	Cerio	(c) Cwinya tek ni aromodic ki roc bol maber kare ducu (I amgonfident I could use a condom correctly at all times)
	d) My partner would support my decision to use a condom	4	(d) Cwara romo cwako tama me tic ki roc bol (My partner would support my decision to use a condom)
	(e) My partner would support my decision to use a condom and another method of contraception together		e) Cwara romo cwako tama me tic ki roc bol karacel ki yo mukene me gengo yacu (My partner would support my decision to use a condon and another method of contraception together)
423	Please tell me if you AGREE or DISAGREE with each statement	OYEE (Agree)	Kong waca kace IYEE or O PE IYEE lok magi: (Please tell me if O AGREE or DISAGREE with each statement)
		PE OYEE (Disagree)	9 .
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	BMJ Open	1136/bi	Р
		36/bmjopen-202	
(a) I know where to obtain a		a) Angeyo kama aromognongo kit me	
family planning method		kalo kin nywal iye (I know where to obtain a family planning method)	
(b) I am able to reach this place easily.		b) Aromo ook i kabedo man labongo peko (I am able to reach this place easily.)	
(c) If I wanted to obtain a family		c) Kace amito nongo yo ne kalo kin	
planning method, I have the		nywal, atye ki kero me Wilo acel. (If I	
means to purchase one.		wanted to obtain a family planning method, I have the means to purchase one.)	
SECTION 5: ATTITUDE, NORMS AND BEHAVIORS TOWARDS Amani amito lok kedi ikom kop amako tic kede kongo	S ALCOHOL USE) Dia de de	
(I would now like to talk to you about alcohol use.)		from http://bmjop	
		/bmjop	

501.	Please tell me if you AGREE or DISAGREE with the following statements:	OYEE (AGREE)	Kong itita ka IYEE nyo PEIYEE kede nyig lok magi: (Please tell me if you AGREE or DISAGREE with the following statements:)
		PE OYEE (DISAGREE)	AB AB
		PE OGAMO (No response)	rii 1
	a) Drinking to the point of getting drunk is an acceptable way to relax.		a) Mato kongo naka imer obedo yore acel ame oyee me weo Porinking to the point of getting drugk is an acceptable way to relax?
	b) Drinking alcohol makes people do things they might regret and hurt their health.		b) Mato kongo mio jo timo jami mogo ame otwero paro icen kede dang balo yotkom gi oko (Drinking alcohol makes people do things they might regret and hurt their health.)

		BMJ Open	136/br	
			136/bmjopen-20;	
	c) Drinking alcohol is an indication of a man's physical strength, endurance and sexual prowess.		c) Mato kongo obedo anyut me teko a dano icoo, kanyo jami kede gupu me ribere kede dako (Drinking alcohol is an indication of a man's physical strength, endurance and sexual prowess.)	
502	In the last month, how often did you drink to the point of getting drunk? Never, sometimes, or often?	PE ATWAL (Never)	Ikine me dwe okato, imato kongo pi kare arom kwene ame ike nwongo ni imer tutwal? Pe atwal, kare okene, nyo kare ikare? (In the last point, how often did you drink to the point of getting drunk? Never, sometimes, or often?)	
		KARE OKENE (Sometimes)	om .	
		KARE IKARE (often)	nttp	
503	How often did you feel pressured to drink in the last month? Never, sometimes, or often?	PE ATWAL (Never)	Pi kare arom kwene ame obedo diyi ni imat kongo i kine me dwe okato? Pe, kare okene, nyo kare ikare? (How often did you feel pressigned to drink in the last month? Never, sometimes, or often?)	
		KARE OKENE (Sometimes)	9	
		KARE IKARE (often)	Apri	
504	In the last 3 months, were you in a situation where you thought a friend was drinking too much?	EE (YES)	I kine me dwe okato, kotig ibin ineno kare moro ame inwongoni awoti onwongo tye amato kotigo adwong adwonga? (In the last smonths, were you in a situation where you thought a friend was drinking too much?)	
		PE (NO)	Pro	601
505	What did you do about it?	AMIO KI GI TAM (Gave them advice)	Ibin itimo ngo iye? (What did you do about it?)	
		AMIO GI GIN KONY (Got them help)	gy copyright.	

		.02	
	AMIO GI OWEKO OKO (Intervened/stop	1-0	
	them)	532	
	OKENE (other)	03	
	TITI (Specify)	on 2	
SECTION 6: EXPO	OSURE TO INTERVENTION	Ma Ma	

Apwoyo tutwal. Otye dong owot bala otyeko oko. Aman, amitto penyi lok amako gi rabbo ngec apol apapat kede kwena ame ibin ibedo winyo acocoki
(Thank you. We are almost finished. Now, I would like to ask you questions about different types of media and messages you been Apwoyo tutwal. Otye dong owot bala otyeko oko. Aman, amitto penyi lok amako gi rabbo ngec apol apapat kede kwena ame ibin ibedo winyo acocoki

exposed to recently.)

601.	How often do you listen to the	NINO NINO (ALMOST EVERY DAY)	Imaro winyo redio pi kare arom	
	radio?(READ THE OPTION OUT		kwene? (How often do gou listen to the	
	LOUD)		radio?) (KWAN GIN MAM ALONGO	
			(READ THE OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST ONCE A	imjo	
		WEEK)	ppe	
		ICEL ICEL I DWE ACEL (AT LEAST ONCE A	n.br	
		MONTH)	nj. o	
		PE KOM ATWAL (NOT AT ALL)	m/	605
			9	
602.	What radio stations do you	MEGA FM	Citecen mene ame image winyo?	
	usually listen to? (MULTIPLE		(What radio stations do=you usually	
	RESPONSES POSSIBLE)		listen to? (AGAM APOL TWERE)	
		CHOICE FM	202	
		RADIO LIRA	4 by	
		VOICE OF LANGO FM	gue	
		OKENE MAPAT (OTHER)	S.t.	
		TITI (SPECIFY)	Prot	

		BMJ Open	136/bmjopen-
			en-202
603.	In the last 3 months, have you heard any radio broadcasts on the following:	EE(YES)	I kine me dwete 3, kongiwinyo puruguram moro ame etye aleyo iye lok magi: (In the last 3 months, have you heard any radio broadcasts on the following)
		PE(NO)	any radio broadcasts of the joilowing)
		PE POYO(DON'T KNOW)	ר 20
	a) How ideal men and women should behave)	-	a) Kit ame coo kede man myero bed kede (How ideal men and women should behave)
	c) Romantic feelings or relationships)	Cep.	c) Miti nyo wat ikin cookede mon (Romantic feelings or regationships)
	d) Young people using family planning methods to prevent pregnancy	Chi.	d) Jo atino atye atic kede yore me lago nywal me gengo yac (Young people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home	4	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making decisions together in the home)
	g) Role of boys and girls in the home		g) Tic owobe kede onyira i kin paci (Role of boys and girls in the home)
	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marriage until they are 18)

		BMJ Open	1136/bmjopen-2	F
			pen-202	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore me lago nywal me diro kare me gywallo atin gi okene (Young parents using family planning methods to delay the birth of their next child)	Skip to 605 If NO for all
	j) Girls staying in school)		j) Onyira ame tye I cukul (Girls staying in school)	
604	What was the name of the program?	COO PINY (SPECIFY)	nying puruguram man an a	606 if Oteka mentio ned
605	Have you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	KAKARE (YES)	anaka ni kong iwinyo puruguram moro me tuku goga I redio ame olwongo ni Oteka? you ever listened to a radio drama called Oteka? PROBE DAY AND TIME OF PROGRAM.	
		KUU (NO)	007	618
606	On what radio station did you hear Oteka?	MEGA FM	iwinyo puruguram me Oteka I redio mene? On what radio station did you hear Oteka?	
		CHOICE FM	17, 2	
		RADIO LIRA	2024	
		VOICE OF LANGO FM	by 9	
		UNITY FM	juest .	
		MUKENE MAPAT (OTHER)	•	
		COO PINY (SPECIFY)	Protectec	

		BMJ Open	136/bmjopen-20
			эреп-202
607	In the last 6 months, how often have you listened to Oteka?	EVERY WEEK	I dwete abicel okato angec, iwinyo Oteka tye adii? In the lest 6 months,
		MOST WEEKS	how often have you listened to Oteka?
		OCCASIONALLY	22
608	When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS. MARK ALL RESPONSE OPTIONS	cawa ame otuku I yee pe tye aber (Time of broadcast is not convenient)	ka pe iwinyo Oteka, nwongngo ngo omio pe iwinyo? When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS.
	MENTIONED.	904	MARK ALL RESPONSE OFTIONS MENTIONED.
		wia wil oko (I forget) jo okene en aye moko tam ikom winyo redio (Other people decide on radio use)	o://bmjops
		radio na pe tye (Don't have own radio)	.b
		batri pe tye (No batteries)	nj. co
		tama pe iye (Not interested)	<u> </u>
609	Where do you usually listen to this program?	paco (HOME)	puruguram man imari winyo ikwene? (Where do you usually leten to this program?)
		I cukul (SCHOOL)	2024
		kanica (CHURCH)	24 b
		ite gurup (PLATFORM GROUP OR CLUB)	y gu
		I poto (FARM)	guest.
		en okene (OTHER)	Protected by copyright.
		COO PINY (SPECIFY)	ect

610			136/bmjopen-	
610			n-202	
	Which character is most like you? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	OKIDI	nga ame inwongo ni tye bala yin I puruguram man? (Which charcater is most like you?)SHOW CORDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SAMMARY FOR DESCRIPTIONS, IF NEEDED.	
		NYERO	2022	
		KOMAKETCH	, . D	
		ORACH	nw	
		MUKENE MAPAT (Other)	oa	
		COO PINY (SPECIFY)	ed f	
	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro alos I tuku goga no? (Which character da you most admire in the drama?) SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		AKETCH	Aprii 1.	
		KOMAKETCH	3	
		ORACH	7, 20	
		MUKENE MAPAT (Other)	2024	
		COO PINY (SPECIFY)	by guest. Protected by copyright.	

	BMJ Open	136/bn
		136/bmjopen-20
CARDS WITH AMES AND HAVE SELECT 1 EFER TO IMMARY FOR		nga ituku man ame dong cunyi pe maro aloo? NYUT KAD AME TYE KEDE NYING OTUKU APAPAT. MI AGAM APENY ME YERO NYING ACEL. Which character do you most dislike? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEED D.
	тсн	oaded fro
		n http://
main topics teka? t other topics? DENT INDICATES ICS.		kodi wii kop ango ame ebedo leyo l puruguram man? (Wat were the main topics discussed of Oteka?) UNTIL RESPONDENT INDICATES NO MORE TOPICS. MARK ALL RESPONSE OF TIONS MENTIONED.
		117, 2024
kwan an	yira (GIRLS EDUCATION)	t by gue
(RELATIC	NSHIPS BETWEEN CHILDREN	guest. Protect
		Protected by copy
	CARDS WITH AMES AND HAVE SELECT 1 EFER TO JIMMARY FOR , IF NEEDED. NYERO KOMAKE ORACH MUKENE COO PIN main topics teka? t other topics? DENT INDICATES ICS. PONSE OPTIONS wat ikin a BETWEEL kwan an gum me	Per do you most CARDS WITH AMES AND HAVE SELECT 1 EFER TO JIMMARY FOR JIF NEEDED. NYERO KOMAKETCH ORACH MUKENE MAPAT (Other) COO PINY (SPECIFY) main topics teka? t other topics? DENT INDICATES JICS.

		BMJ Open	1136/b	
			136/bmjopen-2021-0	
		en okene (Other)	21	
		COO PINY (SPECIFY)	5 33 2	
614	Have you talked to others about these topics you heard on Oteka?	ee (YES)	iloko kede ngotoro keken ikom kop ame iwinyo I puruguran man I redio? (Have you talked to others about these topics/topics you heard on the radio program?)	
		pe (NO)	22	616
615	With whom did you talk about these topics? MARK ALL RESPONSE OPTIONS MENTIONED	papa (Father)	nga ame iloko kede ikogi kop ame iwinyo I puruguram man? (With whom did you discuss these topics?) MARK ALL RESPONSE ORTIONS MENTIONED	
		kwaro (Father-in-law)	n http	
		mama (Mother)	»://bm	
		atat (Mother-in-law)	njopen	
		brother/sister	ʻ.bmj.bom/	
		wat okene (other relative)	m vo	
		alwak (PEER)	9	
		jo me gurup (GROUP MEMBERS)	April 17,	
		en okene (Other)	177,	
		COO PINY (SPECIFY)	202	
616	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kede wur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from Oteka?)	
		pe (NO)	b у со	618

		BMJ Open	36/bmj	
			136/bmjopen-20	
617	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omii miti? (What surprised or interested you?)	
618	Do you belong to any community or school group(s)?	ee (YES)	itye i gurup i kin paco omyo i cukul? (Do you belong to any community group?)	
		pe (NO)	Do	624
619	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwag i yore-iyore: (Which community group do you belong to? READ DOWN LIST)	
	a)Religious organization	pe (NO)	a) gurup me dini (Religious organization)	
	b) Village savings and loan group	10/2	b) Gurup me bol icap (Village savings and loag group)	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab ma bulu (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other)	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
620	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adi? How often does your graup meet?	
		dwete aryo icel (EVERY TWO WEEKS)	by cop	

Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity wing these cards and games? (Did you participate in an activity using these cards and games?) (Did you participate in an activity using these cards and games?)			BMJ Open	1136/bn	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG (Did you participate in an activity using a complete in an activity and activity using a complete in an activity using a complete in an activity and activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity activity.				njopen-20	
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Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG (Did you participate in an activity using a complete in an activity and activity using a complete in an activity using a complete in an activity and activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity activity.			icel-icel (OCCASIONALLY)	53203 on 22 M	
Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG (Did you participate in an activity using a complete in an activity and activity using a complete in an activity using a complete in an activity and activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity using a complete in an activity and activity activity activity.			en okene (Other)	en okene (Other)	
cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG Pe (NO) Like this? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Like this? CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?) (SHOW PICTURE OF TOOLKIT BAG) Like this? On the pe (NO) Like this? On the perticipate in an activity using the perticipate in an activity activity using the perticipate in an activity using the perticipate in an activity activity using the perticipate in an activity activity using the perticipate in an activity activity using the perticipate in an activ		^O,	COO PINY (SPECIFY)	COO PINY (SPECIFY)	
Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG Did you participate in an activity using these cards and games? SHOW picture of activity using the second of the s	621	cards and games that looks like this?	ee (YES)	tuku apapt tye iye ame al kiti? (NYUT CAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given bag with cards and games that looks like this?)	
using these cards and games? SHOW PICTURE OF TOOLKIT BAG (Did you participate in articipate in articipate)			pe (NO)	n.bmj.com	624
pe (NO)	622	using these cards and games?	ee (YES)	kede kad me tuku?	
			pe (NO)	by guest. P	624

		BMJ Open	136/bn	
			136/bmjopen-202	
623	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG READ OPTIONS OUT LOUD.	icel (ONCE)	tyen adii ame ibedo iti ame otio kede kad karacel kede tuku? (KWAN NYIG LOK AME OCOO PINY) (How often have you participated in an activity using these cards and games?)	
		icel-icel (OCCASSIONALLY)	arch 202	
		kare-ikare (OFTEN)	22. [
624	Have you ever participated in an activity that used this material? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	ee (YES)	anaka ibedo i tic ame ogo kede gini? (Nyut kad pi dul tic apagat. Wek agam apeny yer en ame en oto kede, eka ite gweto ni EE pi tic ame ogero kede PEE pi tic ame pe oyero) (Which activities or games have you used participated in ? LAY PICTURE CARDSOF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARKYYES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	
	A) Bassel Court	pe (NO)		
	a) Board Game		17, 20	
	b) Activity Card		2024	
	c) Boys flipbook		by g	
	d) Girls flipbook		lu es	
	e) Radio Discussion Guide		guest. Protected	626 if NO to all

		BMJ Open	1136/bmjopen-20	ſ
			<u> </u>	
625	How often did you use each of the materials you selected? REFER TO CARDS SELECTED IN 625 & MARK RESPONSES FOR ONLY THOSE PREVIOUSLY SELECTED	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyeo ni, itio ked gi pi kare arom kwene? III KEDE KAD AME OYERO I 625 ITE GWETO PI EN AME ONWONGO OYERO KEKEN)How often did you use each of the materials you selected? REFER TO CARDS SELECTED IN 625 & MARK RESPONSES FOR ONLY THOSE PREVIOUSLY SELECTED	
		I kare okene (EVERY OTHER SESSION)	SELECTED .	
		I cel-icel (A FEW SESSIONS)	N N N N N N N N N N N N N N N N N N N	
		icel (ONCE)	ä d e d	
	a) Board Game		dfro	
	b) Activity Card	104		
	c) Boys flipbook	h	.tp://	
	d) Girls flipbook	10.	<u>j.</u>	
	e) Radio Discussion Guide		90 e	
626	In the last 3 months, have you discussed any of the following in these groups	ee (YES)	idwete adek okato ni, i aro wunu lok magi i gurup wu? (In the last 3 months, have you discussed any of the following in these groups:)	
		pe (NO)	ii 17	
		pe poyo (DON'T REMEMBER)	, 20	
	a) How ideal men and women should behave		a) kit ame coo kede mon myero bed kede? (How ideal men and women should behave)	
	b) Physical, emotional or social changes during adolescence		b) Aloka loka ame bedoj kom, I cuny, onyo ikite me kwo ikare me tego? (Physical, emotional or social changes during adolescence)	

3		BMJ Open	136/bi
			136/bmjopen-20
	c) Romantic feelings or		c) cuny me mit kede winyere me
	relationships		mit ikin icoo kede dako
	Telationsinps		(Romantic feelings or reationships)
	10.00		0
	d) Young people using family		d) onywal atino myero tii kede yore
	planning methods to prevent		me lagoro nywal me gengo yac
	pregnancy		(Young people using family planning
	a) Man and waman making		methods to prevent pregnancy) e) coo kede mon moko tam gi karacel
	e) Men and women making decisions together in the home		I ot (Men and women making decisions
	decisions together in the nome		together in the home)
	f) Teasing, bullying or violence		f) yelo anyira, bura onyoo lweny ikin
	between boys and girls or men		owobe kede anyira, on to ikin coo
	and women		kede mon (Teasing, bulking or
	and women	10 .	violence between boys and girls or
			men and women)
	g) Role of boys and girls in the		g) Tic pa owobe kede agyira I paco
	home	. 61.	(Role of boys and girls in the home)
	h) Young people delaying		h) awobe kede anyira galo nyomere
	marriage until they are 18	· (O)	naka ka oromo gini mwaka 18 (Young
		· //	people delaying marriage until they are
			18)
	i) Young parents using family		i) onywal atino myero tii kede
	planning methods to delay the		yore me lagoro nywal nee rii kede
	birth of their next child)		nywalo atin okene (Youฺคิg parents
			using family planning methods to delay
			the birth of their next child)
	j) Girls staying in school		j) otino anyira mede kede
			kwan Lutino anyira me
607	Advantage and the second	(VEC)	(Girls staying in school)
627	Was there anything that	ee (YES)	onyo ginoro oweki kede wur , onyo miti iyonge tic wu no? $\overset{\circ}{\Omega}$
	especially surprised or interested you from those		(Was there anything that especially
	activities/discussion?		(was there anything that especially
	activities/ uiscussion:		СОР
			соругіght.

		BMJ Open	1136/br	I
			136/bmjopen-202	
			surprised or interested you from those activities?)	
		pe (NO)	N S	629
628	What surprised or interested you?	COO PINY (SPECIFY)	ngo ame oweki kede w@r onyo oweki kede miti? (What surprised or interested you?)	
629	Did you discuss these topics with other people after playing these activities?	ee (YES)	ileyo tam man kede jo okene oyonge tuku tic man? (Did you discuss these topics with other people after playing these activities?)	
		pe (NO)	m 11	631
630	With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS MENTIONED	toto (MOTHER)	ileo tam magi kede nga (With whom did you disguss these topics?)	
		papo (FATHER)	con	
		omege kede amege (SIBLINGS)	on on	
		oor (IN-LAWS)	O4 }	
		jo me paco okene (OTHER FAMILY MEMBERS)	Ap:il 17, 2	
		olwagi (PEER)	2024	
		jo me gurp (GROUP MEMBERS)	by	
		en okene (Other)	guest.	
		COO PINY (SPECIFY)	<u>ş;</u> D	
	·		Q	•

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			N
631	In the last 3 months, have any	ee (YES)	i dwete adek ame okat@ni,atela moro
	religious/community leaders		me dini nho me kin pacစ် oloko ikedi
	(identify by name) ever talked		ikom kop magi? ් මී
	about these topics?		(In the last 3 months, have any
			religious/community leaders (identify
			by name) ever talked ab aut these
			topics?) 약
		pe (NO)	202
		Wie pe poyo (DON'T REMEMBER)	<u></u>
	a) How ideal men and women	>	a)kit ame coo kede mog myero bed
	should behave	6	kede g
			(How ideal men and women should
	4		behave)
	b) Physical, emotional or social	· O ,	b) Aloka loka ame bedoŽikom, icuny,
	changes during adolescence)		onyo ikit me kwo ikareane tego
		1	(Physical, emotional or 📆 cial changes
		· (O)	during adolescence) 😅
	c) Romantic feelings or		c) cuny me mit onyo wat ikin coo kede
	relationships		mon
			(Romantic feelings or relationships)
	d) The way men and women use		d)kit ame cooo kede mgn tiyo kede
	power		teko kede twero
	,		(The way men and women use power)
	e) Teasing, bullying or violence		e) tukku, bura onyo gero ikin awobe
	between boys and girls or men		kede anyira onyo ikin cao kede mon.
	and women		(Teasing, bullying or violence between
	and women		boys and girls or men and women)
			eg
			;÷ "D
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			ëc e
			rotected by copyright
			y cc
			уруг
			-igh
			.

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632	In the last 3 months, have you	ee (YES)	ikin dwete adek ame okato ingec,	
	participated in any activity to		ibedo i ticoro keken meyubu kin paco	
	improve your community?		wu?	
	improve your communey.		(In the last 3 months, have you	
			participated in any activity to improve	
			your community?	
		pe (NO)	rch	634
633	What activity did you participate	COO PINY (SPECIFY)	tic ango ame ibedo itiy®me yubu kin	
	in to improve your community?	,	paco wu?	
			(What activity did you participate in to	
			improve your communitฐ?)	
634	Have you heard of a group in this	EE (YES)	Iwinyu nying gurup mo	
	community called CAG?		olwongo ni CAG ikin paço kan?	
	·		(Have you heard of a graup in this	
			community called CAG? <u>∓</u>	
		25 (112)); 	
		PE (NO)	<u> </u>	637
635	Have you ever participated in an	EE (YES)	ibedo iyuba me ticoro ame gurup man	
	activity organized by this group?		en oyiko?	
		· (C).	(Have you ever participeted in an	
		`И	activity organized by the group?)	
		PE (NO)	on	637
636	What activity did you participate	COMMUNITY SENSITIZATION	tic ango ame ibedo iye ZCOO AGAM	
	in? MARK ALL RESPONSE		DUCU What activity did you	
	OPTIONS MENTIONED.		participate in? MARK Alb RESPONSE	
			OPTIONS MENTIONED. 2	
		FIRE PLACE CHAT(WANG-OO)	by ç	
		HOME VISIT	guest.	
		TIOIVIL VISIT	st. R	
		SUPPORT TO A YOUTH GROUP	² rote	
		EN OKENE (Other)	rotected	
		COO DIAIN (SDECIEV)	9	
		COO PINY (SPECIFY)	copyright.	

		BMJ Open	36/bm	
			136/bmjopen-20;	
637	In the last 3 months, have you talked with a village health team member or health provider?	EE (Yes)	I dwete adek okato angec, iloko kede dakatal me kin paco (VET) onyo aticoro me yot kom? (B) the last 3 months, have you talked with a village health team member or other health care provider?)	
		PE (No)	rch 2	648
638	With whom did you talk?	naci (NURSE)	2022. Do	
		acola (MIDWIFE)	Downloaded from http://bimjope	
	4	atic me dakatal (MEDICAL OFFICER)	ed from	
		dakatal me kin paco (VHT)	http://br	
		en okene (OTHER)	njopen.l	
		kob mene (SPECIFY)	pmj.com	
639	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	
		paco atic me yotkom (H/provider's home)	2024 b	
		paco na (My home)	\ \ \	
		I cukul (school)	guest. Protected by co	
		ka gure a bulu (YOUTH CENTER)	otecte	
		MARIE STOPES	yd by	

		BMJ Open	1136/bm	
			136/bmjopen-2021-053203	
		Pharmacy	21-05	
		pe ngeo/ pe poyo (DK/Don't remember)	3203	
		pe ogamo (No response)	on 22	
		en okene (Other)	2 March	
		COO PINY (specify)	rgh 20	
640	What did you talk about? (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wth kede atic me yotkom? What did you talk to the health provider about? MARK ALL OPTIONS MENTIONED)	
	(a) Sexually transmitted infection	pe (NO)	(a) twoe ame kobo ibutu (Sexually transmitted infection)	
	(b) Family planning		(b) lagoro nywal (kalo km nywal) (Family planning)	
	(c) Immunizations	6/2:	(c) agwera (Immunizations)	
	(d) injury	10.	(d) Awano (injury)	
	(e) illness		(e) Lit kom (illness)	
	ALCOHOL		kongo (ALCOHOL)	
	SAFETY		(d) Awano (injury) (e) Lit kom (illness) kongo (ALCOHOL) bedo aber (SAFETY)	
	EARLY MARRIAGE		nyomere con (EARLY MARRIAGE)	
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENCE	
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)	
	PUBERTY		dongngo doko ngat otego (PUBERTY)	
	MUKENE MAPAT (Other)		en okene (Other)	

1		BMJ Open	1136/bm)	
			COO PINY (SPECIFY) 1-0	
	COO PINY (SPECIFY)		COO PINY (SPECIFY) -05	
641	Did you get the information/help you wanted	EE (YES)	ibin inwongngo ngec or kony ame onwongngo itye imoto bild you get the information/help you wanted	
		PE (NO)	Ma	
		Idyere-dyere (PARTIARLY	arch	
642	Did the provider refer you for other services?	EE (YES)	ngat ame iwoto bote own icwali bot ngat okene ame twero miyi kony ame onwongngo itye imito? Did the provider refer you for owner services?	
		PE (NO)	bade de	644
643	What kind of services did the provider refer you for?	COO PINY (SPECIFY)	kodi kony ango ame dano no ocwali me wot nwongngo? What kind of services did the provided refer you for?	
	Administer to only those who talk	ed to the VHT in Qn 638		
	Now, we are going to talk about y disagree with these statements.	our visit to the VHT in the last thre	e months, Please tell me if you agree or	
644	During my last visit with the VHT, she or he treated me with respect	yee (AGREE)	Ilimo na me agiki, abedo kede kare me me penynyo atic me yotkom kede apeny (During my last visit with the VHT, she or he treated e with respect)	
		pe yee (DISAGREE)	20	
645	(During my last visit with the VHT, she or he treated me with respect)	YEE (AGREE)	awinyo bala lok ame abokko kede atic me yotkom obedo imung ikin wan okede. (During my last wish the VHT, she or he treated me with respect)	
		PE YEE (DISAGREE)	ecte	

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646	During my last visit, I felt my	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok	
U-10	conversation with the VHT was	TEL (TOTALE)	ame alokko kede atic me yotkom	
	private		obedo imung ikin wan akede.During	
	private		my last visit, I felt my conversation	
			with the VHT was private)	
		DE VEE (DICA CREE)	with the vni was private)	
		PE YEE (DISAGREE)	arc	
647	I am confident that the VHT will	YEE (AGREE)	atye kede tek cuny ni dਕ੍ਰੇkatal me kin	
	not tell others about my		paco pe akobi jo okene🎠op ame wan	
	conversation, during my last		oleo kede, Ilimo na me agiki (I am	
			confident that the VHT &ill not tell	
			others about my convergation, during	
	*		my last)	
		PEE YEE (DISAGREE)	, , , , , , , , , , , , , , , , , , ,	
		TEE TEE (DISKGREE)	rom	
648	Do you use a mobile phone?	EE (YES)	itio kede cim?	
		- L	(Do you use a mobile phone?)	
			/bm	
		PEE (NO)	9. Op	END
		TEE (NO)	ēn.	LIND
649	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANĜO? (What	
			type of phone do you use?)	
		(FEATURE PHONE)	 	
		(TEATONE THONE)	on	
		(SMART PHONE)	April	
		MUKENE MAPAT (Other)	7, 2	
		COO PINY (SPECIFY)	2024	
		COOTINT (SECIETY)	4 b	
650	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga?യ്യ	
			(Who owns the mobile phone?)	
			<u>'</u> ⊑	
		toto (MOTHER)	Protected by copyright.	
		tota (MOTHEN)	ecte	
	•		d	•
			у с	
			ŏ	
			yrig	
			ht.	

;		BMJ Open	136/bn
			njopen-20:
		papo (FATHER)	136/bmjopen-2021-053203
		omego na kede amege na (SIBLINGS)	9
		oor (IN-LAWS)	22
		jo okene me paco (OTHER FAMILY MEMBERS)	March 2022
		olwagi (PEER)	22. D
	0/	jo me gurup (GROUP MEMBERS)	ownia
		en okene (Other)	padec
	*	kob mene (SPECIFY)	d from
651	Do you have your own SIM card?	EE (YES)	itye kede kad me cim? (Do you have your own SIM card?)
		PE (NO)	injope
		7/0	n. b q
652	What do you use your mobile phone for? PROBE: What else	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your pobile phone
	until respondent indicates no further uses. MARK ALL RESPONSES MENTIONED.		for?) on Aprili
		me gamo ka jo ogoo (RECEIVE PHONE CALLS)	17, 2024 by
		Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	4 by gues
		Yenyo ngec iyii intanet (ACCESS THE INTERNET)	
		Mako cal me video (TAKE PHOTO OR VIDEOS)	Protected by
	1	,	do d

		BMJ Open	136/br	
			136/bmjopen-2021-053203 on	
		Me gwoko cawa onyo me keto cawa me	21	
		poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	53203	
		Me bedo I facebuk (ACCESS FACEBOOK)	3 on 22	
		Me tuku (PLAY GAMES)	2 March	
	6	me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	2022.	
	9/	Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)	wnloade	
		Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	Downloaded from http://bmj	
		Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)	jopen.bn	
		Me kwanno balo me yimail (ACCESS EMAIL)	nj.com/	
		Tic kede twita (USE TWITTER)	on April	
		Pe Ngeo (DON'T KNOW)	17,	
		Pe I kan (NONE OF THESE)	20241	
553	How often do you send SMSes?	Tyen apol nino acel (SEVERAL TIMES A DAY)	Imaro cwalo messej I cima?(How often do you send SMSes?)	
		nine anonok I cabit acel (A FEW TIMES A WEEK)	Protecte	
		nine anonok I dwee acel (A FEW TIMES A MONTH)	rotected by copyright.	

		BMJ Open	36/brr
			136/bmjopen-202
		Pe romo tyen acel I dwee acel (LESS THAN	21-053203
		ONCE A MONTH)	5320
		pe atwal (NEVER))3 on
		Pe ngeo(DON'T KNOW)	22 Ma
654	How often do you receive	tyen apol nino acel (SEVERAL TIMES A	imaro nwongngo messe l cimi tyen
	SMSes?	DAY)	adii? (How often do yo\receive SMSes?)
	0	nine anonok I cabit acel (A FEW TIMES A	ownlo
		WEEK)	ade
		nine anonok I dwee acel (A FEW TIMES A MONTH)	nloaded from
		Pe romo tyen acel I dwee acel(LESS THAN ONCE A MONTH)	http://b
		pe atwal(NEVER)	mjop
		Pe ngeo (DON'T KNOW)	en.bn
655	Do you currently use more than	EE (YES)	itiyo kede cim akato ace (Do you
	one mobile phone?		currently use more than one mobile phone?)
		PE (NO)	phone:)
		PE (NO)	±
656	Do you currently use more than one SIM card?	EE (YES)	itye itic kede line me cim akato acel? (Do you currently use more than one
			SIM card?) §
		PE (NO)	gues
657	If you could receive SMSes with	yee ducu (DEFINITELY YES)	ka onwongngo itwero nuongngo
	health information and tips, would you read them?		kwena ame kato icim, itavero kwanno?
		yee idyere-dyere (PROBABLY YES)	d by copyright.
			l

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SKIP

101.	Sex of respondent	ICOO (Male	Agam apeny obedo icoo nyo dak g (Sex of respondent)
		DAKO (Female)	:03 on 2
102.	(How old were you on your last birthday?) [If the participant does not know his/her age: "Can you tell me in what year you were born?"]	MWAKA MERE (Age in complete years)	Onwongo itye mwaka adi ikare ange ikwero kede nino me nywalli ni me agikke PENY KA AGAM APENY PE NGEO MWAKA MERE: ([AGE TO BE CALCULATED AFTER HE INTERVIEW]
	[AGE TO BE CALCULATED AFTER THE INTERVIEW]	6	(How old were you on your last biếthday?) "Itwerotita I
		See.	dwekedemwakameneameonywa顏ye?" [If the participant does not know his對her age: "Can you tell me in what year you born?"]
		DWETE (Month)	://br
		MWAKA ONYWALE IYE (Year born)	mjopen
		PE NGEYO MWAKA (Don't know age)	.bmj.co
103.	What is your religion?	ATOLI (Catholic)1	Itye idini mene? (What is your religion?)
		OGERI (Protestant)2	Pri
		ACILAM (Muslim)3	117,
		OLARE (Pentecostal)4	2024
		SDA (SDA)5	24 5
		OKENE (Other)99	ð.
		TITI (Specify)	est
104.	Which tribe do you primarily identify with?	ACHOLI1	Rok ni obedo mene? (Which tribeप्रीo you primarily identify with?)
		LANGO2	cted.
		ATESO3	ву сор

		BMJ Open	36/bn	
			136/bmjopen-202	
		KUMAM4	21	
		MA'DI5	5532	
		OKENE MAPAT (OTHER)99	203	
		TITI (SPECIFY)	9	
105.	What is the highest level of school you attended?	PE MORO (None)1	Ikwano igik ikilaci adi? (What is the highest level of school you attended?)	
		PURAIMARI (Primary)2	 	107
		CINIA 4 (O level)3	2022.	107
		CINIA 6 (A level)4	. 0	107
	9/	UNIBACITI (University)	winload	107
		KA KWAN ADWONG (Tertiary)6	ed from	107
106.	What is your primary reason for not having attended school (MULTIPLE RESPONSES POSSIBLE.)	MYERO TII PI OCARA (Need to work for a wage)1	Tyen kop ango ame ogengi kwan (What is your primary reason for not having attended school) (MULTIPLE RESPONSES POSSIBLE.)	110
		MYERO TII I PACO (Need to work at home)2	pen.br	110
		CENTE ME KWAN PE (No funds for school fees)3	com/	110
		ONYWAL PE MITO (Parents don't want)4	on Apri	110
		LWENY OBALO KWAN OKO (Disrupted by war)5	117,	110
		OKENE (Other)99	2024	110
		COO PINY (Specify)	by	
107.	Are you currently in school?	EE (Yes)1	Aman itye icukuloro? (Are you currently in school?)	
		PE (No)2	roj	110
108.	Do you plan to continue studying?	EE (Yes)1	Itye kede pulan me medde kede kwanni? (Do you plan to continue studying?)	110
		PE (No)2	y copyright	

		BMJ Open	36/br	
			36/bmjopen-20;	
109.	What is your primary reason for not	YAC (Pregnancy)1	Tyen kop ango ame gengi mede kede kwan?	
	continuing your studies? MULTIPLE	. 5 //	(What is your primary reason for got	
	RESPONSES POSSIBLE.		continuing your studies?) MULTIP	
			RESPONSES POSSIBLE.	
		MYERO TII PI OCARA (Need	22	
		to work for a wage)2	March	
		MYERO TII I PACO (Need to	rch	
		work at home)3	2022	
		CENTE ME KWAN PE (No		
		funds for school fees)4	Oow	
		ONYWAL PE MITO (Parents	n io	
		don't want)5	Downloaded from	
		OTYEKO KWAN (Has	<u>a</u>	
		completed education) 6	om m	
		LWENY OBALO KWAN OKO	http:/	
		(Disrupted by war)7	6	
		OKENE (Other)99	mjo	
		TITI (Specify)	p e e	
110.	Do you have a job or do you carry	EE (Yes)1	Itye kede tic ma itimo onyo ginor ame akelo	
	out an activity for which you receive		lim ite caoni onyo magoba moro (Do you	
	an income or earn a profit?		have a job or do you carry out an activity for	
			which you receive an income or e&rn a	
			profit?) →	
		PE (No)2		112
111.	What is your occupation, that is	TITI	Itimo ngo, man aye kit kodi tic mëne ame	
	what kind of work do you mainly	(Specify)	imaro tiyo kare ducu? (What is your	
	do?		occupation, that is what kind of work do you	
			mainly do?)	
		AGAM PE (No response)	<u> </u>	
		88	Prote	
112.	Are you the head of the household?	EE (Yes) 1	Yin aye iloo wi paco ame ibedo iye no? <i>(Are</i>	115
	The year the head of the headerfold.	(, 33,	you the head of the household?) $\frac{\partial}{\partial}$	
		PE (No) 2	-	
		r L (110) 2	copyright	<u> </u>

		BMJ Open	36/br	
			136/bmjopen-20	
113.	Is the head of household under	EE (Yes) 1	Ceni ngataloo wipaco ni tye ame mwaka	
	the age of 20?	(1.55)	mere petunu 20? (Is the head a household	
			under the age of 20?) $\overset{\circ}{\omega}$	
		PE (No) 2	on	
114.	What is your relationship to the	APAE (Spouse) 1	Wati kede ngat aloo wi paco man ye ningo?	
	household head?		(What is your relationship to the Pousehold	
			head?)	
		ATIN (Child) 2	20	
		AKWAR (Grandchild) 3	, D	
	Uh	WAT OKENE (Other relative)	0	
		4	aoln	
		TITI (Specify)	wnloaded	
	-	NGAT OKENE APE WAT	d fro	
		(Other non-relative) .99	ă _	
115	What is your marital status now?	PE ONYOMERE (Never	Aman inyomere iya nyo pe inyomere? (What 1	18
	,	married)1	is your marital status now?)	
		ONYOMERE (Married)2	op Op	
		BEDO KARACEL(Living	*	
		together) 3	<u>b</u>	
		OKWERE GINI OKO	I.com/	
		(Divorced)4	m/ c	
		OPOKERE GINI OKO	3 >	
		(Separated)5	ф _{гі}	
		ICOO/DAKO TOO	on April 17, 20	
		(Widowed)6	20	
116	How long have you been/were you	DWETE (Months)	Ibedo wunu dong ame onwongo 4	
	married/living together for?		inyomere/bedo karacel pi kare arðm kwene?	
			(How long have you been/were yရွ်ပ	
			married/living together for?)	
		MWAKI (Years)	rrote	
117	(Are you/your spouse/partner	EE (Yes)1	Ceni yin/cegi/cwari/apae ni yac a ani? (Are	
	currently pregnant?)		you/your spouse/partner currently	
			pregnant?) oc ppyright.	

		PE (No)2	1-0	
		PE NGEO (Don't know)98	532	
118	How many children do you have?	Welotino (Number of children)	Itye kede otino adi? (How many children do you have?)	If `00' skip to122
119	How old is your youngest child?	Dwete (Months)	Atini me agiki dong tye mwaka ad (How old is your youngest child?)	
		Mwakki (Years)	20	
120	When do you want your next/first child? ENTER 99 IF RESPONDENT DOES NOT WANT ANY MORE CHILDREN /CHILDREN.	Dwete (Months)	Atini okene/me acaki itamo ni inywal awene? (When do you want your next/first child?) ENTER 99 IF RESPONDENT DOES NOT WANT ANY MORE CHILDREN /CHILDREN	
404		Mwakki (Years)	<u> </u>	
121	How many sons and daughters do you have, who currently live with you?	OTINO AWOBE I PACO (Sons at home)	Itye kede otino awobe kede anyira adi, ame aman tye abedo kedi? (How many sons and daughters do you have, who currently live with you?)	
		OTINO ANYIRA I PACO(Daughters at home)	an.bmj.	
122	How many other children, both male and female, aged less than 20 years old currently live with you?	OTINO AWOBE I PACO (Males at home)	Otinoadi, owobekedeanyira, amemwakagipekato 20 amantyeabedokedi? (How many other children, both male and female, aged less than 20 years old currently live with you?)	
		OTINO ANYIRA I	2024	
		PACO(Females at home)	nonek ni tve make tis a see kade men. Ka olek	

SECTION 2: NORMS AND ATTITUDES TOWARD GENDER ROLES: Apeny okene anonok ni tye mako tic a coo kede mon. Ka oloko ikom tic a coo kede mon, nwongo otye olok ikom tic ame atir atir opoko oko pi coo kede mon. Bed agen eka ite gammo apeny kede tek cuny, dok pet ye agama me tye ateni nyo ape tye ateni; magi ni ducu obedo ka tammi

(The next few questions are about gender roles. When we mention gender roles, we mean the specific roles design atted for men and women. Please be honest--your answers are confidential, and that there are no right or wrong answers; these are simply your opinions.)

		BMJ Open	136/b	1
			136/bmjopen-202	
201	I am now going to read more statements. After I read these statements please tell me if you AGREE or DISAGREE.	OYEE (AGREE)	Aman dong abino medde kede kwanno nyig lok okene. Ka atyeko kwanno nyig okene. Ka atyeko kwanno nyig okene ite koba ka IYEE nyo PE IYEE (I ank now going to read more statements. After I read these statements please tell me if you AGREE or DISAGREE.)	
	a) Only when a woman gives birth to a child is she a real woman.	PE OYEE (DISAGREE)	a) Dano a dako obedo dako kekeneka en onywalo atin (Only when a woman gives birth to a child is she a real woman.)	
	b) Only when a man has a child will he be a respected member of clan.	50	b) Oworo icoo itekere mere kenegi ka en onywalo atin (Only when a man hes a child will he be a respected member of slan.)	
	c) Giving a bath and feeding kids arethe mother's responsibility.	Crr	c) Lwok okede miyo otino cem obedo tic a toto (Giving a bath and feeding ids arethe mother's responsibility.)	
	d) A woman's role is taking care of her home and family.	Chi	d) Tic a dako obedo beme gwokke paco kede joture (A woman's role is taking care of her home and family.)	
	e) Boys should have more free time than girls		e) awobe myero bed kede cawa gromo me lalataa kato anyira (Boys should have more free time than girls)	
	f) It is important for boys to get an education than girls.		f) Pire tek tutwal me otino awobenwongo pwonyere akato otino anyira icuktil (It is important for boys to get an education than girls.)	
	g)If there is a limited amount of money to pay for school fees, it should be spent on sons first.		g) Kacente me culu kwan tye anobok, myero otii kede me culli otino awobe kwan nam aacel (If there is a limited amount of money to pay for school fees, it should be spent on sons first.)	
	h)A man should have the final word about decisions in the home		h) Tam icoo myero dong bed tamane agiki I paco, dok myero lub (A man showld have the final word about decisions in the home.)	

	_		N
	i)A woman should obey her		i) Dako myero wor cware iyore maro
	husband in all things.		ducu (A woman should obey her husband in
			all things.)
	j) A woman has a right to refuse sex.		j) Dako tye kede twero me kwero soko ribere
	_		kede icoo (A woman has a right to refuse
			sex.)
	k)Men are always ready to have		k) Coo bedo ame oyubere me ribere kede
	sex.)		dako ikare ducu (Men are always Ready to
			have sex.
SECTIO	ON 3. ATTITUDES TOWARDS GENDER AN	D GENDER-BASED VIOLENCE: Ar	mitto dong penyi apeny mogo anorok amako kit ame coo
	ion myero bed kede, kede gero i eria ma		<u>=</u>
	I now like to ask you a few questions abo		hehave and violence in this area
i would	Thow like to ask you a few questions abo	but now men and women should	d beliave and violence in this area.
301	After I read each statement please	OYEE (AGREE)	Ka atyeko kwanno nyig lok magi kong ite titta
	tell me if you AGREE, or DISAGREE.	0.12(1.00.12)	ka IYEE nyo PE IYEE After (I read each
	ten men your tenez, or biortenzer		statement please tell me if you AGREE, or
			DISAGREE).
		PE OYEE (DISAGREE)	9
	a) There are times when a woman		a) Tye kare ame myero dako myero opwod
	deserves to be beaten.		(There are times when a woman deserves to
	deserves to be beatern		be beaten.)
	b) Physically beating your children is		b) Pwodo otino ni obedo yore aber me miyo
	a good way to make them behave		gi bedo otino aber (Physically begting your
	a good way to make them behave		children is a good way to make them
			behave.)
	c) A woman should tolerate		c) Dako myero kanya kanya kadi gero tye pi
	violence to keep her family together		gwoko ture (A woman should tolekate
	violence to keep her family together		violence to keep her family together.)
	d) I believe it is important to use		d) Ayeng kede ni piretek me tic k@de yore
	non-violent ways of disciplining		okene ame pe obedo gero me pwenyo bulu.
	youth, instead of physical violence		(I believe it is important to use nog-violent
	youth, instead of physical violence		γ φ
			ways of disciplining youth, instead of physical
			violence.)

		BMJ Open	1136/bmjopen-	1
			jopen-202	
	e) If someone insults a man, he should defend his reputation with force if he has to.		e)Ka ngatoro onywaro icoo, en myero doki ye kede gupunyo romo me gwok ko koo mere ka ame en myero tim amino (If comeone insults a man, he should defend has reputation with force if he has to.	
	f) A man using violence against his wife is a private matter that shouldn't be discussed outside the couple	6	f) Icoo ame tye atic kede gero ikom cege obedo kop me yiot ame pe myerookel oko. (A man using violence against his vife is a private matter that shouldn't be discussed outside the couple.) (A man using violence against his wife is a private matter that shouldn't be discussed outside the couple.)	
302	I am now going to read more statements. After I read these statements please respond with YES or NO. Do you think people in your community would try to do something to stop violence between a man and a woman if:	EE (YES)	Aman abino kwani nyig lok magi. Ka atyeko kwano nyig lok magi koba ka ni Egnyo PE. Itamo ni jo ikin paco ni onwongo kwero timo ginoro me juko gero ikin icoo kede dako teki ka: (I am now going to readmore statements. After I read these statements please respond with YES or NO.) by (Do you think people in your community would try to do something to stop violence between a man and a woman if:	
	a) A man is physically abusing his partner in their home.	PE (NO)	a) A Icoo tye apwodo cege I yipacegi. (A man is physically abusing his partner in their home.)	
	b) A man is physically abusing his partner in a public place.		b) Icoo tye apwodo cege ikim Iwak. (A man is physically abusing his partner in a public place.)	
	c) A woman is physically abusing her partner in their home		c) Dako tye apwodo cware iyi pacogi (A woman is physically abusing her partner in their hom	

am now going to read more tatements. After I read these tatements please tell me if YES or NO any of these occurred in the last months. I advised a young person not to use violence against women.	EE (YES) PE (NO)	d) Dako tye apwodo cware ikim kak. (A woman is physically abusing her partner in a public place.) Atyeko kwanno ite koba ni EE nycepe ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.)
am now going to read more tatements. After I read these tatements please tell me if YES or I/O any of these occurred in the last months. I) I advised a young person not to se violence against women. I) I talked to a young person about		Atyeko kwanno ite koba ni EE nyo PE ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe to kede gero ikom dako (I advised a young person
tatements. After I read these tatements please tell me if YES or IO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about		Atyeko kwanno ite koba ni EE nyo PE ka jami magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe be kede gero ikom dako (I advised a young person
tatements. After I read these tatements please tell me if YES or IO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about		magi kong otimere ikine me dwete 3 okato. (I am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe bc kede gero ikom dako (I advised a young person
tatements please tell me if YES or NO any of these occurred in the last months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	am now going to read more statements. After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe to kede gero ikom dako (I advised a young person
NO any of these occurred in the last smonths. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	After I read these statements please tell me if YES or NO any of these occurred in the last 3 months.) a) Amio ngatoro atidi tam me pe ge kede gero ikom dako (I advised a young person
months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe bc kede gero ikom dako (I advised a yoğna person
months. I) I advised a young person not to use violence against women. I) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe dic kede gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	PE (NO)	a) Amio ngatoro atidi tam me pe ec kede gero ikom dako <i>(I advised a young person</i>
use violence against women. b) I talked to a young person about	PE (NO)	gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	٥	gero ikom dako (I advised a young person
use violence against women. b) I talked to a young person about	0	gero ikom dako (I advised a young person
o) I talked to a young person about		, , , , , , , , , , , , , , , , , , , ,
		not to use violence against women.)
		b) Aloko kede ngatoro atidi me petic kede
IOL USITIE VIOIETICE LO SOIVE		gero me cob bo rucurucu ikingi (<u>≇</u> talked to a
lisagreements.	h	young person about not using violence to
and the second s		solve disagreements)
) I advised a young person not to		c) Amio ngatoro atidi tam me pe tic kede
ise violence as a way to gain or		gero acalo yore me nyuti joni en kome tek
lemonstrate power over someone		nyo eteke lo nga toro okene. (I advised a
else.		young person not to use violence as a way to
		gain or demonstrate power over someone
		else.)
l) Lused non-violent means to		d) Atio kede yore okene ame pe opedo gero
		me cobbo peko me yiotwa. (I useð non-
·		violent means to resolve marital Roblems
		with my partner.)
SEXUAL AND REPRODUTIVE HEALTH	I NORMS: Amitta dan	
		9
w like ask vou about sexual and repr	roductive health and fa	amily planning.)
	,	Abino kwanni nyig lok okene amago yotkom
• •	(/	a mon. Ka atyeko kwanni ite titta ka IYEE nyo
		PE IYEE (I am going to read somestatements
·		about women's health. After I regd each
COREC OF DISTOREE.		about women stream. After the gold cuch
l) e	I used non-violent means to esolve marital problems with my artner. SEXUAL AND REPRODUTIVE HEALTI	I used non-violent means to esolve marital problems with my artner. SEXUAL AND REPRODUTIVE HEALTH NORMS: Amitto don to like ask you about sexual and reproductive health and farm going to read some statements bout women's health. After I read each statement please tell me if you

			02
			statement please tell me if you AGREE or
			DISAGREE.) Sã
			, 20 20 20 20 20
			on :
		PE (NO)	8
	a) It is safe for adolescent girls to		a) Anyira atye apong twero tic kege yen lago
	use contraceptives.		nywal abongo peko moro keken.
			for adolescent girls to use contraceptives.)
	b) Girls who carry condoms are		b) Anyira ame woto kede kondongnwongo
	promiscuous.		wanggi tar (obedo olaya). (Girls vho carry
		4	condoms are promiscuous.) $\frac{1}{8}$
-	c) A man and a woman should		c) Icoo kede dako myero mok tanggi karacel
	decide together what type of		ikom yat lago nywal ame gin myego tikede.
	contraceptive to use.		(A man and a woman should decide together
	·		what type of contraceptive to use
	d) An ideal married couple will		d) Jo onyomere ikoko me bino nywallo atingi
	produce a child in the first year of	· (Q)	me acel ikine me mwaka me ace tame gin
	marriage.		onyomere kede (An ideal married couple will
			produce a child in the first year of
			marriage.)
	e) Providing sexual and		e) Pwonyo otino atye adongo kede loka
	reproductive health services to		mako yot kom akwa koribere ikin [⊋] coo kede
	adolescents leads to promiscuity.		dako karacel kede nywal pwonyo dikede tar
			wang (Providing sexual and reproductive
			health services to adolescents leads to
			promiscuity.)
	f) Family planning methods should		f) Pemyeroomii yen me lagonyw ⊋ bot
	not be given to unmarried		joatyeadongoadongaamepwodp⊞nyomere
	adolescents.		(Family planning methods should 40t be
			given to unmarried adolescents) ਤ
08	During the last six months have you	ee (YES)	I dwete abicel okato angec, iyen py yore
	sought a family planning method?		moro me lagoro nywal? During the last six
			months have you sought a family alanning
	1	İ	method?

		pe (N0)	1-05	411
409	Where did you go to seek the	bot dakatal me kin paco (VHT)	iwoto iyenyo yore me lagoro I kwene?	
	family planning method?		Where did you go to seek the fam ily	
			planning method?	
		I kilinik a ngatoro (Private	Ma	
		clinic / Drug shop)	arch	
		I dakatal (Health Center)	2022	
	1	Marie Stopes Uganda	2. Do	
		en okene (Other)	vnloa	
		kob mene (Specify)	de ed f	
		90,	om h	
410	Did you receive the family planning	ee (YES)	ibin inwongngo yore me lagoro nywal ame	
	method you wanted from the		onwongngo itye imito? Did you seceive the	
	provider?		family planning method you wanted from	
			the provider?	
		pe (NO)	bmj.	
			COOT	

SECTION 5: COMMUNICATION AND COMMUNITY MOBILIZATION

SECTION 5: COMMUNICATION AND COMMUNITY MOBILIZATION

Apeny okene nit ye ikom rweyo lwak kede leyo lok ikin lwak. Bed agen – agam ni ducu tye me imung, dok poyo nip e tye agama me tye ateteni nyo ape tye ateteni; magi obedo ka tami

(The next few questions are about community mobilization and communication. Please be honest--your answers are confidential, and remember, there are no right or wrong answers; these are simply your opinions)

			Ž
501	(I am now going to read more	EE (YES)	Apeny okene nit ye ikom rweyo l\eargegak kede
	statements. After I read these		leyo lok ikin lwak. Bed agen – aga∰n ni ducu
	statements please tell me if YES or		tye me imung, dok poyo nip e tye⊋agama me
	NO, these have occurred in the past		tye ateteni nyo ape tye ateteni; nagigi obedo
	THREE months).		ka tami ğ
			бу
			C

kede ngatoro atitidi amako ber a kede mon ducu arorom al have a young person about the ce of treating men and women kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede mon ducu arorom a young person about the ce of treating men and women kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.)
kede nyako nyo awobi moro ikom ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
kede nyako nyo awobi moro ikom a ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
kede nyako nyo awobi moro ikom a ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amako wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amakawat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
ame timere ka dano tykadongo ano otego (I have spoken to a boy bout the changes during puberty) ngatoro atidi tam amakawat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini have ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
ngatoro atidi tam amaka wat ikin dako ame mitte gini
ice to a young person about relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a goung no wanted to avoid getting
relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
relationships.) o ngatoro atidi ame onwongo pe miti me yac (I helped a poung no wanted to avoid getting
miti me yac (I helped a goung no wanted to avoid getting
no wanted to avoid getting
- 0-
- 8
p e
itin tam me wot lok kede ngatoro
en geno man ka ngatoro omamako
oro ame pe yomo yi gi (ဋិadvised a
lk to an adult they truststf someone
nem in a way that make them feel
table)
ede ngatoro atidi ikom giħ ame
e bedo icoo nyo dako an e oworo I
va (I have spoken to a 🏚 ung
out what it means to bea
<u>-</u>
man or woman in our & Iture.)
man or woman in our ঞ্জ ture.)
man or woman in our @Iture.) POOR
)

3		BMJ Open	136/bmj
			136/bmjopen-202
601	Please tell me if you AGREE or	OYEE (AGREE)	Kong itita ka IYEE nyo PE IYEE kede nyig lok
	DISAGREE with the following		magi: (Please tell me if you AGRE For
	statements:		DISAGREE with the following statements)
		PE OYEE (DISAGREE)	On On
	a) Drinking to the point of getting		a) Matokongo naka imerobedo y <u>o</u> re
	drunk is an acceptable way to relax		acelameoyee me weo (Drinking to the
			point of getting drunk is an acceptable way
			to relax)
	b) (Drinking alcohol makes		b) Mato kongo mio jo timo jami mogo ame
	people do things they might regret		otwero paro icen kede dang balo ot kom gi
	and hurt their health)		oko (Drinking alcohol makes peope do things
			they might regret and hurt their hall alth)
	c) (Drinking alcohol is an		c) Mato kong obedo anyut me teြန်စ် a dano
	indication of a man's physical	\ 0.	icoo, kanyo jami kede gupu me ri B er ekede
	strength, endurance and sexual		dako (Drinking alcohol is an indication of a
	prowess)	' /-	man's physical strength, endurange and
		70 ,	sexual prowess) 3.
602	I am now going to read some	EE (YES)	Aman abino kwanni nyig lok mog <mark>@</mark> . Ka atyeko
	statements. After I read these		kwanno nyig lok magi kong ite koga ni EE nyo
	statements please tell me if YES or		PE ka jami magi otimere ikine megdwete
	NO if these have occurred in the		adek okato (I am now going to read some
	past three months		statements. After I read these stagements
			please tell me if YES or NO if these€have
			occurred in the past three months
		PE (NO)	7, 2
	a) I helped someone not drink to		a) Akonyo ngatoro pe me matto Rongo naka
	the point of getting drunk.		te mere (I helped someone not drughk to the
			point of getting drunk). မူ
	b) Participated in an activity to		b) Abedo itutte me ddwokko pinggrwom me
	decrease alcohol consumption in		matto kongo I kin paco na I (Participated in
	my community		an activity to decrease alcohol consumption
			in my community) টু

		BMJ Open	1136/bm	
			136/bmjopen-202	
	c) I discussed with a young person		c) Aleo kede ngatoro atidi jami areco ame	
	about the possible risks of drinking		twero nen ka imato kongo (I discussed with	
	alcohol		a young person about the possibl&risks of	
			drinking alcohol) 9	
	N 7: EXPOSURE TO INTERVENTION		22	
Apwoyd	tutwal. Otye dong owot bala otyeko oko	o. Aman, amitto penyi lok amako	gi rabbo ngec apol apapat kede kwana ame ibi	in ibedo winyo
acocoki			ch 2	
	· · · · · · · · · · · · · · · · · · ·	d like to ask you questions about	different types of media and messages you ma	ıy have been
•	to recently.)	T	······································	
701.	How often do you listen to the	NINO NINO (ALMOST EVERY	Imaro winyo redio pi kare arom kwene?	
	radio?(READ THE OPTION OUT	DAY)	(How often do you listen to the ræ	
	LOUD)		(KWAN GIN MAN ALONGO (READ THE	
	•	ICEL I CARIT ACEL VAT I FACT	OPTION OUT LOUD.)	
		ICEL I CABIT ACEL (AT LEAST	om h	
		ONCE A WEEK) ICEL ICEL I DWE ACEL (AT	 	
		LEAST ONCE A MONTH)	o://bmja	
				705
		PE KOM ATWAL (NOT AT	pen.	705
702.	What radio stations do you usually	ALL) MEGA FM	Citecen mene ame imaro winyo? (What	
702.	listen to? (MULTIPLE RESPONSES	WEGA FW	radio stations do you usually listen to?	
	POSSIBLE)		(AGAM APOL TWERE)	
	1 OSSIBLE)	CHOICE FM		
		RADIO LIRA	Aprili 17,	
		VOICE OF LANGO FM	2024	
		OKENE MAPAT (OTHER)	24	
		TITI (SPECIFY)	b <u>y</u>	
		IIII (SI LCII I)	gues	
703.	In the last 3 months, have you heard	EE(YES)	I kine me dwete 3, kong iwinyo ஹ்ruguram	
	any radio broadcasts on the		moro ame otye aleyo iye lok maह्वाँ:	
	following:		(In the last 3 months, have you heard any	
			radio broadcasts on the following∰	

3		BMJ Open	136/bm	
			136/bmjopen-202	
		PE(NO)	27-0	
		PE POYO(DON'T KNOW)	5 320	
	a) How ideal men and women should behave)		a) Kit ame coo kede mon myero bed kede (How ideal men and women shoul) behave)	
	c) Romantic feelings or relationships)		c) Miti nyo wat ikin coo kede mon (Romantic feelings or relationships)	
	d) Young people using family planning methods to prevent pregnancy	500	d) Jo atino atye atic kede yore me lago nywal me gengo yac (Young people using family planning methods to prevent pregnancy)	
	e) Men and women making decisions together in the home	6/	e) Coo kede mon atye amokko tam gi karacel I yi udi gi (Men and women making decisions together in the home)	
	g) Role of boys and girls in the home		g) Tic owobe kede onyira i kin paci (Role of boys and girls in the home)	
	h) Young people delaying marriage until they are 18		h) Jo atino atye adiro kare me nyomere ka okuru gini ka otunu gini mwaka 18 (Young people delaying marriage 2/2 ntil they are 18)	
	i) Young parents using family planning methods to delay the birth of their next child		i) Jo atino atye atic kede yore medago nywal me diro kare me nywallo atin gi ekene (Young parents using family planging methods to delay the birth of the next child)	Skip to 705 If NO for all
	j) Girls staying in school)		j) Onyira ame tye I cukul (Girls staying in school)	

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704	What was the name of the	COO PINY (SPECIFY)	nying puruguram man onwongo gbedo ngo?	706 if
	program?		(What was the name of the program?)	Oteka
			03	mentioned
705	Have you ever listened to a radio		anaka ni kong iwinyo purugurammoro me	
	drama called Oteka? PROBE DAY	KAKARE (YES)	tuku goga I redio ame olwongo ng Oteka?	
	AND TIME OF PROGRAM.		Have you ever listened to a radio ब्र्वेनवान	
			called Oteka? PROBE DAY AND TIME OF	
			PROGRAM.	
	0,	KUU (NO)	Down	718
706	On what radio station did you hear	MEGA FM	iwinyo puruguram me Oteka I realio mene?	
	Oteka?		On what radio station did you hear Oteka?	
		CHOICE FM	rom h	
		RADIO LIRA	ltp://b	
		VOICE OF LANGO FM	njope	
		UNITY FM	n.bm	
		MUKENE MAPAT (OTHER)	j.com	
		COO PINY (SPECIFY)	on ,	
707	In the last 6 months, how often	EVERY WEEK	। dwete abicel okato angec, iwinर्फू Oteka	
	have you listened to Oteka?		tye adii? In the last 6 months, how often	
			have you listened to Oteka?	
		MOST WEEKS)24 by	
		OCCASIONALLY	guesi	

708	When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS.	cawa ame otuku I yee pe tye aber (Time of broadcast is not convenient)	ka pe iwinyo Oteka, nwongngo ngo omio pe iwinyo? When you don't listen to Oteka, what is the main reason? PROMPT: What other reasons? UNTIL RESPONDENT INDICATES NO MORE REASONS.
	MARK ALL RESPONSE OPTIONS MENTIONED.		MARK ALL RESPONSE OPTIONS M€NTIONED.
	WENTIONES.	wia wil oko (I forget)	Ñ
		jo okene en aye moko tam ikom winyo redio (Other people decide on radio use)	Downloaded
		radio na pe tye (Don't have own radio)	from h
		batri pe tye (No batteries)	ttp://t
		tama pe iye (Not interested)	m _j op
709	Where do you usually listen to this program?	paco (HOME)	puruguram man imari winyo ikwene? (Where do you usually listen to the program?)
		I cukul (SCHOOL)	on
		kanica (CHURCH)	April
		ite gurup (PLATFORM GROUP OR CLUB)	17, 2024
		I poto (FARM)	by
		en okene (OTHER)	guest
		COO PINY (SPECIFY)	•
			Protected by copyright.

		BMJ Open	136/br	Pa
			136/bmjopen-202	
710	Which character is most like you? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR	OKIDI	nga ame inwongo ni tye bala yin puruguram man? (Which charcater is most like you?) SHOW CARDS WITH CHERACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER	
	DESCRIPTIONS, IF NEEDED.	NYERO	SUMMARY FOR DESCRIPTIONS, IF SEEDED.	
	^O _b	KOMAKETCH ORACH	22. Down	
		MUKENE MAPAT (Other)	nloaded	
	*	COO PINY (SPECIFY)	from	
711	Which character do you most admire? SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	NYERO	nga ame cunyi maro aloo I tuku goga no? (Which character do you most admire in the drama?) SHOW CARDS WITH CHARACTER NAMES AND HAVE RESPONDENT SELECT 1 CHARACTER. REFER TO CHARACTER SUMMARY FOR DESCRIPTIONS, IF NEEDED.	
		AKETCH	on	
		KOMAKETCH	April 1	
		ORACH	7, 20	
		MUKENE MAPAT (Other)	2024 B	
		COO PINY (SPECIFY)	by gu	
			guest. Protected by copyright.	

			IN IN
712	Which character do you most	OKIDI	nga ituku man ame dong cunyi pத் maro
	dislike? SHOW CARDS WITH		aloo? NYUT KAD AME TYE KEDE N ING
	CHARACTER NAMES AND HAVE		OTUKU APAPAT. MI AGAM APEN EME YERO
	RESPONDENT SELECT 1 CHARACTER.		NYING ACEL. Which character do you most
	REFER TO CHARACTER SUMMARY		dislike? SHOW CARDS WITH CHARACTER
	FOR DESCRIPTIONS, IF NEEDED.		NAMES AND HAVE RESPONDENT €ELECT 1
			CHARACTER. REFER TO CHARACTER
			SUMMARY FOR DESCRIPTIONS, INNEEDED.
		NYERO	, N
			D
		KOMAKETCH	wnlo
		ORACH	aded
		MUKENE MAPAT (Other)	from
		COO PINY (SPECIFY)	http:
713	What were the main topics	mara (LOVE)	kodi wii kop ango ame obedo levo I
/13	discussed on Oteka?	mara (LOVL)	puruguram man? (What were the main
	PROMPT: What other topics? UNTIL		topics discussed on Oteka?) UNTIL
	RESPONDENT INDICATES NO MORE		RESPONDENT INDICATES NO MORE TOPICS.
	TOPICS.		RESPONDENT INDICATES NO IVIORE TOPICS.
	TOPICS.		MARK ALL RESPONSE OPTIONS MENTIONED.
	MARK ALL RECRONICE ORTIONS		WARK ALL RESPONSE OPTIONS IN TIONED.
	MARK ALL RESPONSE OPTIONS		April
	MENTIONED.		
		wat ikin coo kede mon	7
		(RELATIONSHIPS BETWEEN	202
		MEN AND WOMEN)	7, 2024 by guest
		kwan anyira (GIRLS) g
		EDUCATION)	Jess
		wat ikin onywal kede otino gi	<u> </u>
		(RELATIONSHIPS BETWEEN	rote
		CHILDREN AND PARENTS)	Protected
		gum me kwan pi jo atino	
		(EDUCATIONAL	by copyright
	l	-	<u> </u>
			r <u>i</u> Θ

		BMJ Open	1136/bm	i
			136/bmjopen-2021-053203 on	
		OPPORTUNITIES FOR YOUNG	71-0	
		PEOPLE)	532	
		lara lobo (LAND CONFLICTS)	03 0	
		en okene (Other)	⇒ 22 22 ₹	
		COO PINY (SPECIFY)	Marc	
714	Have you talked to others about		iloko kede ngotoro keken ikom kep ame	
	these topics you heard on Oteka?	ee (YES)	iwinyo I puruguram man I redio? (Have you	
			talked to others about these	
			topics/topics you heard on oTEK බි	
		pe (NO)	aded.	716
715	With whom did you talk about	papa (Father)	nga ame iloko kede ikom kop ame iwinyo l	
	these topics?		puruguram man? (With whon did you	
			discuss these topics?) MARK ALL RESPONSE	
	MARK ALL RESPONSE OPTIONS MENTIONED	(0).	OPTIONS MENTIONED	
		kwaro (Father-in-law)	n.bmj	
		mama (Mother)	nj.com/	
		atat (Mother-in-law)		
		Brother or sister	on April 17	
		wat okene (other relative)	17, 20	
		alwak (PEER)	, 2024 by	
		jo me gurup (GROUP MEMBERS)	guest.	
		en okene (Other)	Prote	
		COO PINY (SPECIFY)	Protected by co	
		1		1

1		BMJ Open	136/bmjopen-	
			ppen-202	
716	Was there anything that especially surprised or interested you from Oteka?	ee (YES)	onyo tye ginoro ame oweki kedeawur, onyo miti moro ame oya ikom puruguram me oteka? (Was there anything that especially surprised or interested you from those activities?)	
		pe (NO)	arch ;	718
717	What surprised or interested you?	COO PINY (SPECIFY)	Ngo ame omii wur, onyo omii miवि? (What surprised or interested you)	
718	Do you belong to any community or school group(s)?	ee (YES)	itye i gurup i kin paco onyo i cukਜੈ? (Do you belong to any community group?) ਹੈ	
		pe (NO)	Th http	724
719	Which community group do you belong to? READ DOWN LIST	ee (YES)	i tye i gurup mene? kwan i yore-iyore: (Which community group do you Belong to? READ DOWN LIST)	
		pe (NO)	bmj.c	
	a)Religious organization		a) gurup me dini (Religious organization)	
	b) Village savings and loan group		b) Gurup me bol icap (Village savings and loan group) 7	
	c) Farmer's association		c) Gurup opur (Farmer's association)	
	d) School/youth club		d) Kilab me cukul/kilab pa bulu less: (School/youth club)	
	e) MUKENE MAPAT (Other)		e) en okene (Other)	

		BMJ Open	136/br	
			f) COO piny (SPECIFY)	
	f) COO PINY (SPECIFY)		f) COO piny (SPECIFY)	
720	How often does your group meet?	cabit acel icel (ONCE A WEEK)	gurup wu rwate tyen adii? How often does your group meet?	
		dwete aryo icel (EVERY TWO WEEKS)	22 March	
		dwe acel icel (ONCE A MONTH)	ch 2022	
		icel-icel (OCCASIONALLY)	• •	
		en okene (Other)	en okene (Other)	
		COO PINY (SPECIFY)	COO PINY (SPECIFY)	
721	Was your group given a bag with cards and games that looks like this? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	omio gurup wu ikapo ame kad kede tuku apapt tye iye ame cal kiti? (NYUTCAN IKAPO AME TYE KEDE JAMI TUKU) (Was your group given a bag with cards and games that looks like this?)	
		pe (NO)	j.com/ on	724
722	Did you participate in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	ee (YES)	ibedo atye itic'oro keken ame otio kede kad me tuku? ,7 (Did you participate in an activity) sing these cards and games?)	
		pe (NO)	/ guest	724
			d. Protected by copyright.	•

			36/bmjopen-20	
723	How often have you participated in an activity using these cards and games? SHOW PICTURE OF TOOLKIT BAG	icel (ONCE)	tyen adii ame ibedo iti ame otio kede kad karacel kede tuku? (KWAN NYIG KOK AME OCOO PINY) (How often have you participated an activity using these cards and games?)	
	READ OPTIONS OUT LOUD.	icel-icel (OCCASSIONALLY)	March 202	
		kare-ikare (OFTEN)	22.	
724	Have you ever participated in an activity that used this material? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	ee (YES)	anaka ibedo i tic ame otio kede sini? (Nyut kad pi dul tic apapat. Wek agam apeny yer en ame en otio kede, eka ite gweto apeny yer en ame oyero kede PEE pi tic ame peroyero) (Which activities or games have you used/participated in ? LAY PICTURE CARDS OF EACH TOOLKIT COMPONENT OUT. HAVE RESPONDENT SELECT EACH ONE THAT THEY HAVE USED. MARK YES FOR ALL COMPONENTS THE RESPONDENT SELECTED AND NO FOR THOSE NOT SELECTED.	
		pe (NO)	n on	
	a) Board Game		April	
	b) Activity Card		17,	
	c) Boys flipbook		2024	
	d) Girls flipbook		n6 /q	
	e) Radio Discussion Guide		guest. Protected by copyright	726 if NO to all

		BMJ Open	36/b	
			mjop	
			136/bmjopen-20	
725	How often did you use each of the	kare ducu (EVERY SESSION)	pi jami ame ikwanyo/iyero ni, itioked gi pi	
	materials you selected? REFER TO		kare arom kwene? (TII KEDE KAD AME	
	CARDS SELECTED IN 725 & MARK		OYERO I 725 ITE GWETO PI EN ANŒ	
	RESPONSES FOR ONLY THOSE		ONWONGO OYERO KEKEN)How &ften did	
	PREVIOUSLY SELECTED		you use each of the materials youselected?	
			REFER TO CARDS SELECTED IN 72 & MARK	
			RESPONSES FOR ONLY THOSE PREVIOUSLY	
			SELECTED 8	
		I kare okene (EVERY OTHER	22.	
		SESSION)	Dow	
		I cel-icel (A FEW SESSIONS)	nloa	
		icel (ONCE)	ad ed.	
		icer (ONCL)	<u> </u>	
	a) Board Game	(0)	om ht	
	b) Activity Card		tp://bi	
	c) Boys flipbook	(0)	mjope	
	d) Girls flipbook		en.br	
	e) Radio Discussion Guide		J. com	
726	In the last 3 months, have you	ee (YES)	idwete adek okato ni, i laro wun@lok magi i	
	discussed any of the following in		gurup wu?	
	these groups		(In the last 3 months, have you discussed any	
			of the following in these groups: $\int_{-\infty}^{\infty}$	
		pe (NO)	2024	
		pe poyo (DON'T REMEMBER)	by gu	
	a) How ideal men and women		a) kit ame coo kede mon myero sed kede?	
	should behave		(How ideal men and women should behave)	
	b) Physical, emotional or social		b) Aloka loka ame bedo ikom, I cany, onyo	
	changes during adolescence		ikite me kwo ikare me tego? (Phosical,	
			by	
			capyright.	

			emotional or social changes during adolescence)
	c) Romantic feelings or relationships		c) cuny me mit kede winyere me mit ikin icoo kede dako? (Romantic feelings or relationships)
	d) Young people using family planning methods to prevent pregnancy		d) onywal atino myero tii kede yore me lagoro nywal me gengo yac people using family planning methods to prevent pregnancy)
	e) Men and women making decisions together in the home	500	e) coo kede mon moko tam gi karacel I ot (Men and women making decisions together in the home)
	f) Teasing, bullying or violence between boys and girls or men and women	TO, TO,	f) yelo anyira, bura onyoo lweny kin owobe kede anyira, onyo ikin coo kede mon (Teasing, bullying or violence between boys and girls or men and women)
	g) Role of boys and girls in the home		g) Tic pa owobe kede anyira I paeo (Role of boys and girls in the home)
	h) Young people delaying marriage until they are 18		h) awobe kede anyira galo nyongere naka ka oromo gini mwaka 18 (Young geople delaying marriage until they are 18)
	i) Young parents using family planning methods to delay the birth of their next child)		i) onywal atino myero tii kede yoze me lagoro nywal me rii kede nywalo-atin okene (Young parents using family planting methods to delay the birth of thein next child)
	j) Girls staying in school		j) otino anyira mede kede kwan Lutino anyira mede ki kwan (Girls staying in school)
727	Was there anything that especially surprised or interested you from those activities/ discusions?	ee (YES)	onyo ginoro oweki kede wur , onyo miti iyonge tic wu no? (Was there anything that especially surprised

		BMJ Open	1136/bmjo	
			pen-202	
			or interested you from those acticvities/discusions)	
		pe (NO)	22 22	729
728	What surprised or interested you?	COO PINY (SPECIFY)	ngo ame oweki kede wur onyo oweki kede miti?	
729	Did you discuss these topics with other people after playing these activities?	ee (YES)	ileyo tam man kede jo okene oyonge tuku tic man? (Did you discuss these tepics with other people after playing these activities?)	
		pe (NO)	d from	731
730	With whom did you discuss these topics? MARK ALL RESPONSE OPTIONS	toto (MOTHER)	ileo tam magi kede nga? (With whom did you discuss these topics?)	
	MENTIONED	papo (FATHER)	m.com	
		omege kede amege (SIBLINGS)	on April	
		oor (IN-LAWS)	ril 17	
		jo me paco okene (OTHER FAMILY MEMBERS)	2024	
		olwagi (PEER)	by gu	
		jo me gurp (GROUP MEMBERS)	guest. Pro	
		en okene (Other)	otecte	
		COO PINY (SPECIFY)	Protected by co	
	•	•	co	·

a) How ideal should behave changes duri	men and women	ee (YES) pe (NO) Wie pe poyo (DON'T REMEMBER)	i dwete adek ame okato ni,atela moro me dini nho me kin paco oloko ikediškom kop magi? (In the last 3 months, have any religious/community leaders (identify by name) ever talked about these tomics?)
a) How ideal should behave changes duri	nmunity leaders name) ever talked about	pe (NO) Wie pe poyo (DON'T	dini nho me kin paco oloko ikedi kom kop magi? (In the last 3 months, have any Sereligious/community leaders (identify by name) ever talked about these tomics?)
a) How ideal should behave changes duri	men and women	Wie pe poyo (DON'T	magi? (In the last 3 months, have any Second religious/community leaders (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about these to the second religious (identify by name) ever talked about the second religious (identify by name) ever talked about the second religious (identify by name) ever talked about the second religious (identify by name) ever talked about the second religious (identify by name) ever talked about the second religious (identify by name) ever talked religious (identify by name) ever talked religious (identify by name) ever talked religious (identification religious (identif
a) How ideal should behave b) Physical, e changes duri	men and women	Wie pe poyo (DON'T	(In the last 3 months, have any S religious/community leaders (identify by name) ever talked about these topics?)
a) How ideal should behave b) Physical, e changes duri	men and women	Wie pe poyo (DON'T	religious/community leaders (ide if if y by name) ever talked about these to its control is to its control in the interest of the interest of its control in the interest of its control i
b) Physical, e changes duri		Wie pe poyo (DON'T	name) ever talked about these topics?)
b) Physical, e changes duri		Wie pe poyo (DON'T	rch 2022. Da
b) Physical, e changes duri		Wie pe poyo (DON'T	2022. Da
b) Physical, e changes duri			22. Da
b) Physical, e changes duri		REMEMBER)	Q
b) Physical, e changes duri			
b) Physical, e changes duri c) Romantic j d) The way n	<i>,</i> E		a)kit ame coo kede mon myero bed kede (How ideal men and women should behave)
changes duri		O_{A}	(Now Ideal men and women should behave)
changes duri	emotional or social	60	b) Aloka loka ame bedo ikom, icuny, onyo
d) The way n	ng adolescence)		ikit me kwo ikare me tego (Physical,
d) The way n			emotional or social changes during
d) The way n			adolescence)
	feelings or relationships		c) cuny me mit onyo wat ikin cockede mon
'			(Romantic feelings or relationships)
'			ice
nowor	nen and women use		d)kit ame cooo kede mon tiyo kede teko
power			kede twero
			(The way men and women use positiver)
	ullying or violence		e) tukku, bura onyo gero ikin awobe kede
-	s and girls or men and		anyira onyo ikin coo kede mon. 20
women			(Teasing, bullying or violence between boys and girls or men and women)
			and giris or men and women)
732 In the last 3 i	months, have you	ee (YES)	ikin dwete adek ame okato inge@ibedo i
	in any activity to	(123)	ticoro keken me yubu kin paco wa?
· ·	r community?		(In the last 3 months, have you participated
	•		in any activity to improve your community?

		BMJ Open	36/br	
			36/bmjopen-2021-05	
		pe (NO)	21-05	734
733	What activity did you participate in to improve your community?	COO PINY (SPECIFY)	tic ango ame ibedo itiyo me yubikin paco wu? (What activity did you participate in to improve your community?)	
734	Have you heard of a group in this community called CAG?	EE (YES)	lwinyu nying gurup moro ame oligongo ni CAG ikin paco kan? (Have you heard of a group in this community called CAG?) □	
		PE (NO)	wnlo	737
735	Have you ever participated in an activity organized by this group?	EE (YES)	ibedo iyuba me ticoro ame gurukman en oyiko? (Have you ever participated in anactivity organized by this group?)	
		PE (NO)	://bm	737
736	What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	COMMUNITY SENSITIZATION	tic ango ame ibedo iye? COO AGAM DUCU What activity did you participate in? MARK ALL RESPONSE OPTIONS MENTIONED.	
		FIRE PLACE CHAT(WANG-00)	No my	
		HOME VISIT	on A	
		SUPPORT TO A YOUTH GROUP	April 17	
		EN OKENE (Other)	7, 2024	
		COO PINY (SPECIFY)	£4 by	
737	In the last 3 months, have you talked with a village health team member or health provider?	EE (Yes)	I dwete adek okato angec, iloko kede dakatal me kin paco (VHT) onyo aticoro me yot kom? (In the last 3 months, have you talked with a village health team member or other health care provider?)	
		PE (No)	y copyright	748

		BMJ Open	136/bmjopen-2021-053203
			en-202
738	With whom did you talk?	naci (NURSE)	21-053
		acola (MIDWIFE)	8203
		atic me dakatal (MEDICAL OFFICER)	on 22 l
		dakatal me kin paco (VHT)	March 2022
		en okene (OTHER)	2022
		kob mene (SPECIFY)	. Dow
739	Where did you go to talk with the health provider? READ ALL THE POSSIBLE OPTIONS AND CHECK ALL THAT APPLY	OT YAT KILINIK (Health clinic)	iwoto kwene me lok kede atic me dakatal? POSSIBLE OPTIONS AND CHECK ABL THAT APPLY
		paco atic me yotkom (H/provider's home)	http://l
		paco na (My home)	əmjopen.br
		I cukul (school)	en.br
		ka gure a bulu (YOUTH CENTER)	nj.com
		MARIE STOPES	on A
		pe ngeo/ pe poyo (DK/Don't remember)	on April 17
		pe ogamo (No response)	, 2024
		en okene (Other)	by guest.
		COO PINY (specify)	Jest. F
			Protected
	•		. Hed

		BMJ Open	136/bm	I
			136/bmjopen-20:	
740	What did you talk about? (MARK ALL OPTIONS MENTIONED)	ee (YES)	kop ango ame ikobo wun kede atic me yotkom? What did you talk to the health provider about? (MARK ALL OPTIONS MENTIONED)	
	(a) Sexually transmitted infection	pe (NO)	(a) twoe ame kobo ibutu (Sexually transmitted infection)	
	(b) Family planning		(b) lagoro nywal (kalo kin nywal) (Family planning)	
	(c) Immunizations			
	(d) injury	6	(c) agwera (Immunizations) (d) Awano (injury) (e) Lit kom (illness)	
	(e) illness	70	(e) Lit kom (illness)	
	ALCOHOL	0	kongo (ALCOHOL)	
	SAFETY	1/6	bedo aber (SAFETY)	
	EARLY MARRIAGE	6/	nyomere con (EARLY MARRIAGE)	
	GENDER-BASED VIOLENCE		gero acalo adwogi me bedo dako onyo icoo GENDER-BASED VIOLENCE	
	GENDER ROLES		tic acoo kede mon apapat (GENDER ROLES)	-
	PUBERTY		dongngo doko ngat otego (PUBERTY)	
	MUKENE MAPAT (Other)		en okene (Other)	
	COO PINY (SPECIFY)		COO PINY (SPECIFY)	
741	Did you get the information/help you wanted?	EE (YES)	ibin inwongngo ngec onyo kony ame onwongngo itye imoto? Did you get the information/help you wanted?	
		PE (NO)	Information/help you wanted?	
		Idyere-dyere (PARTIARLY	fed by	

742	Did the previdence for you fam ather	FF (VFC)	nest and invote hate ship is well bet nest	
742	Did the provider refer you for other	EE (YES)	ngat ame iwoto bote obin icwali bot ngat	
	services?		okene ame twero miyi kony ame	
			onwongngo itye imito? Did the pavider	
			refer you for other services?	
		PE (NO)	7	744
743	What kind of services did the	COO PINY (SPECIFY)	kodi kony ango ame dano no ocuzali me wot	
	provider refer you for?		nwongngo? What kind of service हुँ did the	
			provider refer you for?	
	Administer to only those who talked	l to the VHT in Qn 638	i*	
	04		Dow	
	Now, we are going to talk about you	ur visit to the VHT in the last t	hree months, Please tell me if you agree or	
	disagree with these statements.		, jade	
744	During my last visit with the VHT,	yee (AGREE)	atic me yotkom oloko keda kedeworo	
	she or he treated me with respect		(During my last visit with the VHT she or he	
	· ·		treated me with respect)	
		pe yee (DISAGREE)	, , , , , , , , , , , , , , , , , , , ,	
745	(During my last visit with the VHT,	YEE (AGREE)	awinyo bala lok ame alokko kede atic me	
743	she or he treated me with respect)	TEE (AGREE)	yotkom obedo imung ikin wan okede.	
	site of the treated the with respect,		(During my last visit with the VHT she or he	
		•	treated me with respect)	
		PE YEE (DISAGREE)	3	
746	Budden and Lord State Lifeting	, ,	Ultra and California	
746	During my last visit, I felt my	YEE (AGREE)	Ilimo na me agiki, awinyo bala lok ame	
	conversation with the VHT was		alokko kede atic me yotkom obedo imung	
	private		ikin wan okede.During my last visit, I felt my	
			conversation with the VHT was private)	
		PE YEE (DISAGREE)	4 0	
747	I am confident that the VHT will not	YEE (AGREE)	atye kede tek cuny ni dakatal me kin paco	
	tell others about my conversation,		pe akobi jo okene kop ame wan စ္ကleo kede,	
	during my last		Ilimo na me agiki (I am confident that the	
			VHT will not tell others about my ਟ੍ਰੋ	
			conversation, during my last) ဋ	
		PEE YEE (DISAGREE)	conversation, during my last) දී වී	
			<u> </u>	

		BMJ Open	itio kede cim? (Do you use a mobile phone?)	
			en-2021	
748	Do you use a mobile phone?	EE (YES)	itio kede cim? (Do you use a mobile phone?)	
		PEE (NO)	o n	END
749	What type of phone do you use?	(BASIC PHONE)	ITIO KEDE KODI CIM ANGO? (What type of phone do you use?)	
		(FEATURE PHONE)	_	
		(SMART PHONE)	2022.	
	(),	MUKENE MAPAT (Other)	Ow	
		COO PINY (SPECIFY)	nloa	
750	Who owns the mobile phone?	mega (MYSELF)	cimo obedo meg'anga? (Who owns the mobile phone?)	
		toto (MOTHER)	, , ,	
		papo (FATHER)	http://l	
		omego na kede amege na (SIBLINGS)	^(bm) ope	
		oor (IN-LAWS)	n.bm	
		jo okene me paco (OTHER FAMILY MEMBERS)	,com/ on	
		olwagi (PEER)	O _A Apri	
		jo me gurup (GROUP MEMBERS)	ril 17, 2024	
		en okene (Other)		
		kob mene (SPECIFY)	n6 Áq	
751	Do you have your own SIM card?	EE (YES)	itye kede kad me cim?	
		PE (NO)	(Do you have your own SIM card?)	
<u> </u>			by cop	

752	What do you use your mobile phone for? PROBE: What else until respondent indicates no further uses. MARK ALL RESPONSES MENTIONED.	Me goyo cim (MAKE PHONE CALLS)	imaro tic kede cimi me timo ngo? (What do you use your mobile phone for?)	
		me gamo ka jo ogoo (RECEIVE PHONE CALLS)	March	
	70/	Cwalo ngec bot owote na onyo jo ipacu (TEXT MESSAGE WITH FRIENDS, PARTNERS, OR FAMILY)	2022. Downloaded from http://bmjopen.bmj.com	
		Yenyo ngec iyii intanet (ACCESS THE INTERNET)	aded fi	
		Mako cal me video (TAKE PHOTO OR VIDEOS)	om http	
		Me gwoko cawa onyo me keto cawa me poyo wic. (KEEP TIME OR USE ALARMS OR REMINDERS)	o://bmjopen.b	
		Me bedo I facebuk (ACCESS FACEBOOK)	mj.com	
		Me tuku (PLAY GAMES)	on Ar	
		me kwanynyo iyii intanet wer kede video (DOWNLOAD SONGS, VIDEOS, OR RINGTONES)	oril 17, 2024 b	
		Me cwalo ki kwanyo cente I mobile money (SEND AND RECEIVE MONEY)	y guest. P	
			on April 17, 2024 by guest. Protected by copyright.	

		BMJ Open	1.136/bm	
			open-202	
		Me nwongngo ngec ame kwako kwena me galo wang bala kwena me odilo kede me dini (RECEIVE TEXT MESSAGES FOR ENTERTAINMENT LIKE SPORTS SCORES OR BIBLE VERSES)	136/bmJopen-2021-053203 on 22 March 2022.	
	- Co.	Yenyo Kabedo apapat nyo tic kede map (FIND LOCATIONS OR USE MAPS)		
		Me kwanno balo me yimail (ACCESS EMAIL)	Downloaded from	
		Tic kede twita (USE TWITTER) Pe Ngeo (DON'T KNOW)	·	
		Pe I kan (NONE OF THESE)	nupomJo	
753	How often do you send SMSes?	Tyen apol nino acel (SEVERAL TIMES A DAY)	Imaro cwalo messej I cim?(How of send SMSes?)	ten do you
		nine anonok I cabit acel (A FEW TIMES A WEEK)		
		nine anonok I dwee acel (A FEW TIMES A MONTH)		
		Pe romo tyen acel I dwee acel (LESS THAN ONCE A MONTH)		
		pe atwal (NEVER)	, 2024 by guest.	
		Pe ngeo(DON'T KNOW)	31. Prote	

754	How often do you receive SMSes?	tyen apol nino acel (SEVERAL TIMES A DAY)	imaro nwongngo messej I cimi tyen adii? (How often do you receive SMSes)
			203 on 2
		nine anonok I cabit acel (A FEW TIMES A WEEK)	22 March
		nine anonok I dwee acel (A FEW TIMES A MONTH)	sh 2022
	0/-	Pe romo tyen acel I dwee acel(LESS THAN ONCE A MONTH)	. Downloaded
		pe atwal(NEVER)	ided from
		Pe ngeo (DON'T KNOW)	3 3
755	Do you currently use more than one	EE (YES)	itiyo kede cim akato acel? (Do you currently
	mobile phone?	61.	use more than one mobile phone
		PE (NO)	n.bm
756	Do you currently use more than one SIM card?	EE (YES)	itye itic kede line me cim akato a@l? (Do you currently use more than one SIM card?)
		PE (NO)	April 1
757	If you could receive SMSes with health information and tips, would you read them?	yee ducu (DEFINITELY YES)	ka onwongngo itwero nwongngo kwena ame kato icim, itwero kwanno?
		yee idyere-dyere (PROBABLY YES)	Jest. P
		onyo pe(PROBABLY NO)	rotected
		pe yee (DEFINITELY NO)	led by
		<u> </u>	<u> </u>

Pe ngeo (DON'T KNOW)	2021-05:	
Peny man dong ogik kan. Apwoyi tutwal me miyo kare me lok ked v		+
kede ?. That is the end of our interview.	3 0	
Thank you very much for your time and your willingness to share this	s information with us. Please, let meknow if you	
would like to ask me any questions.	Ma	
	rch :	
	March 2022. Downloaded from http://bmjopen.bmj.com/ on April 17, 2024 by guest. Protected by copyright.	
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Reporting checklist for cross sectional study.

Based on the STROBE cross sectional guidelines.

Instructions to authors

Complete this checklist by entering the page numbers from your manuscript where readers will find each of the items listed below.

Your article may not currently address all the items on the checklist. Please modify your text to include the missing information. If you are certain that an item does not apply, please write "n/a" and provide a short explanation.

Upload your completed checklist as an extra file when you submit to a journal.

In your methods section, say that you used the STROBE cross sectional reporting guidelines, and cite them as:

von Elm E, Altman DG, Egger M, Pocock SJ, Gotzsche PC, Vandenbroucke JP. The Strengthening the Reporting of Observational Studies in Epidemiology (STROBE) Statement: guidelines for reporting observational studies.

		Reporting Item	Page Number
Title and abstract			
Title	<u>#1a</u>	Indicate the study's design with a commonly used term in the title or the abstract	2
Abstract	<u>#1b</u>	Provide in the abstract an informative and balanced summary of what was done and what was found	2
Introduction			
Background / rationale	<u>#2</u>	Explain the scientific background and rationale for the investigation being reported	4
Objectives	<u>#3</u>	State specific objectives, including any prespecified hypotheses	6
Methods			
Study design	<u>#4</u>	Present key elements of study design early in the paper	6

Setting	<u>#5</u>	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	6
Eligibility criteria	<u>#6a</u>	Give the eligibility criteria, and the sources and methods of selection of participants.	6
	<u>#7</u>	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	7
Data sources / measurement	<u>#8</u>	For each variable of interest give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group. Give information separately for for exposed and unexposed groups if applicable.	6
Bias	<u>#9</u>	Describe any efforts to address potential sources of bias	8
Study size	<u>#10</u>	Explain how the study size was arrived at	6
Quantitative variables	<u>#11</u>	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen, and why	7
Statistical methods	<u>#12a</u>	Describe all statistical methods, including those used to control for confounding	8
Statistical methods	#12b	Describe any methods used to examine subgroups and interactions	8
Statistical methods	<u>#12c</u>	Explain how missing data were addressed	n/a - complete case analysis conducted
Statistical methods	#12d	If applicable, describe analytical methods taking account of sampling strategy	9
Statistical methods	<u>#12e</u>	Describe any sensitivity analyses	n/a - this was not conducted
Results			

Participants	<u>#13a</u>	Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed. Give information separately for for exposed and unexposed groups if applicable.	Table 1
Participants	<u>#13b</u>	Give reasons for non-participation at each stage	6
Participants	<u>#13c</u>	Consider use of a flow diagram	n/a - not necessary
Descriptive data	<u>#14a</u>	Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders. Give information separately for exposed and unexposed groups if applicable.	Table 3
Descriptive data	#14b	Indicate number of participants with missing data for each variable of interest	n/a - complete case analysis conducted
Outcome data	<u>#15</u>	Report numbers of outcome events or summary measures. Give information separately for exposed and unexposed groups if applicable.	Table 3
Main results	<u>#16a</u>	Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	Tables 5-7
Main results	#16b	Report category boundaries when continuous variables were categorized	7
Main results	<u>#16c</u>	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	n/a
Other analyses	<u>#17</u>	Report other analyses done—e.g., analyses of subgroups and interactions, and sensitivity analyses	n/a
Discussion			
Key results	<u>#18</u>	Summarise key results with reference to study objectives	11
	_		

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Limitations	<u>#19</u>	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias.	11
Interpretation	<u>#20</u>	Give a cautious overall interpretation considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence.	12
Generalisability	<u>#21</u>	Discuss the generalisability (external validity) of the study results	12
Other Information			
Funding	<u>#22</u>	Give the source of funding and the role of the funders for the present study and, if applicable, for the original	13

study on which the present article is based

Notes:

- 12c: n/a complete case analysis conducted
- 12e: n/a this was not conducted
- 13c: n/a not necessary
- 14b: n/a complete case analysis conducted The STROBE checklist is distributed under the
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 May 2021 using https://www.goodreports.org/, a tool made by the EQUATOR Network in
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