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# Scaling up male circumcision service provision: results from a randomised evaluation in Malawi

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## **Executive summary**

As governments and non-governmental organisations in Sub-Saharan Africa attempt to reduce the spread of the human immunodeficiency virus (HIV), voluntary medical male circumcision is being suggested as one important strategy. However, despite the rigorous medical evidence suggesting medical male circumcision is important for HIV prevention, no studies have yet examined how information and monetary costs affect the demand for circumcision from uncircumcised men. This information can help to inform policymakers, health workers and governments as to which policies might most effectively increase circumcision rates.

This study is among the first population-based surveys to collect baseline data about circumcision practices, beliefs and attitudes among men. While previous studies on the effectiveness of circumcision have included randomised controlled trials, previous studies on the demand for circumcision have typically been cross-sectional, comparing those who report that they are willing to become circumcised with those who report that they are not. This approach crucially omits variables that may bias causal inferences, making it impossible to accurately predict the effects of policies aimed at increasing circumcision. These studies also rely on reported intentions rather than actions.

Only by conducting and assessing a rigorous randomised policy intervention can investigators ensure proper comparison groups with which to make accurate predictions of what determines the demand for circumcision. In this study, we randomise prices of the surgery and the information that medical male circumcision is associated with lower HIV risk. Additionally, our qualitative interviews give additional insight into the decision-making process for getting circumcised. This evaluation aims to fill the gap in knowledge about the demand for voluntary medical male circumcision.

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# Abbreviations and acronyms

AIDS	Acquired Immunodeficiency Syndrome
СНАМ	Christian Health Association of Malawi
HIV	Human Immunodeficiency Virus
MDHS	Malawi Demographic Health Survey
MWK	Malawi kwacha
VMMC	Voluntary Medical Male Circumcision
WHO	World Health Organization

## 1. Introduction

Recent randomised controlled trials have found that medical male circumcision significantly and substantially lowers the likelihood of contracting HIV for men (Auvert *et al.* 2005; Bailey *et al.* 2007; Gray *et al.* 2007; National Institutes of Health 2006). Governments across Africa, as well as multilateral organisations such as the World Health Organization (WHO) and the United Nations, have begun discussing strategies for scaling up medical male circumcision efforts.

While these agencies view medical male circumcision as an important HIV prevention strategy, there are high costs associated with implementation, raising the question of what proportion of the costs could be borne by individuals wanting to protect themselves or their sexual partners, and what proportion of the costs should be subsidised by the government. No study has yet measured how the demand for medical male circumcision responds to prices, informing governments and organisations as to the optimal price to charge or the optimal amount to subsidise. Moreover, very little is known about how information detailing the link between medical male circumcision and reduced risk of HIV affects this demand.

Success in rolling out medical male circumcision in high-priority countries depends on the demand for voluntary medical male circumcision (VMMC), but the decision of how or where to roll out these programmes depends crucially on the cost-effectiveness of this strategy for HIV prevention. Simulations from epidemiological models have suggested that VMMC is cost-effective and that scaling up to 80 per cent male circumcision coverage could avert approximately 22 per cent of forecast HIV infections through 2025, and result in a net saving of US\$16.51 billion (Njeuhmeli *et al.* 2011).<sup>1</sup>

However, these calculations depend crucially on the ability to reach scale (80 per cent coverage is more than 20 million men), and depends on the types of men who choose to become circumcised. In particular, the benefit of male circumcision is maximised when men who are most at risk of HIV infection are first adopters. If men who are least at risk of infection are more likely to take up circumcision, cost-effectiveness estimates will have overestimated the benefits of scale-up.

Malawi provided a good opportunity to explore these questions. Not until October 2011 (after the baseline survey in this evaluation) did the government adopt VMMC into its national strategic plan for HIV prevention. Thus, the number of providers of VMMC was limited, as was the level of media coverage and information about HIV and male circumcision. This report presents findings of an impact evaluation conducted in the catchment area of a private provider of VMMC during 2010 and 2011.

## **1.1** Summary of evaluation approach and research questions

The main goals of this evaluation were to assess how information and price affects the demand for VMMC. The study introduced experimental components in which individuals were allocated vouchers of varying amounts for a discount on a medical circumcision and randomly allocated comprehensive information about HIV risk and male circumcision;

<sup>&</sup>lt;sup>1</sup> See also UNAIDS/WHO/SACEMA 2009; Hankins *et al.* 2011; Nagelkerke *et al.* 2007; White *et al.* 2008; Williams *et al.* 2006.

this allowed us to study the causal effects of these interventions on take-up of VMMC. Our evaluation enables evidence-based recommendations with respect to stimulating demand and targeting the rollout of VMMC. Additionally, the evaluation provides updated cost-benefit estimates of scaling up this programme.

The following are several key research questions for this project:

- How does comprehensive information about VMMC affect the demand?
- How does price affect demand for VMMC?
- What types of individuals are more likely to adopt VMMC?

We also implemented qualitative research methods to better understand the decisionmaking process for choosing surgery. These results complement the findings from the quantitative component of the study.

## 2. Background and context

## 2.1 Male circumcision and HIV prevention

It is estimated that more than 40 million people are currently infected with HIV, the majority of whom live in Sub-Saharan Africa. Despite progress with HIV prevention strategies in a small number of countries, HIV and AIDS (acquired immunodeficiency syndrome) continues to spread (USAID 2005). However, recent randomised controlled trials in South Africa, Kenya and Uganda have provided strong evidence that male circumcision may provide an important way of reducing the spread of HIV infection.

The South African trial was carried out among HIV-negative men aged 18–24 years. Approximately half were randomly assigned to be offered circumcision surgery, while the remainder were left uncircumcised (Auvert *et al.* 2005). After 12 months, researchers found a 61 per cent reduction in risk in men who had received circumcision, when adjusted for behaviour factors. The trial in Kenya resulted in a 53 per cent reduction of HIV infection in circumcised men relative to uncircumcised men, while the trial in Uganda resulted in a 48 per cent reduction in HIV infection (National Institute of Health 2006). All participants in the three studies were extensively counselled in HIV prevention and risk-reduction techniques.

The findings were so dramatic that each study was halted earlier than scheduled on the grounds that it would be unethical to proceed without offering the same procedure to the un-circumcised control group. Anthony Fauci, director of the US National Institute of Allergy and Infectious Diseases, reported,

These randomized studies confirm and show definitively that medically performed circumcision can significantly lower the risk of adult males to contracting [*sic*] HIV. While the initial benefit will be fewer HIV infections in men, ultimately adult male circumcision could lead to fewer infections in women in those areas of the world where HIV is spread primarily through heterosexual intercourse' (NIH 2006).

It has since been noted by experts that these findings also suggest that circumcision can be safely done in Africa. Fauci reported that circumcision is safe and effective 'when performed by medically trained professionals and when patients receive appropriate care during the healing period following surgery' (NIH 2006).

## 2.2 Cultural practices and prevalence

Circumcision is not only one of the oldest surgical procedures in the world, with records of the practice dating back to pre-Egyptian times, it is also one of the most commonly practised for both religious and non-religious reasons (Marck 1997; Doyle 2005). Studies have shown that, overall, 62 per cent of adult males in Africa are circumcised (Drain *et al.* 2004). There is historical evidence of circumcision as a general practice in all areas of Africa, but especially among the Bantu language groups, comprising the largest linguistic group in Africa. Most often among Bantu speakers, male circumcision is associated with adolescent initiation ceremonies and is seen as a rite of passage from childhood to manhood. Among certain groups, men must become circumcised before they can marry or participate in making community decisions (Marck 1997).

Ethnicity	Mean	Obs.
Chewa	0.09	973
Tumbuka	0.02	326
Lomwe	0.33	612
Tonga	0.06	70
Yao	0.86	462
Sena	0.07	114
Nkonde	0.10	41
Ngoni	0.04	327
Other	0.21	252
Total	0.24	3,177
Source: MDHS 2004		

Table 1 Percentage of me	n circumcised in Malawi
--------------------------	-------------------------

In Malawi, as in other African countries, circumcision is highly correlated with religion and ethnicity. According to the Malawi Demographic Health Survey (MDHS) in 2004, an average of 24 per cent of men reported being circumcised (Table 1). This is highly correlated with ethnic group, with the majority (86 per cent) of the Yao ethnic group being circumcised, as well as a significant percentage of Lomwes (33 per cent). Circumcision rates are also highly correlated with religion: approximately 93 per cent of Yaos in Malawi are Muslim, as opposed to less than 2 per cent among other ethnic groups (MDHS 2004).

In Malawi, the Yao and the Lomwe typically practise initiation ceremonies for adolescent boys that include circumcision, as well as rituals involving receiving instruction for future life as a man (Stannus and Davey 1913). Other groups in Malawi practise initiation ceremonies, such as the *Gule wamkulu* or *virombo* among the Chewa, although this does

not involve circumcision. In a recent study in Malawi, 21 per cent of boys were circumcised between the ages of 15 and 19 years (Munthali and Zulu 2007). It should be noted that approximately 80 per cent of youth in Malawi have had sex before the age of 18 years, suggesting that, in terms of using circumcision as an HIV-prevention strategy, earlier ages of circumcision might be more optimal (Biddlecom *et al.* 2007).

## 2.3 Access to medical male circumcision in Malawi

**Malawi's national strategy to scale** up medical male circumcision – not adopted until 2011, well after this evaluation – has outlined a two-pronged approach: short-term intensive campaigns in target areas, and building circumcision delivery capacity within existing health providers. These providers include Ministry of Health facilities, Christian Health Association of Malawi (CHAM), and non-governmental organisations and private-sector providers (Lawson *et al.* 2008). CHAM and non-governmental facilities typically charge a small fee for their services, which varies by facility. Government facilities officially offer free medical male circumcisions, if the trained personnel are available.

However, in most facilities, VMMC is not available (at least at the time of this evaluation). The Malawi Circumcision Situational Analysis was commissioned by the National AIDS Commission and conducted in 2010 to assess the potential capacity of service providers. That study found that less than 30 per cent of the mission and community hospitals had the capacity to offer VMMC (Bengo *et al.* 2010). Additionally, 'only 4 per cent of the country's medical staff have been trained to carry out the surgical procedure', according to top health officials (IRIN Plus News 2012).

## 2.4 Measuring the demand for medical male circumcision

Several studies have examined the acceptability of circumcision. One study in South Africa found that 70 per cent of uncircumcised men reported that they would want to be circumcised if it were proven to be protective against sexually transmitted diseases (Lagarde *et al.* 2003). Other similar studies in South Africa, Kenya, Malawi and Zimbabwe found positive attitudes towards circumcision (Nnko *et al.* 2001; Bailey *et al.* 2002; Halperin *et al.* 2002; Rain-Taljaard *et al.* 2003; Ngalande *et al.* 2006). The typical approach in these studies is to ask uncircumcised men if they would be willing to get circumcised. According to acceptability studies across 13 Sub-Saharan African countries, the median willingness to get circumcised was 65 per cent (Westercamp and Bailey 2007). However, given that these are hypothetical questions and answers, it is unclear how these results translate into actual circumcisions (Westercamp and Bailey 2007; Muula 2007).

Between 2008 and 2010, 3,119 medical male circumcisions were reported to have been conducted in facilities across Malawi. This number pales in comparison with the target of 80 per cent circumcision coverage, which would entail circumcising 2 million men in Malawi (WHO 2011). The number of medical male circumcisions conducted might be a proxy for demand, but may also reflect the limited access and lack of supply. Most statistics on VMMC that are reported only provide the number of men circumcised, and do not provide information on how many men chose not to get circumcised; we are missing the denominator that is needed to calculate the demand.

In general, most previous studies have either measured hypothetical willingness to get circumcised, or reported the number of men getting circumcised. Reporting just this

number neglects to measure the denominator of how many men opt not to be circumcised. Our study is the first in our knowledge to overcome both of these challenges.

Informational campaigns have also been found to have aggregate effects on increasing reported desire for circumcisions. For example, in Botswana, respondents were surveyed before and after an informational session that described the risks and benefits of medical male circumcision. In this study, the proportion reporting they would definitely or probably circumcise a child, if free of charge in a hospital setting, rose from 68 per cent before the informational session to 89 per cent after the session. This increase was similar to the change among the uncircumcised men when asked about going for their own circumcision (Kebaabetswe **et al**. 2003). While this suggests that information may have a large effect on willingness to become circumcised, the study collected only reported willingness, rather than information on actual circumcisions.

## 3. Intervention and evaluation

This section summarises the data collection and analysis methods for the evaluation. All research activities were approved by the University of Michigan Institutional Review Board and the Malawi College of Medicine Research and Ethics Committee. All respondents gave informed consent for their participation.

## 3.1 Data collection methods

#### Partner clinic

This study was implemented in partnership with a private clinic that provides family planning and basic health services in 31 branches across Malawi. The provider charges a small fee for cost recovery and began offering VMMC in 2010. The price of VMMC at that time was 950 kwacha (MWK) (approx. US\$6.75 before devaluation<sup>2</sup>).

## Sample

The study was conducted in a working-class neighbourhood in central Lilongwe, within the catchment area of our partner clinic. The sampling strategy consisted of first randomly selecting census enumeration areas within the catchment area. Each selected enumeration area was then divided by neighbourhood blocks, which were then also randomly drawn. For each selected block, a household census was conducted, listing any man between the ages of 18 and 35 years who had slept in the household the night before. Each man was contacted and a screener determined his circumcision status. Only uncircumcised men were eligible.

 $<sup>^2</sup>$  US\$1=MKW140.74 (2010). In May 2012, the kwacha was devalued by 34%, and US\$1=MKW 258.54.

#### Baseline survey

The baseline survey was collected in early 2010. A total of 1,634 uncircumcised men were interviewed during the baseline survey, where they were asked about their basic demographics, sexual behaviour and whether they were willing to be circumcised. The survey lasted approximately 45 minutes. At the end of the survey each man was read a sheet listing the services at the clinic, including prices, as well as the operating hours.

#### Randomisation

Immediately after the baseline survey, each respondent was given a voucher, valid for approximately three months, for a subsidised circumcision at the partner clinic branch. Vouchers were randomised at the individual level. The value of the vouchers ranged from a discount of MWK50 (US\$0.33) to a full subsidy (free circumcision). Figure 1 presents the distribution of vouchers allocated and actually given to respondents by enumerators.





Vouchers contained an ID that could be linked to each respondent, the name of the respondent, as well as an indication that a photo ID would be needed to redeem the voucher.

In addition to the randomisation of the voucher, half of the respondents were randomly assigned to receive comprehensive information about male circumcision and HIV. This information consisted of a discussion about the randomised trials in Kenya, Uganda and South Africa, the mechanisms through which medical circumcision reduces transmission of HIV, and how it is not fully protective against HIV. Those who did not receive the comprehensive information were simply told about the existence of the partner clinic's services and that medical male circumcision was available there.



Figure 2 Information randomisation

#### Follow-up survey

Follow-up surveys were conducted in 2011 among the men who were interviewed in the baseline. In all, 77 per cent of the men who were interviewed at baseline were reinterviewed one year later. There were no significant differences in the rate of survey completion across the price of medical male circumcision or across the information treatment. The follow-up survey included questions regarding interest in circumcision, experience of circumcision and sexual behaviour.

#### Clinic data

The partner clinic provided information on each voucher that was redeemed for an adult medical male circumcision up to six months after the start of the baseline survey. There were approximately 41 men whose vouchers were returned to the study team who also had follow-up surveys.

#### In-depth interviews

Just after the follow-up survey, individual in-depth interviews with a sub-sample of 64 **survey respondents provided additional information on men's decision**-making processes regarding circumcision. The original survey sample was stratified by treatment group and by whether the respondent had been circumcised or sought counselling from the partner clinic in the year following the baseline. A random sample of respondents was drawn from each of those groups. If one of the selected men was not available, an interview was conducted with the next randomly selected respondent from the same group. In total, 64 men were interviewed, 29 of whom had been circumcised since the baseline and 35 of whom had not chosen to get circumcised.

Male Malawian interviewers conducted the interviews, each of which lasted between 45 minutes and three **hours. The interviews took place in the respondents' homes, or** another location of their choosing. With the consent of the interview participants, the interviews were audio recorded.

Interviewers listened to the audio recording and transcribed the interview into English. A project manager read each transcript as it was completed and provided feedback for improving and targeting future interviews.

During each interview, respondents were asked to describe what they knew about circumcision, what they knew about the link between circumcision and HIV, how interested they were in circumcision, what factors motivated them to consider circumcision, what factors dissuaded them from undergoing the surgery, who they spoke with for advice about circumcision, what influenced their final decision and, if they were circumcised, details of the circumcision process.

## 3.2 Analysis methods

#### Quantitative analyses

Researchers analysed the baseline, clinic and follow-up survey data using the statistical software Stata, version 11. Non-randomised studies that measure how the demand for preventative health behaviour or the purchase of goods respond to prices or information suffer from potential omitted variable bias. In the case of medical male circumcision, an **individual's unobservable propensity to undergo surgery is related to his underlying risk** preferences, risk type, or demographic or socio-economic characteristics. This makes causal inference difficult. For example, if studying the relationship between information and the demand for male circumcision in a non-randomised evaluation, those who would have more information about medical male circumcision and HIV prevention would likely be those who already had some interest or had thought about the procedure. This would likely bias the estimates upwards, overstating the true causal impact of information. In this report, we illustrate results graphically, although regression results corresponding to the figures are robust to specifications with or without baseline controls or with linear or probit models.

## Qualitative analysis

Each of the 64 interview transcripts was read through once to identify common themes among respondents. Qualitative codes were developed based on the common themes. We then read through each interview and applied the codes using HyperRESEARCH, a qualitative coding software. This permitted us to group text by code and review the evidence of each substantive theme. In addition, while reading each interview for the second time, macro-level codes were assigned to each respondent, indicating their level of interest in circumcision. These codes were attributed based on a holistic assessment of the transcript. Finally, as a coding reliability check, a research assistant who was not part of the data collection effort also read through each transcript and assigned macrolevel codes to each transcript. The coding results were compared and discrepancies were resolved through a collaborative review and discussion of the transcripts.

## 4. Results

#### 4.1 Sample characteristics at baseline and follow-up

The sample is on average almost 27 years old and relatively well educated, completing 11 years of school. Individuals spend approximately US\$140 per month (median of US\$98). Just less than 17 per cent of the respondents are from a circumcising tribe, defined in the Malawi Demographic Health Survey as a tribe with over 20 per cent of men circumcised (MDHS 2010). The ethnic composition of respondents is not representative of the study area due to the fact that only uncircumcised men were eligible for the study. Approximately one third (34.6 per cent) of the men are Chewa, 24.7 per cent Ngoni, 13.5 per cent Lomwe, 12.8 per cent Tumbuka, and the remaining 14.4 per cent include Nkhonde, Nyanja, Tonga, Yao and others (not shown). Almost half of the men (47.6 per cent) reported that they would be willing to become circumcised. This is slightly lower than the median acceptability rate of 65 per cent from circumcision acceptability studies across Sub-Saharan Africa (Westercamp and Bailey 2007), but higher than the Malawi Situational Analysis from Lilongwe, where 37 per cent reported that they would be willing to get circumcised (Bengo *et al.* 2010).

Most men in the sample had had sex at least once (87.5 per cent, not shown), with approximately 1.6 sexual partners in the last year and on average 4.2 sexual acts in the past month. Just less than half of the men (46.2 per cent) reported abstaining from sex in the past month. Of those who reported having sex in the last month, 37.4 per cent said they used a condom the last time they had sex. As an indicator of recent safe sex, we created a variable that indicates if the respondent either abstained in the past month or used a condom the last time he had sex; according to this indicator, 65.9 per cent of respondents are classified as a 'safe type'.

Eight men self-reported to interviewers that they were HIV positive. In addition, 20.6 per cent of men reported that they believed there was a high likelihood that they were currently HIV positive. In total, those who reported being HIV positive or having a high likelihood of being currently HIV positive constitute 21 per cent of the sample. Men were also asked to report how likely they thought it was that they would become infected with HIV in the future. In the sample, 33 per cent believed they faced a low risk of HIV in the future, 37 per cent believed they faced a medium risk, 26 per cent believed they faced a high risk, and 4 per cent reported that they did not know. Almost half (48 per cent) of the men had had an HIV test at least once.

A randomised study reduces this possible selection bias by creating a counterfactual that is composed of the same underlying types in each of the treatment groups. Treatment groups are similar along observable baseline characteristics.

## 4.2 Take-up of voluntary medical male circumcision

Overall, we find low take-up of medical male circumcision. Out of the 1,634 uncircumcised men interviewed at the baseline, 43 men, or 2.6 per cent, had redeemed vouchers before the expiration date, indicating a medical male circumcision had been performed.<sup>3</sup>

Out of the 1,252 men who were also surveyed at the follow-up, 26 per cent reported that they had had some interaction with the partner clinic; examples of these interactions are having an actual circumcision, being counselled, making a visit to enquire or making a phone call to the clinic.

In addition, 70 additional men reported having received a circumcision after the baseline survey. Of these, 25 men (23 per cent of the total circumcisions) reported getting circumcised at either a non-partner clinic or traditionally, 9 men (8 per cent of total circumcisions) reported getting circumcised at the partner clinic but after the expiration date of the vouchers, and 36 men (33 per cent of total circumcisions) reported getting a circumcision at the partner clinic while the vouchers were still valid. In total, this gives an upper estimate of 111 men or 8.9 per cent receiving a circumcision, either from self-reports or clinical records.

<sup>&</sup>lt;sup>3</sup> Note that some studies have found mis-reports of circumcision status, in which case circumcision may be overstated (Hewett *et al.* 2012). However, other studies have found self-reports to be a valid measure of circumcision status (Templeton *et al.* 2008). We use clinical records as our main outcome, although no results change if we additionally use self-reports of circumcision at the partner clinic before voucher expiration.

		Number	% of full	
		of men	sample	
<u>Panel A: Full sar</u>	<u>mple (N=1,634)</u>	(1)	(2)	
Clinic data	Circumcised	43	0.0263	-
				% of total
			% of	(clinic or
		Number	follow-up	survey
		of men	sample	circumcisions)
Panel B: Follow-	up sample (N=1,252)	(1)	(2)	(3)
Clinic data	Circumcised	41	0.033	0.369
Survey data	Any interaction with the partner			
	clinic about circumcision	326	0.260	N/A
	Circumcised at non-partner clinic Circumcised at partner clinic	25	0.020	0.225
	after validity period	9	0.007	0.081
	Circumcised at partner clinic			
	during validity period	36	0.029	0.324
Total (clinic or				
survey)	Circumcised	111	0.089	

#### Table 2 Voluntary medical male circumcision take-up

Figure 3 plots the take-up of medical male circumcision by price as measured by the clinic data and by self-reports. In this figure, 'free' indicates that an individual was offered a free circumcision, and 50, 100, 200, 500, 900 are the amounts that were required to be paid for the surgery at the partner clinic. Take-up increases slightly – although not significantly – among those having to pay a small amount and then declines monotonically thereafter with increasing price. No one was circumcised (as measured by the clinic data) who had to pay the highest amount.

Figure 3 Response to prices



There are large and significant effects of price on having any interaction with the clinic. By receiving a higher subsidy, individuals may have been more likely to approach the clinic for more information or counselling even if they did not choose to get circumcised at the end of that enquiry process. Every dollar (approximately MWK150) increase in price reduces interactions with the clinic by 2.2 percentage points. Those offered free circumcisions are 12.4 percentage points more likely to have had any interactions with the clinic than those offered a circumcision at MWK900.

In terms of actual circumcisions as measured by the clinic's records, every dollar increase in price reduced the likelihood of take-up by almost one percentage point. Those offered a free circumcision were 3.1 percentage points more likely to adopt than those offered a circumcision for MWK900, while those offered a price of MWK50 were 4.1 percentage points more likely to be circumcised.

Figure 4 Response to information



In terms of the response to information, the only significant effect was on circumcisions measured by the clinic data. Those who were given the comprehensive information were 1.4 percentage points more likely to get circumcised than those who were not given the information.

## 4.3 Determinants of take-up

#### Determinants of take-up

One of the most important predictors of getting circumcised was openness to a circumcision, defined as reporting willingness to be circumcised at the baseline. Those who reported being willing to undergo circumcision at the baseline were between 2.6 and 3.1 percentage points more likely to receive a circumcision, as reported by the clinic, and almost 9 percentage points more likely to have had any interaction with the clinic.

There is no statistically significant effect of age on actual take-up, despite the large proportion of men at the baseline who stated being 'too old' as a reason not to get circumcised. This result should be viewed in the context of our sample, which only included men between ages 18 and 35 years. Moreover, most men, when stating they were 'too old', were comparing themselves to the age at which most Malawian boys are traditionally circumcised: between 10 and 18 years old.

While opportunity cost may be an important factor for the decision to get circumcised, data on income or employment is unavailable. Total household expenditure – included in the regressions – is one proxy for these other variables. Expenditures are not associated with circumcision take-up. This is somewhat contradictory to the finding that take-up was so responsive to price, suggesting that credit constraints may be important. One explanation may be that measurement error in expenditure data biases the coefficient towards zero. Another possibility is that the immediate small costs are more important than the actual ability to pay. We have some evidence of this. Men who were circumcised at the partner clinic were asked what their perceived opportunity cost was of receiving the surgery (i.e. lost wages); on average they reported MWK11,000 (approximately

US\$73; not shown). Expanding the sample to men who reported getting circumcised anywhere (i.e. including self-reports), they reported a loss of MWK14,720 (US\$98). In both cases, the median reported opportunity cost is MWK5,000 (US\$33). In contrast to these estimates, the voucher amounts are quite small.

Distance to the clinic is negatively associated with take-up, but not with having any interaction with the clinic. Having heard of someone getting a circumcision at the clinic is also significantly associated with getting circumcised or having any interaction at the clinic.

Those who have ever had an HIV test are 6.4 percentage points more likely to have any interaction at the clinic, potentially indicating selection on risk preferences. However, there is no relationship between prior HIV testing and actual circumcisions. There is also no significant effect of beliefs of being infected on getting a circumcision, or an interaction between beliefs and having been tested for HIV.

However, the in-depth interview responses demonstrate that risk of HIV is seen as an important motivator for circumcision. Benjamin explained that he got circumcised because of his fear of HIV.

Most of the people that are being found to be HIV positive these days are the youth. Most of them are less than 25 years old, which is our group, we youth. Things are not ok, so without circumcision, eishh! So for me I support circumcision.

Benjamin, respondent

Many of the interview respondents who had not undergone a circumcision also explained that protection from HIV was the reason they were still interested in getting the surgery. They explained that other methods of HIV prevention were not always adequate, so they wanted the added protection of circumcision. In particular, many described the **limitations of condoms and an inability to trust one's sexual partners.** 

Lastly, we find that those who used a condom at last sex were significantly more likely to get circumcised – when the definition of circumcision is expanded to include self-reports. Our data are limited given the small take-up rate, but the extent of selection based on *ex-ante* risk would significantly affect the efficacy of medical male circumcision rollout, and is important for future studies and programmes to consider.

In the in-depth interviews, a majority of those who had chosen to be circumcised expressed that they had been interested in circumcision even before the arrival of the research team. They were happy to receive the vouchers because they provided financial assistance and additional motivation to get circumcised. Thomas was happy when he received the voucher.

I received it happily because at that time I also had the thoughts to do things like these [to get circumcision], yeah. So, when I received that voucher I was very happy to say, 'Maybe now I can do the things I wanted freely, yeah.

Thomas, respondent

As evidenced in the quantitative results, those who were open to circumcision were more likely to take advantage of the opportunity provided by the research project.

#### Other barriers to take-up

In addition to the cost of the circumcision surgery, during the in-depth interviews men reported several other barriers to undergoing circumcision. First, among the interview respondents who had not been circumcised in the year following the baseline survey, approximately half reported having no interest in circumcision. This corresponds with the finding from the baseline survey that about 50 per cent of respondents were not willing to be circumcised. Matthews, one of the respondents who did not get circumcised, said, **'I don't even desire to do it in any way even though it is good and I know its advantage.** But for me to go and get it, no, I don't do that.' He explained that he was not interested no matter what the benefit of circumcision.

Other interview respondents continued to express interest in circumcision. However, opportunity costs, fear, lack of accurate information and inadequate service provision prevented them from acting on their stated desire to get circumcised.

**Opportunity costs:** Part of contemplating circumcision is considering the opportunity costs associated with the surgery. After the procedure, men are typically out of work for approximately one week while their wound heals. Many respondents were unable to prioritise circumcision over a week of income generation opportunities because they use their daily earnings to feed themselves and their families.

I have a family and one child, I pay rent, and everything I do it on my own. So I say; aah, with that, if I can go to the hospital to do that [get circumcised] how am I going to pay rent, what am I going to eat?

Michael, respondent

Before undergoing the surgery, men explained that they would have to save for the impending income loss. Such planning requires a high degree of commitment.

**Fear:** Many men expressed fear of pain and of the potential for botched surgery. Some of the respondents described images of worst-case scenarios that discouraged them from seeking a circumcision. For example, Zachariah said, 'My only fears concerned the outcome of poor surgery, which would consequently lead to one being disabled and that would compel the surgeons to completely cut the whole thing off.' Intense fear discouraged the respondents from making circumcision a priority.

**Availability of accurate information:** Often men's fears were compounded by the spread of rumours and by difficulties in obtaining accurate information about the process and/or outcome of the circumcision surgery. Men reported receiving a lot of conflicting information. Juma gave a detailed explanation of his decision-making. When he got the voucher for circumcision from the research team, he first went to his friends for advice. Some of his friends relayed rumours they had heard about circumcisions gone wrong, while others encouraged him to get the surgery. He described his considerations when deciding whether or not to get circumcised.

Obviously the first thing was what my friends told me that once I get circumcised the wound would not heal and eventually my private parts will start to disintegrate up to the point that they will just cut them so as to prevent me from dying. Then I said to myself that it was not worth dying for. I said I was going to think deeply over this. And then I asked another person, then another one, and again another one, then I said I think the other one was telling me lies. Then I said this one is telling the truth, just like this one is also saying the truth. I said to myself that I was still going to get the real answer.

Juma, respondent

Like other respon**dents, Juma's decision**-making was delayed because he had to seek information from multiple sources and sort through conflicting information and advice.

**Unreliable service provision:** The provision of circumcisions at the partner clinic was often unreliable. Most of the men who got circumcised had to return to the clinic multiple times before getting the surgery. One interview respondent, Prince, tried several times to get circumcised at the partner clinic and finally gave up.

I went there and I was told the doctor was not available. I waited for an hour and later left. I went there the following morning where I produced the voucher and had to wait again for an hour or so and the doctor did not show up. I was told to wait because the doctor was coming. I went there again. I really wanted to do it but the person [doctor] I was looking for was not available. This is what brought this whole thing to a halt.

Prince, respondent

To meet the goals of ongoing circumcision campaigns, supply of circumcision services will need to be scaled up dramatically.

At the baseline, men who reported that they were unwilling to get circumcised were asked why they were unwilling. The most common answers were cultural or religious reasons, fear of pain, being too old or just not wanting to get a circumcision.



Figure 5 Reasons against medical male circumcision

To gain insight into the low overall take-up, we examine how offering the vouchers and the comprehensive information affected attitudes towards medical male circumcision.

Men at the follow-up – who had not undergone a circumcision – were again asked whether or not they would be willing to be circumcised. Approximately 75 per cent reported they would be willing to get circumcised, despite the fact that they had not yet done so (not shown). Those who were unwilling were asked why they were unwilling and those who reported being willing were asked why they had not yet received a circumcision. We pool these responses together; there are some differences in responses across the two groups of men, but these are not large enough to change the main results (not shown).

There were no significant effects of information or price on cultural or religious reasons, the fear of pain, believing one is too old, or just simply not wanting to be circumcised. Importantly, these were the most commonly stated reasons for not getting circumcised at the baseline.

Prices had some effects on reported barriers to circumcision. Those who were offered less expensive circumcisions were less likely to say expense was a barrier. They were also more likely to report being too busy.

Information also had effects on barriers to medical male circumcision. Those receiving the comprehensive information were more likely to say that they were not at risk, less likely to say that **they didn't have enough information, and** more likely to report that a family member objected to the surgery. In total, there was a small significant increase in the total number of barriers or reasons given among those who were provided with the comprehensive information.

Importantly, there was no impact of either information or price on expressing any positivity towards circumcision – as coded from the open-ended questions – or on the willingness to be circumcised.

#### **Table 3 Attitudes towards circumcision**

Dependent variable: Barrier to circumcision due to	Culture or religion	Fear of pain	Too old	<b>Just don't</b> want	Too expensive	Lost or expired voucher	Too busy	Not at risk	Not enough info	Family objects	Number of reasons	Positive about VMMC	Willing
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Information	0.03	0.009	0.004	0.016	0.014	-0.002	-0.044*	0.023***	-0.043*	0.043***	0.059*	0.017	-0.016
	[0.030]	[0.027]	[0.013]	[0.014]	[0.012]	[0.014]	[0.026]	[0.009]	[0.025]	[0.016]	[0.033]	[0.018]	[0.025]
Free	-0.046	-0.031	0.739	0.7772	0.198	0.25	0.103***	-0.005	-0.024	-0.018	-0.072	0.011	0.019
	[0.047]	[0.043]	[0.025]	[0.030]	[0.033]	[0.020]	[0.038]	[0.016]	[0.038]	[0.034]	[0.044]	[0.029]	[0.046]
MWK50	0.00	-0.031	-0.005	-0.023	-0.052	0.034*	0.080*	-0.008	0.006	0.002	0	0.029	0.011
	[0.051]	[0.039]	[0.028]	[0.028]	[0.037]	[0.020]	[0.044]	[0.016]	[0.047]	[0.035]	[0.054]	[0.027]	[0.041]
MWK100	4.284	7.1278	0.884	0.902	0.949	0.8428	0.077*	-0.007	0.007	-0.025	-0.045	0.028	0.04
	[0.065]	[0.042]	[0.021]	[0.032]	[0.034]	[0.024]	[0.042]	[0.016]	[0.041]	[0.036]	[0.058]	[0.028]	[0.045]
MWK200	-0.046	-0.03	-0.019	-0.013	-0.04	0.004	0.101**	-0.024	-0.015	0.006	-0.072	-0.01	0.064
	[0.051]	[0.045]	[0.028]	[0.030]	[0.039]	[0.018]	[0.043]	[0.014]	[0.054]	[0.039]	[0.061]	[0.028]	[0.048]
MWK500	-0.01	-0.057	0.005	-0.039	-0.046	0.02	0.068*	0.028	-0.003	0.041	-0.011	-0.008	0
	[0.055]	[0.041]	[0.029]	[0.033]	[0.035]	[0.021]	[0.035]	[0.024]	[0.048]	[0.039]	[0.051]	[0.026]	[0.050]
Observations	1075	1074	1074	1074	1078	1074	1076	1074	1079	1074	1074	1074	1252
R-squared	0.06	0.02	0.03	0.04	0.05	0.04	0.04	0.04	0.03	0.04	0.05	0.02	0.12
Incl. controls?	Y	Υ	Y	Y	Y	Υ	Y	Y	Y	Y	Y	Υ	Y
Ave of dep variable	0.270	0.146	0.048	0.061	0.046	0.049	0.170	0.019	0.230	0.088	1.128	0.083	0.747

#### Notes:

Robust standard errors clustered by block. Control variables include: age, age squared, logged total expenditures, years of schooling, whether the respondent is of a circumcising tribe, whether the respondent reported he was willing to be circumcised, whether the respondent thought his risk of having HIV was high, whether the respondent had ever had an HIV test, the interaction of belief of high risk and having an HIV test, whether the respondent had heard of anyone who had been circumcised at the partner clinic, whether the respondent correctly believed that circumcision was associated with lower risk of HIV, distance to the clinic, and indicators of being low risk and high risk. We also include circumcision price indicators and an information treatment indicator. For covariates with missing values, the median has been inputted, and a dummy included for whether or not the covariate is missing. \* significant at 10%; \*\* significant at 5%; \*\*\* significant at 1%. MC = male/medical circumcision. Interaction with the partner clinic includes medical male circumcision, counselling, visits or phone calls.

These results help to explain the low take-up in this study and why the information and price interventions were unable to increase it substantially. Although many men state that they are willing to get circumcised, in actuality providing comprehensive information about the benefit and providing free clinical circumcisions are not enough to reduce the main barriers that constitute over half of the stated reasons against circumcision.

It is important also to note that there may have been administrative or logistical barriers to take-up as well. Because the voucher was only valid for three months, men may have demanded a circumcision at a different time or season when the opportunity costs were lower. Additionally, there were some reports that men were unable to schedule a time at the clinic when the clinician was available. This speaks to the importance of the need to promote both demand and ensure supply of medical male circumcision services. Among those men who made any contact with the clinic, there was an average of 2.25 calls made to the clinic, 2.12 visits, and 1.9 attempts for surgery. Even among those who eventually got circumcised it took some effort; these men made 1.75 calls, 1.33 visits and 2 attempts at surgery.

## 5. Recommendations and conclusions

This report measures the demand for medical male circumcision and the response to price using a randomised trial. The study findings provide insights into the delivery and demand for circumcision in the setting of an actual health provider. Overall, the demand was relatively low, ranging from 3.3 per cent based on clinic data to 8.9 per cent on clinic and self-reported data. This is particularly low when compared with rollout campaigns in other areas of Sub-Saharan Africa, such as Kenya, and relative to the targets set for medical male circumcision rollout strategies. Importantly, those who were most open to circumcision and those who were safer types as determined by sexual behaviour were more likely to adopt medical male circumcision. Although the delivery of services was unreliable at times, the results from this intervention provide important new information relevant for policymakers interested in scaling up medical male circumcision. Below we discuss the main lessons learned and recommendations.

# • Price was not the only barrier to receiving a male circumcision, but it was certainly a major barrier for some.

Current policies from some donors, such as the US President's Emergency Plan for AIDS Relief, require circumcisions to be provided free of charge, which is likely to have impacts on increasing demand. However, we found strong interaction effects with price and risk of HIV infection, such that lowering prices is more likely to attract those who will yield the least benefit from the protection given by medical male circumcision. It should be noted that opportunity costs are likely to be far greater than the actual costs of circumcision and our results are not informative for predicting responses to 'negative prices' or financial incentives.

# • Providing information was not enough to stimulate demand for medical male circumcision.

Given the results in this paper, other interventions for medical male circumcision should be rigorously evaluated to determine their effects on increasing demand. There is some experimental evidence that suggests that merely providing information is not an effective strategy to promote demand. In this study, in addition to randomising the price of medical male circumcisions, intense information about the protective benefits of male circumcision was randomly disseminated to respondents at the end of the baseline survey. Despite the detailed information given out, overall adoption of male circumcision remained low. There was a significant impact of receiving the information on take-up, but this effect was small. These results are similar to a separate study in which information about male circumcision and HIV was given to respondents, randomly allocated by village, in rural Malawi. There was no significant difference in the take-up of circumcisions among uncircumcised men one year after the information was disseminated (Godlonton *et al.* 2012).

# • The decision to become circumcised currently requires time for consideration and a high degree of motivation.

In the qualitative interviews, several respondents explained that the decision to get circumcised takes time. In the current social environment of urban Malawi, where medical male circumcision is uncommon, it can take time for men to decide whether they want to prioritise circumcision. For example, Thomas used his voucher to get circumcised, but he admitted that he had wanted a circumcision for 1.5 years before the arrival of the research team and had never attempted to get the surgery. He explained his period of inaction by saying that it takes people time to accept a new social practice.

Yes, there is something I would like to add and it is that when you people are doing research there is need for you to tell the people things *zogwiramtima* [that touch their heart]. We people have difficulty to understand what we knew a long time ago to be changed within a matter of a day; it is something difficult....Because when you are putting into the mind of a person something that you are saying is good, you have to oppose something that he knows before you tell him, you see that? Or what their parents told them, yeah.

Thomas, respondent

He highlights the fact that the new messages about circumcision conflict with previous understandings of the procedure, learned from older generations, as a practice that was conducted only on young Yao or Muslim boys. With the promotion of medical male circumcision as an HIV prevention strategy, circumcision has become an important option to many men for whom it was previously an irrelevant practice. Thomas explained that it takes time for people to adjust to a new understanding of an existing social practice.

As demonstrated in the quantitative analyses, this resulted in a select group of men who opted for circumcision. The decision-making process for men contemplating circumcision is likely to change, however, as take-up increases and VMMC becomes a more common practice. There is a need for additional studies of selection and take-up at later stages of the scale-up of VMMC for HIV prevention.

It is important to note that the results in this report may not generalise to other Sub-Saharan African countries or to other service delivery models. In addition, these results are among the very first adopters and the findings may not generalise to other contexts or to later in the adoption process. However, the findings do provide the first rigorous estimates of the demand for medical male circumcision and shed light on some of the real challenges for scaling up circumcision coverage to meet global targets.

With the goal of reducing HIV infections, scaling up medical male circumcisions has become a high priority. However, there must be joint efforts on both increasing demand, particularly among high-risk groups, and ensuring a reliable supply of quality services during scale-up. We have shown that reducing the price to zero was not sufficient to reach targeted levels of medical male circumcision coverage. How to incentivise high-risk adult men in endemic areas to get circumcised is an important question for future research.

## Appendix A: Sample design

The study involves approximately 1,600 men living in the catchment area of a partner clinic in Lilongwe, Malawi. While this population is not representative of the overall male population of Malawi because they live in a peri-urban centre, in order to start the scaleup of the programme, we focus among those who are able to reach the partner clinic. Our randomisation is at the individual level, which helps to increase power for statistical analysis. While spillovers, particularly in terms of information, may be a concern, we will collect GPS coordinates of the men to measure neighbourhood effects of living in the vicinity of those receiving the information about male circumcision (Miguel and Kremer 2004). In addition, our questionnaires at baseline and in the clinic will help to measure potential information spillovers.

# Appendix B: Survey instrument: household listing

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6. Describe the location:	How would you fi	nd this house?									H8. Bloc H9. Inter	k ID: viewer ID	:									
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# Appendix C: Survey instrument: baseline survey

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IRB Number: «ID»

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	S.Starter
Part o	f this study is on your background experiences. Just a few questions for you before we start.
S.1	On a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?
	Scale (0 - 10):
S.2	What is your favourite football team in Malawi? (No abbreviations, please write out in full)
	Name
S.3	What is your date of birth (day, month and year)?
	D D M M Y Y Y Y 398. Don't know date Age:
5.4a	Do you have a voter identification?
	1. Yes
	0. No
	1. Yes (Specify:) 0. No
5.5	What is your ethnic group?
	1. Chewa 3. Tumbuka 5. Ngoni 7. Sena 99. Other:
	2. Yao 4. Lomwe 6. Senga 8. Tonga
n essen	
	I am going to ask you about your circumcision status. Circumcision is the removal of the foreskin from the penis. This can be Incted in the clinic or traditionally (in the bush).
5.6	Are you circumcised?
	1. Yes 0. No 98. Don't know
5.7	It is quite common for men who get circumcised not to S,8 Would you ever get circumcised?
5.1	have the whole foreskin removed
	How much of your foreskin was removed: 0. Ayi 1. Inde
	1. The entire foreskin
	2. Only some of the foreskin
	S.9 What are some of the reasons that you would not get circumcised?
	97. Refused Do not read. Mark all that apply A. The pain will be too great G. I am too old
	Go to \$.10
	B. It would be bad for my healthH. I am afraid of dying
	C. I don't agree with the I. Waste of money
	religious practice D. Women won't like it J. Encourages pre-marital se
	E. It is too expensive 99. Other.
	F. I don't trust the doctors at
	the clinic
	Go to \$.10
5.10	Have you fathered any children?
	1. Yes 0. No Go to \$.12
3.11	How many children have you ever fathered?
	A. Number of Boys: B. Number of Girls.
5.12	Interviewer Check: Using question \$.8 is the respondent circumcised?
	1, Yes
	Interviewer Check: Does respondent ID end with an odd number (1,3,5,7,9)?
5.13	

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Study	No.: HUM000306

A.1	A. Background
A.1	In which district were you bom?
	District Name:
A.2	What is your religion?
	1.Catholic 5. Baptist 8. Church of Christ 11. Jehovah's 0. No religion
	2. Muslim 6. Anglican 9. Seventh Day Adventist
	4. CCAP 7. Pentecostal 10. Indigenous Christian / AIC
	West in the same of the above binary in the same ensemble. Here 20
A.3	What is the name of the ohurch/mosque that you currently attend? Interviewer Instructions: Please be as specific as possible.
	Name: Area:
A.4	How frequently do you attend services and activities held at this church/mosque - More than once a week; Once a week; 2 - 3 times per week;
	Once a month; or Less than once a month?  1.More than once a week 3. 2-3 times per week 5. Less than once a month
	2. About once a week 4. About once a month
A.5	What is the highest level of schooling you have completed?
A.D	0. None 3. Std 3 6. Std 6 9. Form 1 11. Form 3
	1. Std 1 4. Std 4 7. Std 7 10. Form 2 12. Form 4
	2. Std 2 5. Std 5 8. Std 8 13. College or more
	Go to A.8
A.6	Can you read a letter written in:
	A. Chichewa? 1. Yes 0. No B. English? 1. Yes 0. No
A.7	Can you write a letter in:
	A. Chichewa? 1. Yes 0. No B. English? 1. Yes 0. No
A.8	Which of the following applies to your current living situation?
	Read options and mark all that apply           A. Own my home in Kawale         1, Yes         0, No         D, Own a home outside of Kawale         1, Yes         0, No
	(family)
	B. Live with relatives friends 1. Yes 0. No E. Work at the home 1. Yes 0. No
	C. Pay rent 1. Yes 0. No F. Other. Specify:
A.9	Do you have electricity in the household in which you reside in Kawale?
	1. Yes 0. No
Ā.10	Now I'd like to talk a little about how you earn your living and your economic situation. Let's talk about the household items that you and your household have. Do you and/or your household own any of the following items?
	A. Does your household own any of the following items? B. If yes, how many?
	A. Sofa 0. No 1. Yes> B. Working TV 0. No 1. Yes>
	C. Bicycle 0. No 1. Yes
	D. Working Car 0: No 1: Yes
	E. Working Computer/Laptop 0. No 1. Yes
	F. Working Stereo System 0. No 1. Yes
	G. Working Hotplate/Stove 0. No 1. Yes
	H. Working Refrigerator 0. No 1. Yes
	would like to ask you about what you personally spend.

A.11 Approximately how much did YOU spend in the past month in total (this includes money you spent on yourself or others) on:

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#### Study No.: HUM00030672

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C	C. Expens	ses on food: maize	s, meat ndiwo	, eating	out				C.	-	-	-	_	
ો	D. Expense	ses on transportation	n						D.	_				-
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	others, slightly	compare this hous better than others, out all options an	about the sam						usehold's	in Kaw	ale, woul	d you s	ay much	1 better than
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Ľ	2. Sligt	tly better than mos	at [	4. Sligh	tly wors	e than m	ost		98. Do	n't knov	(if VOL)			
1	would like to l	g to ask you some mow your best gue at you will live up to	\$\$.	out what Yes	t you mig No		ct to hap	open in Yes	the futur	re. Som Dk	etimes th	e future Yes	is diffic	ult to know, but Dk
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	is the nespone	ient Gircumcised?			2			_	Sect	ion O				
	is the nespond	ent Gircumcised?			]1. Yes ]0. No				Sect	ion O				
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and pass We will like to e neither y First soir B.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	re many types at experiences not be asking encourage you your neighbor me questions in the past <u>yea</u> with and those Number: In the past <u>mor</u> with and those Number: Have you ever 1. Yes Have you ever 1. Yes	of different types dont necessarily for the name of y to answer as trut s nor your sexual for you, even if you that you did not.	of sexual in define our cr our sexual p. hfully as pos partners will ou have neve n have wante nen have wante nen have wante oral sex from s who have re com a women	teractio urrent s sible b I find or r had s d to slet d	] 0. No eeral 1 rs exisi exual in nor how thut. ex ex ex sp with y eeep with y eeep with oral sex	tng in M teraction v they rea n mind th ou? This you? Th from a w	lata wi, c ns, We late to hat all i should his should	Genera would you (i.i nforma i include uld inclu	Aior Illy our s e. wheth ation sha e all wor	exual i isk you ared he nen incli omen ir	nteractio about yc are marri re will be uding bot neluding b	ur sex ed to t kept c	ual hist hern or confider with wh	ory generally. not). We would thial and om you slept whom you slept
and pass We will like to e neither y First soor B.1     	re many types at experiences not be asking encourage you your neighbor me questions In the past yea with and those Number: In the past mor with and those Number: Have you ever 1. Yes Have you ever 1. Yes Have you ever 1. Yes Have you ever	of different types dont necessarily for the name of y to answer as trut s nor your sexual for you, even if yo t, how many wome that you did not. 	of sexual in define our cr our sexual p. hfully as pos partners will ou have neve n have wante nen have wante nen have wante oral sex from s who have re com a women com a women	teractio urrent s sible bi I find or r had si d to slet - ted to slet - ted to sl ted	]0. No eeral 1 nor how earing ir ex ep with y er? - oral sex r. I'd like	tng in M teraction v they rea n mind th ou? This you? Th from a w	lata to , ns. We late to , should should his should momen?	Genera would you (i.i nforma i include uld inclu	Aior Illy our s e. wheth ation sha e all wor	exual i isk you ared he nen incli omen ir	nteractio about yo are marri re will be uding both neluding b	ur sex ed to t kept c n those oth tho	ual hist hern or confiden with wh se with se with	ory generally. not). We would thial and om you slept whom you slept
and pass We will like to e neither y First soor B.1     	re many types at experiences not be asking mencourage you your neighbor me questions In the past <u>yea</u> with and those Number: In the past <u>mor</u> with and those Number: In the yeast <u>mor</u> in the past <u>mor</u> with and those Number: In the yeast <u>mor</u> 1. Yes Have you ever In Yes m going to asl pht reveal deta	of different types dont necessarily for the name of y to answer as trut s nor your as trut s nor your as trut s nor your as trut to answer as trut s nor your sexual for you, even if you that you did not. 	of sexual in define our cr our sexual p. hfully as pos partners will ou have neve n have wante nen have wante nen have wante oral sex from s who have re com a women com a women	teractio urrent s sible bi I find or r had si d to slet - ted to slet - ted to sl ted	]0. No eeral 1 nor how earing ir ex ep with y er? - oral sex r. I'd like	tng in M teraction v they rea n mind th ou? This you? Th from a w	lata to , ns. We late to , should should his should momen?	Genera would you (i.i nforma i include uld inclu	Aior Illy our s e. wheth ation sha e all wor	exual i isk you ared he nen incli omen ir	nteractio about yo are marri re will be uding both neluding b	ur sex ed to t kept c	ual hist hern or confiden with wh se with se with	ory generally. not). We would thial and om you slept whom you slept
and pass we will like to e neithery First soon I B.1 1 I I B.2 1 I I I I I I I I I I I I I I I I I I I	re many types at experiences not be asking encourage you your neighbor me questions In the past yea with and those Number: In the past mor with and those Number: Have you ever 1. Yes Have you ever 1. Yes Have you ever 1. Yes Have you ever	of different types dont necessarily for the name of y to answer as trut s nor your as trut s nor your as trut s nor your as trut to answer as trut s nor your sexual for you, even if you that you did not. 	of sexual in define our cr our sexual p. hfully as pos partners will ou have neve n have wante nen have wante nen have wante oral sex from s who have re com a women com a women	teractio urrent s sible bi I find or r had si d to slet - ted to slet - ted to sl ted	]0. No eeral 1 nor how earing ir ex ep with y er? - oral sex r. I'd like	tng in M teraction v they rea n mind th ou? This you? Th from a w	lata to , ns. We late to , should should his should momen?	Genera would you (i.i nforma i include uld inclu	Aior Illy our s e. wheth ation sha e all wor	exual i isk you ared he nen incli omen ir	nteractio about yo are marri re will be uding both neluding b	ur sex ed to t kept c n those oth those oth tho	ual hist hern o' confider with wh sse with ' arried, 4	ory generally. not). We would thial and om you slept whom you slept

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B.7	How many people overall you have ever had sex with in your lifetime?	
	Number	
B.8	Have you ever used a condom?	
	1. Yes 0. No Go to B.13	
B.9	Which of these condoms have you ever used? Read out options and mark ALL that apply	
	A. Chisango 1. Yes 0.No E. Contempo Brand (incl. 1. Yes 0.No Rough Rider, Bareback, King	
	B. Free condoms 1. Yes 0.No Sized, Wet and Wild)	
	C. BLM Brand 1. Yes 0. No F. Have you used any other 1, Yes 0. No condoms? If yes, specify:	
	D. Manyuchi 1.Yes 0.No	
B.10	Which brand of condoms do you use most often (Chisango, Free condoms, BLM brand, Manyuchi, Contempo Brand, Any others)? Mark ONLY one	
	1. Chisango 3. BLM Brand 5. Contempo Brand (incl. 99. Other, Specify	
	Rough Rider, Bareback, King           2. Free condoms         4. Manyuchi           Sized, Wet and Wild)	
B.11	When choosing a condom, what is your most important consideration such as availability, Price, Quality, Strength Partner Preference, Anything	
	else)? Read out options and mark ONLY one	
	1. Availability 3. Quality 5. Partner Preference	
	2. Price 4. Strength 99. Other (Specify):	
B.12	If you were designing your own condom, what characteristics would be important to you (Flavour, Size, Sensitivity for you, Sensitivity for her,	
	Strength, Colour, Anything else)? Read out options and mark ONLY one	
	1. Flavour 3. Sensitivity for you 5. Strength 99. Other. Specify:	
	2. Size 4. Sensitivity for her 6. Color	
B.13	How many different women did you have sex with in the past 12 months?	
	Number 0. No sex in past 12 months Go to B.16	
B.14	How many different women did you have sex with in the past month?	
7903		
	Number 0. No sex in past month Go to B.16	
B.15	Thinking about ALL your different partners over the past month, how many times in the past month did you have sex?	
	Number	
B.16	In your opinion, what is the likelihood (chance) that you are infected with HIV/AIDS now (No likelihood, Low Likelihood, Medium Likelihood, and High Likelihood)? 11. No likelihood 33. Medium likelihood 98. Don't Know 5. 1 know 1 am HIV+	
	Low likelihood     A High Likelihood     B: I know I am HIV-	
B.17	In your opinion, if you learned that you do not have HIV, what is the likelihood (chance) that you will become infected with HIV/AIDS in the	
	future? 1. No likelihood 3. Medium likelihood 98. Don't Know	
	2. Low likelihood 4. High Likelihood	
0	C. Primary Sexual Partner	
If you	on C: Introduction have had more than one sexual partner in the last year, please now think about the one with whom you share the most time with and who you tas the most chance for a lasting relationship. This could be a wife, girlfriend or any other sexual partner.	
	say her name is Hope. I am going to ask you some general questions about Hope, but remember that I am not going to ask you for her real name nor her	
C.1	In what year did you first meet her?	
	Year	
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80) 	IRB Number; «ID» Pe	
C.2	Where did you first meet her (School, Church, At work, In the neighborhood, Through family or a mutual friend)?	
-----	-----------------------------------------------------------------------------------------------------------------	--
	Read out options and mark one	

	1. In primary school	5. At work	8. Met through	a mutual friend
	2. In secondary school	6. In my neighborhood	9. Met through	family
	3. In college	7. In a bar/dance place	99. Other. Spe	;ify:
	4. At church/mosque			
C.3	From the time you first met her, how much time	passed (in weeks) after you m	et her did you sleep with	her?
	Weeks:			
C.4	How old is she now?			
	Interviewer: If exact age is not known, est	timate.	1	
	Age:			
C.5	How many years of schooling has she completed			
	Interviewer: Estimate if not k	known		
	0. None 3. Std 3	6. Std 6	9. Form 1	12. Form 4
	1. Std 1 4. Std 4	7. Std 7	10. Form 2	14. Some college
	2. Std 2 5. Std 5	8. Std 8	11. Form 3	13. College or more
C.6	What is her ethnicity?			
	1. Chewa 3. Tumbuka	5. Ngoni	7. Sena	99. Other:
	2. Yao 4. Lomwe	6. Senga	8. Tonga	
C.7	I am not going to ask if you live with her, I just wo Kawale; in Lilongwe but not in Kawale; in rural Li Read out options and mark one 1. In Kawale 2. In Lilongwe dis Kawale	longwe; or in another district?	y how close you live to ex ner district.	ach other. Where does she live - in 96. Other country Specify:
C.8	How often do you see her, would you say every of times a year, or less than once a year? Read out options and mark one			
	1. Every day	4. Several times per m		7. Less than once a year
	2. Several times per week	5. Once a month		8. Stopped meeting with her
	3. Once a week	6. Several times in a ye	ear	

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C.9	When was the last time that you had sex with this partner? Read out options and mark one	
	1. In the last week 2. In the last 2 weeks 3. In the last month	4, in the last 6 months 5, in the last year
	Go to C.11	6. Prior to one year ago
C.10	In the past week, how many times did you have sex with this partner?	
	Times	
C.11	In the past month, how many times did you have sex with this partner	
	Times:	
C.12	The last time you had sex, did you use a condom?	
	1. Yes 0. No	
C.13	How frequently do you use a condom with this partner - Every time we have Never?	sex. Most of the time we have sex; Some of the time; Rarely, or
	1. Every time we have sex 3. Some of	the time 5. Never
	2. Most of the time 4. Rarely	
C.14	Have you ever used any of these methods to prevent this partner from gettin	ng pregnant?
	A. Pill 1.Yes 0.No 98. DK	E. Female 1.Yes 0.No 98. DF
	B. Injections/ 1.Yes 0.No 98. DK	F. Withdrawal 1.Yes 0.No 98. D
	Depo C. Norplant 1. Yes 0.No 98. DK	G. Condom 1 Yes 0. No 98, D
	D. Male 11.Yes 0.No 98. DK	H. IUD 1.Yes 0.No 98. DH
	Sterilization I. Othe	r 1.Yes 0.No Specify
C.15	Many people in Malawi have multiple sexual relationships, even if they are i you think best charaterises this partner during the time that she has been in partner and I have proof. I think she has had multiple other partners but I ha proof. I think she has had one other partner and I have heard rumours supp confirm that, I don't think she has had another partner but I cant prove it, or	a committed relationship with you: I know she has had another ve no proof, I think she has had multiple other partners and I have orting this, No possibility she has had another partner, and I can
	Interviewer: Ask each and mark only one option	
	1. I know she has had another partner and I have proof	5. No possibility she has had another partner, and I can confirm that
	2. I think she has had multiple other partners but I have no proof	6. I don't think she has had another partner but I cant prove it
	3. I think she has had multiple other partners and I have proof	7. I think she has had one other partner but I cant
	4. I think she has had one other partner and I have heard rumours supporting this	prove it
_	D. HIV Attitudes ar	nd Beliefs
Now D.1	I'd like to talk about your own attitudes and beliefs about HIV If we took a group of 100 people living in Kawale, how many of them do you	think would now have HIV/AIDS2
0.1		
	Number	and me during (AD)(A) from the silinia to halo them?
D.2	If a person gets HIV today, how many years would they have to live, if they have to live, if they have to live and they have to live	had no drugs (ARVS) from the calle to help them?
	Years	
D.3	If a person gets HIV today, how many years would they have to live, if they h	nad drugs (ARVs) from the clinic to help them?
	Years	
D.4	If 100 men each slept with a woman who is HIV positive last night and did N	ICT use a condom, how many of them do you think would get HIV?
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D.5 If 100 men each slept with a woman who is HIV positive last night and DID use a condom, how many of them do you think would get HIV?

Number

- Now, I'd like to ask you some questions about your attitudes and beliefs about circumcision.
  D.6 If 100 circumcised men each sleep with a woman who is HIV positive last night and did not use a condom, how many of them do you think would get HIV?
  Number\_\_\_\_\_
- D.7 If 100 uncircumcised men each sleep with a women who is HIV positive last night and did not use a condom, how many of them do you think would get HIV? Number\_
- D.8 How many weeks do you think it takes for an adult man to return to normal activities after having a male circumcision in a clinic? Weeks:
- How many weeks do you think it takes until an adult man is able to have sex after having a male circumcision in a clinic? D.9 Weeks:

D.10 Have you ever heard about a scientific study that took place about circumcision and HIV?

D.11	R	the study conducted in EAD out responses and mark ALL that ap						1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
	<u> </u>	A Ghana 0. No 1. Yes	98. DK	E Nigeria		3. No	1. Yes	98. DK
		B Kenya 0. No 1 Yes	98. DK	F South Africa		). No 🕅	1. Yes	98. DK
		C Malawi 0. No 1. Yes	98, DK	G Uganda		). No [	1. Yes 🗌	98. DK
		D NorwayO. No1. Yes [	98. DK	ник		D. No	1. Yes	98. DK
				l Other. Specify:		D. No	1. Yes	
		Section E:	Health relat	ted and BLM s	pecific	š		
Now I		about condoms, even if you have never you ever purchased condoms?	had sex					
<b>F</b>	The second	1. Yes 0. No	$\longrightarrow$	Go to E.3				
E.2	in the	past month, did you purchase condoms fr		terreterreterreterreterreterreterreter				
6.2	in the	past month, did you purchase condoms in	2011.		IF	Yes, How r	nany?	
	A	Clinic/Hospital	0. No	1_Yes	*			
	в	Banja La Mtsogolo Clinic	0, No	1. Yes	><			
	C	Grocery store	0. No	1. Yes	>			
	D	Club/Bar/Beer Hall	0. No	1_Yes	>			
	E	Did you purchase condoms from Somewhere else?Specify:	0. No	1. Yes	•			
E.3	Have	you been given any free condoms in the p	ast month?					
		1. Inde 0. Ayi	$\longrightarrow$	Go to E.5				
E.4	in the	past month did you get free condoms from	any of the following	*				
	A	Partner	10. No	1. Yes	if.	Yes, How r	nany?	
	в	Friend/Relative		1. Yes				
	c	Banja La Mtsogolo Clinic	0.No	1. Yes	<b>&gt;</b>			
	D	Other Clinic/ Hospital	0.No	1. Yes	-			
	E	Did you receive condoms from [ somewhere else?Specify:	0.No	1. Yes	•			

E.5	I will not ask about the results. Hav	e you ever been tested	for HIV?		Only		by respondent:
	1. Yes	0. No	Go to E.8			2. I know I 3. I know I	
E.6	When was the last time that you ha	d a test for HIV?				_	
	A. Year	B. Month			_		
E.7	Where were you tested the last tim	e you were tested for H	IIV?				
	Clinic Name/Other VCT center.					97	Home
Now	I'd like to ask you some questions	about the Bania La M	tsonolo Kawala	clinic			
E.8	Do you know where the Banja La N			citric.			
	1. Yes	0. No	→ Go to	5 E.14			
E.9	How many minutes would it take yo Interviewer: indicate time for use		ONLY MARK O				ill take to get there?
	Mode of Transport	T		Minutes			- 7-7-7-1-11-1-7-7-7-7-7-7-7-7-7-7-7-7-7
	A. Foot					_	
	B. Bicycle						
	C. Car or Bus						
	D. Motorcycle	0.0					
E.10	Have you ever been to Banja La M	tsogolo Kawale clinic?					
	1. Yes	0.No	Got	0 E.14			
		and addresses					
E.11	When was the last time you were a	t Banja La Mtsogolo <u>Ka</u>	awale clinic?				
	A. Year	В.	Month				
E.12	Why did you go to the Banja La Mt	socolo Kawale clinic th	e last time you we	ant?			
		and the second second					
	-						
	à						×.
E.13	How many times in total have you t	been to the Banja La M	tsogolo <u>Kawale</u> c	linic:			
	Number of times:						
E.14	Which of the following services do	you think are offered at	Pania La Micoar	via - Kawala Clinia	Even if you ha	va never haar	thara?
B. 14	Please could you also tell me which						
		E 440	Do they offer it?		E.14		sought this service BLM?
	A. Antenatal services	0.No	98. DK	1.Yes -	$\rightarrow \square$	1.Yes	0.No
	B. ARV treatment		98. DK	1.Yes	→ [¯	1.Yes	0.No
	C. Family Planning		98. DK	1.Yes	=	1.Yes	0.No
	D. HIV Testing		98. DK	1.Yes		1.Yes	
	1 10 10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		98. DK	900.65		1.Yes	
	E. Male circumcision	0.No	11.2 m = 1.2	1.Yes		- Shiring and	0.No
	F. TB testing/treatment	0.No	98. DK	1.Yes		1.Yes	0.No
	G. Malaria testing and treatment	0.No	98. DK	1000	2.4	1	
	SPIRITUAL COLOR SECTION OF MOMOUSE		1000 St. 10	1.Yes -	→□	1.Yes	0.No
	H. Treatment for cold/flu	0.No	98. DK	1.Yes -	$\Rightarrow$	1.Yes	0.No
	SPIRITUAL COLOR SECTION OF MOMOUSE	0.No	98. DK	10.00		10.00	0.No
E.15	H. Treatment for cold/flu	0.No	98. DK	1.Yes —		1.Yes	0.No

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	A Friend	1. Yes	0.No	D. Neighbour	1. Yes	0.No
	B. Relative	1. Yes	0.No	E. Just heard stories/rumours don't	1. Yes	0.No
	C. Work colleague	1. Yes	0.No	F. Other. Specify:		
E.17	if you went today, what d	o you think is the	estimated cost	hat would be incurred if you would go for a circ	umcison at:	

A, CHAM/Mission Clinic

B. Kamuzu Central Hospital

C. Private doctor/Private Clinic

D. Banja La Mtsogolo (Kawale Clinic)

Kwacha	
	98.DK
	98.DK
	98.DK
	98.DK
<u></u>	

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Now, read through the voucher script and ask for consent for issuing the voucher.         int amount is indicated on the voucher that the respondent received:			. VOUCHER		
0. Respondent pays 0 Kwacha; Subsidy is 950       3. Respondent pays 200 Kwacha; Subsidy is 750 Kwacha         1. Respondent pays 50 Kwacha; Subsidy is 900       4. Respondent pays 500 Kwacha; Subsidy is 450 Kwacha         2. Respondent pays 100 Kwacha; Subsidy is 850       5. Respondent pays 900 Kwacha; Subsidy is 50 Kwacha         a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?         le (0 - 10):	Щ.	ssuing the voucher.			
Kwacha       Kwacha         1. Respondent pays 50 Kwacha; Subsidy is 900       4. Respondent pays 500 Kwacha; Subsidy is 450 Kwacha         2. Respondent pays 100 Kwacha; Subsidy is 850       5. Respondent pays 900 Kwacha; Subsidy is 50 Kwacha         a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?         le (0 - 10):         isse record the voucher ID         isse record the voucher (write in words).         isse record what type of photo identification you noted on the back of the voucher:         1. Voter ID       2. Driver's license         3. Passport       98. Other, specify:         at do you think people should be researching in Malawi?			tent received.	ated on the voucher that the responde	nat amount is indica
Kwacha       Kwacha         2. Respondent pays 100 Kwacha; Subsidy is 850       5. Respondent pays 900 Kwacha; Subsidy is 50 Kwacha         a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?         le (0 - 10):         isse record the voucher ID         isse record the expiry date of the voucher (write in words).         isse record what type of photo identification you noted on the back of the voucher:         1. Voter ID       2. Driver's license         3. Passport       98. Other, specify:	cha; Subsidy is 750		[	nt pays 0 Kwacha; Subsidy is 950	
Kwacha       Kwacha         a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?         le (0 - 10):         isse record the voucher ID:         isse record the voucher ID:         isse record the expiry date of the voucher (write in words).         isse record what type of photo identification you noted on the back of the voucher:         1. Voter ID       2. Driver's license         3. Passport       98. Other, specify:         at do you think people should be researching in Malawi?	cha; Subsidy is 450		L	nt pays 50 Kwacha; Subsidy is 900	
le (0 - 10): see record the voucher ID use record the expiry date of the voucher (write in words) see record what type of photo identification you noted on the back of the voucher:1. Voter ID2. Driver's license3. Passport98. Other, specify: at do you think people should be researching in Malawi?	cha; Subsidy is 50			nt pays 100 Kwacha; Subsidy is 850	
le (0 - 10): see record the voucher ID use record the expiry date of the voucher (write in words) see record what type of photo identification you noted on the back of the voucher:1. Voter ID2. Driver's license3. Passport98. Other, specify: at do you think people should be researching in Malawi?		how hanny are you right now?	baing yany bannyy ba	with 0 haing yang unhanny and 10 h	a a coala from 0 10
ise record the voucher ID  ise record the voucher ID  ise record the expiry date of the voucher (write in words).  ise record what type of photo identification you noted on the back of the voucher:  1. Voter ID  2. Driver's license  3. Passport  98. Other, specify:  at do you think people should be researching in Malawi?		y, now nappy are you right now?	being very nappy, no	o, with o being very unnappy and to be	n a scale nom 0 - 10
ise record the voucher ID  ise record the voucher ID  ise record the expiry date of the voucher (write in words).  ise record what type of photo identification you noted on the back of the voucher:  1. Voter ID  2. Driver's license  3. Passport  98. Other, specify:  at do you think people should be researching in Malawi?					ale /0 101
ise record what type of photo identification you noted on the back of the voucher:           1. Voter ID         2. Driver's license         3. Passport         98. Other, specify.           at do you think people should be researching in Malawi?					sale (0 - 10):
ise record what type of photo identification you noted on the back of the voucher:           1. Voter ID         2. Driver's license         3. Passport         98. Other, specify.           at do you think people should be researching in Malawi?				ucher ID	ease record the you
ise record what type of photo identification you noted on the back of the voucher:           1. Voter ID         2. Driver's license         3. Passport         98. Other, specify:           at do you think people should be researching in Malawi?					
ise record what type of photo identification you noted on the back of the voucher:           1. Voter ID         2. Driver's license         3. Passport         98. Other, specify:           at do you think people should be researching in Malawi?					
ise record what type of photo identification you noted on the back of the voucher:           1. Voter ID         2. Driver's license         3. Passport         98. Other, specify:           at do you think people should be researching in Malawi?					
1. Voter ID     2. Driver's license     3. Passport     98. Other, specify:			ds):	iry date of the voucher (write in words	ease record the exp
1. Voter ID     2. Driver's license     3. Passport     98. Other, specify:					
T. Voter ID     2. Driver's license     3. Passport     98. Other, specify:					
T. Voter ID     2. Driver's license     3. Passport     98. Other, specify:					
at do you think people should be researching in Malawi?		e voucher:	on the back of the voi	pe of photo identification you noted on	ease record what ty
at do you think people should be researching in Malawi?	10442		Las and from the last		
	acify.	rt98. Other, spe	3. Passport	2. Driver's license	1. Voter ID
			2	ople should be researching in Malawi?	hat do you think per
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rent Time:					
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		G. INFO	ORMA	ATION DAY			
ł	Current Time:						
	Interviewer Check: Is this responde	nt assigned to receiv	ving info	rmation? (Check Coversheet) Go to Section H.			
	l Now, read through	the information sc	ript abo	out Male Circumcision.		Î	
	Which one of the following statements  1. I have heard all of this infon  2. I have heard most of this infon	mation before formation before		4. I have heard none of this information before	3	→ [	Go to G.5
	3. I have heard some of this in In what year did you hear this informat Where have you heard this information Read all	ion?					
	A. From a friend or relative in Kawale	1. Yes	0.No	E. On the radio	ľ	1. Yes	0.No
	B. From a friend or relative outside of Kawale	1, Yes	0.No	F, in the newspaper		1. Yes	0.No
	C. At a clinic	1. Yes [	0.No	G. On the internet		]1. Yes 🗌	]0.No
	D. On the television	1. Yes	0.No	H. Other, Specify:		1. Yes	0.No
	How belivable is the information that I1, I believe it without any doub2. It might be true but I'm not o3. I don't think it is true	its				-	
	J. Poort units it be						

188: «188»

IRB Number: «ID»

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O. OFFICE:
Before leaving the household, give the respondent his 200 units of airtime and thank him for his time. After leaving the household please complete the following set of questions. These MUST be completed by you as the interviewer and not asking the respondent himself.
1. No other person was around at ANY point 3. 1 or more people were in hearing range for the DURATION of the interview
2.1 or more people were in hearing range during PART of the interview
0.2 Were there any interruptions during the interview?
0. No 1. Yes
0.3 How well do you know the respondent?
1. Not at all 3. I have heard of him 5. Relative
2. Know his family 4. I know him quite well 99. Other . Specify :
0.4 How wealthy is the individual relative to other individuals in Kawale?
1. Much wealthier than others 3. About equally wealthy 5. Much poorer than others
2. Slightly wealthier than 4. Slightly poorer than others 98. Don't know
others O.5 Was respondent interviewed at his home?
1. Yes 0. No Go to 0.7
0.6 How wealthy is the household relative to other households in Kawale?
1. Much wealthier than others 3. About equally wealthy 5. Much poorer than others
2. Slightly wealthier than 4. Slightly poorer than others 98. Don't know
0.7 How patient was the respondent during the interview?
1. Very impatient 2. Somewhat impatient 3. Somewhat patient 4. Very patient
0.8 Any additional notes/observations you have?
<u></u>
Please remember to fill out the result code on the coversheet
TO BE COMPLETED BY SUPERVISORS AND DATA CAPTURERS:
O 9 Interview Checked by:

188: «188»

0.10 Requires Callback

0.12 Data entered

IRB Number: «ID»

0. No

0. No

1. Yes

1. Yes

0.11 Callback Checked by:

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# Appendix D: Survey instrument: follow-up survey

1

			3IE FOLL	y of Michigan OW-UP SURVEY ondent Pre-edit			
P.1	Respondent Nam (Please include a	e: Il names including nicl		mucht re-cuit			
P.2	Respondent's ID:					1	
P.3	Area ID:		]	P.4 Block ID:			
P.5	Interviewer ID:		כ	P.6 Running Num	ber:		
P.7				need a residential addre thes, schools nearby as			
P.8	GPS Coordinates Longitude (South Latitude (East):		+				
P.9	What hours is he	usually away from ho	me?				
	Mon	Tues	Weds	Thurs	Fri	Sat	Sun
P.10	1. Old tov		· · · · · ·	]5. Biwi triangle ]6. Within Kawale	99. Other. Sp	ecify:	
P.11	Also, what is the	name of the place at v	which he works?	-			
P.12	Does he have a c	ellphone?	for out (If res	ves, what is his number: ill keep this number con ir records or future proje pondent has multiple ph e capture all)	fidential and only use ects.		
	0. No		pleas		10 K.1		
P.13		d name of a member					
	Phone number ar Name:		of the household or a	Got			
P.13 R.1	Phone number ar Name: Is the respondent	available at home no	of the household or a	Go t neighbor on which you o Phone number:			
	Phone number ar Name: Is the respondent 1. Yes - If the respondent	available at home nov RI is not available at pre-	of the household or a w? EAD the CONSENT F sent, please find a nei	Go t neighbor on which you o Phone number: ORM and Go to R.3 ghbour or relative and w	an be reached:	]0. No der of this page.	Please wr
R.1	Phone number ar Name: Is the respondent 1. Yes - If the respondent	available at home not	of the household or a w? EAD the CONSENT F sent, please find a nei the informant to the re	Go t neighbor on which you o Phone number: ORM and Go to R.3 ghbour or relative and w	an be reached:		Please

Respondent ID \_\_\_\_\_

1											
- 5											
		dinates: (These o you are at the ho			e recorde	d if the r	espondent has	s moved o	r the coordina	tes are missing o	n the front
	Longitude				_			-			
	Latitude (E			+		- 16					
5	What hour Mon	s are you (or is h	ie) usually av	S	me? eds	-	Thurs		Fri	Sat	Sun
	MON		les		us	-	muis	-		Jai	oun
	Also, what	City Centre	ne place at w	alo la Njovu Ihich you (o		cs?	in Kawale	r;			
8 [ [	Also, what Do you or 1. 0.	is the name of th does he have a c Yes	ne place at w	hich you (o	b. If We v for o (If re please	cs? <u>yes</u> , wha will keep ur record spondeni se captur	t is his numbe this number c s or future pro has multiple e all)	onfidentia ojects. phone nu to R.10	]		
8 [ 9	Also, what Do you or 1. 0.	is the name of th does he have a c Yes	ne place at w	hich you (o	b. If We v for o (If re please	ves, wha will keep ur record spondeni se captur	t is his numbe this number c s or future pro has multiple e all)	onfidentia ojects. phone nu to R.10	mbers		
8 [ 9	Also, what Do you or 1. 0. <u>If no, plea</u>	is the name of th does he have a c Yes	ne place at w	which you (o	b. If We v for o (If re please	ves, wha will keep ur record spondeni se captur	t is his number this number o s or future pro has multiple e all) Go nusehold or a	onfidentia ojects. phone nu to R.10	mbers		0
8 [ 9	Also, what Do you or 1. 0. <u>If no, plea</u>	is the name of th does he have a c Yes	e number an	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	0
8 [ 9	Also, what Do you or 1: 0. <u>1</u> 1: <u>1:</u> 0. <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u>	is the name of th does he have a c Yes No se record a phon	e number an	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9	Also, what Do you or 1: 0. <u>1</u> 1: <u>1:</u> 0. <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u> <u>1:</u>	is the name of th does he have a o Yes No Se record a phon  Date (DD/M	e number an WYYY)	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9	Also, what Do you or 1. 0. If no. plea Name: A C D E	is the name of th does he have a c Yes No Se record a phon Date (DD/M Date (DD/M Current Time (20 Interviewer N	e number an e number an M/YY) 4hr clock): umber: Vame:	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9	Also, what Do you or 1: 0. 1 <u>If no.</u> plea Name: A C C D E E F.1	is the name of th does he have a c Yes No Se record a phon Date (DD/M Current Time (2 Interviewer N Interviewer N Result (see c	e number an enumber an MYYY) 4hr clock): umber: Vame: codes):	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9	Also, what Do you or 1: 0. 1 <u>If no.</u> plea Name: A C C D E E F.1	is the name of th does he have a c Yes No Se record a phon Date (DD/M Date (DD/M Current Time (20 Interviewer N	e number an enumber an MYYY) 4hr clock): umber: Vame: codes):	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9	Also, what Do you or 1: 0. 1 <u>If no.</u> plea Name: A C C D E E F.1	is the name of th does he have a c Yes No Se record a phon Date (DD/M Current Time (2 Interviewer N Interviewer N Result (see c	e number an enumber an MYYY) 4hr clock): umber: Vame: codes): (, or other):	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	
8 [ 9 10	Also, what Do you or 1. 0. 1 1 0. 1 0 Name: A C C D E F.1 F.2 S	is the name of th does he have a of Yes No Se record a phon Date (DD/M Current Time (2 Interviewer N Interviewer N Interviewer N Interviewer N Specify (if moved Important n oppointment book Time):	e number an wryyy) 4hr clock): umber: Name: codes): 1, or other): otes: ed for (Date,	which you (o	b. <u>If</u> We v for o (If re plear	ves, wha will keep ur record spondeni se captur	t is his number this number c s or future pro has multiple e all) Go nusehold or a number:	onfidentia ojects. phone nu to R.10	mbers ] on which you o	an be reached:	

Respondent ID \_\_\_\_\_

art o	S. Starter of this study is on your background experiences. Just to begin,
1	On a scale from 0 - 10, with 0 being very unhappy and 10 being very happy, how happy are you right now?
	Scale (0 - 10):
144	A. Survey Recall and Information Acquisition
0	Current Time:
1	Do you remember being asked questions early last year (February, March, or April) as part of a survey about male circumcision?
2	1. Yes      0. No  Did you receive a coupon or voucher at the end of the survey?
	I. Yes  O No  Go to A 12
3	What was the voucher for?
4	How much was the voucher worth? Its okay if you don't remember, just tell us your best guess.
	Do not READ out responses 0. 950 MKW subsidy; 1. 900 MKW subsidy; MC 2. 850 MKW subsidy; MC
	MC was free cost 50 MKW cost 100 MKW
	3. 750 MKW subsidy;         4. 450 MKW subsidy;         MC         5. 50 MKW subsidy; MC corr           MC cost 200 MKW         cost 500 MKW         900 MKW
5	How confident/certain are you that you remember this correctly? READ out responses and mark only ONE.
	1. Very confident (Certain)         2. A little confident         3. Not at all confident         4. I'm guessing
5	Has the voucher expired?
	1. Yes 0. No
7	When did the voucher expire?
	A. Year: B. Month (1-12): C. Day (If known): 98: Don't Know
8	What colour was it?
	1, Red 2. Yellow 3. Green 4. White 5. Blue 6. Pink
	98. Don't Know
9	Do you still have the voucher?
	1. Yes 0. No
	A.10a Can I see the voucher? A.11 Why do you not have the voucher?
	Do not READ responses. Mark ALL that apply.  1. Yes 0. No Go to A.12 1. Jused it when I went to BLM for MC
	A.10b If yes, how much was the voucher worth? 2. I gave it to a friend
	0. 950 MKW subsidy; 3. 750 MKW subsidy; MC 3. I lost it
	MC was free costed 200 MKW
	MC was free         costed 200 MKW           1, 900 MKW subsidy;         4, 450 MKW subsidy; MC         4, It expired so I thought it was useless           MC costed 50 MKW         costed 500 MKW         4
	MC was free         costed 200 MKW           1, 900 MKW subsidy;         4, 450 MKW subsidy; MC         4, It expired so I thought it was useless           MC costed 50 MKW         costed 500 MKW         4
12	MC was free     costed 200 MKW       1, 900 MKW subsidy;     4, 450 MKW subsidy; MC       MC costed 50 MKW     450 MKW       2: 850 MKW subsidy; MC     5, 50 MKW subsidy; MC       costed 100 MKW     5, 50 MKW       get 100 MKW     99. Other, Specify:
12	MC was free     costed 200 MKW       1, 900 MKW subsidy;     4, 450 MKW subsidy; MC       MC costed 50 MKW     450 MKW       22. 850 MKW subsidy; MC     5, 50 MKW subsidy; MC       costed 100 MKW     5, 50 MKW
12	MC was free       costed 200 MKW         1. 900 MKW subsidy;       4. 450 MKW subsidy; MC         MC costed 50 MKW       4. 450 MKW         2. 850 MKW subsidy; MC       5. 50 MKW subsidy; MC         costed 100 MKW       5. 50 MKW         Did you receive any money or gifts after being asked questions as part of a survey?         1. Yes       0. No

	1, Yes	0. No
5	If yes, what information? (If respondent says No, then last 12 months.)	ask the respondent what information he has heard or been told about headlice in the
16	During the interview that was conducted last year di HIV?	d you hear about a scientific study that took place in Africa about circumcision and
	1. Yes	0. No
	B. B.	eliefs and Attitudes
ow, .1	I'd like to ask you some questions about your attitud If 100 uncircumcised men each sleep with a women think would get HIV? Number	les and beliefs about circumcision. who is HIV positive last night and did not use a condom, how many of them do you
2	If 100 circumcised men each sleep with a woman who would get HIV? Number	o is HIV positive last night and did not use a condom, how many of them do you thin
3		sed man, an uncircumcised man, or do they face about the same risk?
	Mark only one 1. Circumcised man faces higher risk	3. The face the same risk
	2. Uncircumcised man faces higher risk	98. Don't know
4	Have you ever heard about a <u>scientific study</u> that took	place in Africa about circumcision and HIV?
	1. Yes	0. Ng
5	Do you remember in which countries the study was co Even if you havent hear about such a study, where do READ out responses and mark ALL that apply	nducted? you think that such a scientific study would have taken place.
	A. Egypt 1. Yes 0. No	F Nigeria 1 Yes 0. No
	B. Ethiopia 1. Yes 0. No	G. Senegal 1. Yes 0. No
	C. Ghana 1. Yes 0. No	H. South Africa 11. Yes 0. No
	D. Kenya 1, Yes 0, No	I. Uganda 1. Yes 0, No
•	E. Malawi 1. Yes 0. No	J. Zambia 1. Yes 0. No
.6		uncised man, or uncircumcised man) faces higher risk of contracting HIV?
	Even if you havent heard about such a study, do you to circumcised, or uncircumcised man faces higher risk, or	hink such a scientific study about circumcision and HIV would show that a r would it be the same?
	1. Circumcised man faces higher risk	3. The face the same risk 98. Don't know
	2. Uncircumcised man faces higher risk	99. Study showed something else. Please explain:
.7	Now I would like to talk about some of your opinions al How many people known to you do you suspect have	
	Number	
8	If we took a group of 10 people from this area—just no now have HIV/AIDS?	rmal people who live around youhow many of them do you think would
	Number	

B.9 Now, I am going to ask you some questions about what you might expect to happen in the future. Sometimes the future is difficult to know, but I would like to know your best guess. Do you think that you will live up to:

se jee and the jee that it ap te.	Zaka	Yes	No	Dk	Zaka	Yes	No	Dk	Zaka	Yes	No	Dk
	25	1	0	88	50	1	0	88	75	1	0	88
Interviewer: Start at	30	1	0	88	55	1	0	88	80	1	0	88
Respondents age or 25 and ask	35	1	O	88	60	1	0	88	85	1	0	88
for each age until R answers	40	1	0	88	65	1	0	88	90	1	0	88
No".	40	1	U	60	/0	1	U	00	30	0.	U	60
					<b>7</b> ,2				100	1	0	88

98.1 do not know

B.10 If 100 babies were born today, how many of them do you think would live up to age 75?

Number \_\_\_\_\_

B.11 Think about 10 people in this area who live around you and are the same age as you. How many of them do you think will die before you do?

Number \_\_\_\_\_

#### C. Male Circumcision: General

Now, I am going to ask some questions about male circumcision as well as any experiences you had at the BLM Kawale clinic pertaining to male circumcision. Circumcision is the removal of the foreskin from the penis. This can be conducted in the clinic or traditionally (in the bush). It can be the removal of the entire foreskin or only part of the foreskin. Some people agree with circumcision, some people do not agree with circumcision. It is really a matter of opinion. Please feel free in telling us what you think. We don't mind whether you agree with it or disagree with it, we are just interested to know what YOUR opinion is.

C.1	In the past year, did you at	any point contemplate (think abou	t) getting a male circumcision?	
	1. Yes		0. No	Only if volunteered by respondent. 99.1 got circumcised
C.2	In the past year, did you sp	eak to your partner about MC (V	Mhether or not you got circumcise	4)?
	1 Yes		0. No	99. Don't have a partner
C.3	In the past year, did you sp	eak to any of your friends and/o	or relatives about MC (whether	or not you got circumcised)?
	1. Yes		0. No	
C.4	In the past year, did any of	your male friends or relatives co	ontemplate (think about) getting	a male circumcision?
	1. Yes		0. No	
C.5	Think of all your male friend	is and relatives, how many of ther	n are circumcised?	
	Number:			
C.6	in the past year, how many	y of your male friends or relatives	got circumcised?	
	Number:			
C.7		exual or reproductive health with a	a health care provider?	
0.1	1. Yes	examine reproductive neurin mine	0.No	
C.8	At any time when your parts mother or the pregnancy?	ner was pregnant, did you yoursel	ftalk with a doctor or any other he	alth care provider about the health of the
	1. Yes	0. No		2. No children
		2000 BD		Go to C.10
~ ~	Harris tract managemble areas to be	en one of your children to a health	factility for 1992	5010 4.10
C.9			and the second	
	1. Yes	0. No		2. No children
C.10	the Same Section of the section of t	ntemplate (think about) having	· · · · · · · · · · · · · · · · · · ·	
	1. Inde	0. Ayi	99. Don't have a son or young male relative	Go to C.15
		Respondent ID		

C.11 In the past year,did you have one of your sons (or a young male relative) circumcised?

1, inde	0. Ayi	→ Go to C.15

How many sons and young male relatives did you have circumcised in the past year? C.12

Number:

\_

6

C.13	For each of your sons and young male relatives that you had c	ircumcised in the past year, please could you tell us:
	A. Is this child your son or a male relative?	B. In what year and month did he get C. How old was the child at the time

Child 1	1. Own child 2. Male relative	Year: Month:	Age:
Child 2:	1. Own child 2. Male relative	Year: Month:	Age:
Child 3:	1. Own child 2. Male relative	Year Month:	Age:

	A. Clinic	B. Village:			C. Area/District	
	D Other: //f multiple child	ren were circumcised at diffe	arent locations	nlazca omvida d	etaile)	2
			erem locations	picase pioride a		
		red some information about are services at BLM specifi			Ve'd like to ask you some questi	ons related to you
15					whether or not you ended up vis	iting the clinic for
	1. Yes		0, N	•	Go to C.20	
16	Including all of the times	you were successful and the	ose times you v	vere not successf	ul, how many times did you atten	npt to call?
	Times:					
17	When was the first time y	you called (by phone) BLM a	bout anything	related to Male Ci	reumcision?	
	A. Year	B. Month		98. De	n't know	
	C.17b. Was it early, mide	tle, or late in the month?				
	1. Early	2. Middle		3. Lat	E.	
18	Of these times, how man	y times were you successfu	l in reaching a	BLM staff membe	r or the BLM clinic?	
	Times:					
19	How much airtime total (i that you made?	n kwacha) did you use in att	empting to cor	tact BLM about th	eir MC service over the phone fo	or ALL phone call
	Kwacha:					
20	In the past year, did you successful or if you were		clinic <u>to get m</u>	ore information :	about MC or to attend MC cour	<u>nselling</u> (if you w
	1. Yes				0 No Go to C.23b	
21	When was the first time y MC counselling?	you went to BLM to get info	rmation abou	MC or to try to	attend	
	A. Year	B. Month		98. De	en't know	
	C.21b. Was it early, mide	die, or late in the month?				
	1. Early	2. Middle		3. Lat	2	
22	more information abou counselling (if you were	go to the BLM Kawale clinic tMC or to try to attend MC unsuccessful or if you were	2			
	insuccessful)? Times:				1	

	Including the travelling time to and from the clinic, as well as the waiting time at the BLM Kawale clinic, approximately how long (thinking about all visits) in total in minutes did you spend at the BLM Kawale clinic to get more information about MC or to attend MC counselling?	C.23b Even if you never went to the BLM Kawale clinic, approximately how long do you think it would take in total in minutes if you were to go to the BLM Kawale clinic to get more information about MC or to attend MC counselling (Including travelling time to and from the clinic and waiting time at the clinic)?
	Time (in minutes):	Time (in minutes)
C.24	In the past year, did you ever go to the BLM Kawale clinic to get M	C surgery (even if you were unsuccessful or decided not to have it)?
	1. Yes	0. No
C.25	When was the first time you went to BLM to get Male Circumcision	Surgery?
	A Year B. Month	98. Don't know
	C.25b. Was it early, middle, or late in the month?	
	1. Early 2. Middle	3. Late
C.26	How many times did you go to the BLM Kawale clinice to get <u>MC surgery</u> (even if you were unsuccessful or decided not to have it)?	
	Times	4
C.27a	Including the travelling time to and from the BLM clinic and the waiting time at the BLM Kawale clinic, approximately how long (thinking about all visits) in total in minutes did you spend at the BLM Kawale clinic to get MC surgery?	C.27b Even if you never went to the BLM Kawale clinic, approximately how long do you think it would take in total in minutes if you were to go to the BLM Kawale clinic to get ar <u>MC surgery</u> ? (Including travelling time to and from the clinic
		and waiting time at the clinic)
	Time (in minutes):	and walting time at the clinic) Time (in minutes):
C.28		Time (in minutes):
C.28 C.29	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes): atever reason, whether or not they were successful in making contact)? wing questions - C.15; C.20 and C.24)
	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes - Go to C.30	Time (in minutes): atever reason, whether or not they were successful in making contact)? wing questions - C.15; C.20 and C.24) 0. No
	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes): atever reason, whether or not lhey were successful in making contact)? wing questions - C.15; C.20 and C.24) 0. No
	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):           atever reason, whether or not they were successful in making contact)?           wing questions - C.15; C.20 and C.24)           0. No           1. Yes           1. Yes           1. Yes           1. Yes
	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):           atever reason, whether or not they were successful in making contact)?           wing questions - C.15; C.20 and C.24)           0. No           1. Yes           1. Yes           1. Yes           1. Yes           1. Yes           1. Yes
C.29	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):           atever reason, whether or not they were successful in making contact)?           wing questions - C.15; C.20 and C.24)           0. No           1. Yes           1. Yes           1. Yes           1. Yes           1. Yes           1. Yes
C.29	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):  atever reason, whether or not they were successful in making contact)?  ming questions - C.15; C.20 and C.24)  0. No  in  1. Yes  0. No  1. Yes  0. No  r than BLM to get more information about MC or to attend MC.
C.29 C.30	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):  atever reason, whether or not they were successful in making contact)?  ming questions - C.15; C.20 and C.24)  0. No  in  1. Yes  0. No  1. Yes  0. No  r than BLM to get more information about MC or to attend MC.
C.29 C.30	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes): atever reason, whether or not they were successful in making contact)? wing questions - C.15; C.20 and C.24) 0. No 0. No 1. Yes 0. No 1. Yes 0. No 1. Yes 0. No er than BLM to get more information about MC or to attend MC. 0. No → Go to C.33 
C.29 C.30 C.31	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes): atever reason, whether or not they were successful in making contact)? wing questions - C.15; C.20 and C.24) 0. No 0. No 1. Yes 0. No 1. Yes 0. No 1. Yes 0. No er than BLM to get more information about MC or to attend MC. 0. No → Go to C.33 
C.29 C.30 C.31	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes):         atever reason, whether or not they were successful in making contact)?         wing questions - C.15; C.20 and C.24)         0. No         0. No         1. Yes         0. No         So to C.33
C.29 C.30 C.31 C.32	Interviewer Check: Did respondent ever interact with BLM (for whi (Select "YES" if the respondent answered "YES" to any of the follow 1. Yes	Time (in minutes): atever reason, whether or not they were successful in making contact)? ming questions - C.15; C.20 and C.24) 0. No 1. Yes 0. No 1. Yes 0. No 1. Yes 0. No er than BLM to get more information about MC or to attend MC. 0. No → Go to C.33 mately how long (thinking about all visits) in total in minutes did you counselling?

C.34 Where did you go (If multiple places, please list all places)?

Name of place(s):
C.35 including the travelling and waiting time at this location, approximately how long (thinking about all visits) in total in minutes did you spend there to get MC surgery?
Time (in minutes):

own, I am going to ask you about your circumcision status. Recall circumcision is the renoval of the foreskin for the foreskin is on only part of the foreskin and YOUR actual experiences.         1       Are you circumcised?         1       Are you circumcised?         2       It is quite common for men who get circumcised not to have the whole foreskin removed.         How much of your foreskin was removed.	
2 It is quite common for men who get circumcised not to have the whole foreskin removed   2 It is quite common for men who get circumcised not to have the whole foreskin removed   4 How much of your foreskin was removed:   1 1. The entire foreskin   2 Only foreskin was removed:   2 Colly some of the foreskin   3 What year did you get circumcised?   Y Y   Y Y   98. Don't know   5 Where did you get circumcised?   1. In Lilongwe at a government clinic   3. In Lilongwe at a giv are clinic (Not BLM)   98. Other. Specify:   1. No picture   2. Lon't remember   3. Ubscription:   7   What is the name of the clinic or village where you were circumcised?   Clinic:   Yurat :   Yurat :   How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please give astimate.	oreskin, It is
2 It is quite common for men who get circumcised not to have the whole foreskin removed How much of your foreskin was removed.   1 The entire foreskin 97. Refused   2 Only if volunteered by resident in the time in the whole foreskin was removed.   1 The entire foreskin   97. Refused   2 Only some of the foreskin   3 What year did you get circumcised?   Y Y Y Y   98. Don't know   98. Don't know   Where did you get circumcised?   1. In Lilongwe at a government clinic   3. In Lilongwe at a government clinic (Not BLM)   98. Other. Specify:   1. No picture   2. Uon't remember   3. In Specify:   3. Nullongwe at a private clinic (Not BLM)   98. Other. Specify:   1. No picture   2. Uon't remember   3. Ubscoppton:   7. What is the name of the clinic or village where you were circumcised?   Clinic:   TA/Area :   1. No wouch did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please give estimate.	
<ul> <li>It is quite common for men who get circumcised not to have the whole foreskin removed</li> <li>How much of your foreskin was removed: <ul> <li>1. The entire foreskin</li> <li>2. Only some of the foreskin</li> <li>3. There must be instake, I was similarly year</li> </ul> </li> <li>What year did you get circumcised? <ul> <li>Y</li> <li>Y</li> <li>Y</li> <li>Y</li> <li>Y</li> </ul> </li> <li>What year did you get circumcised? <ul> <li>Y</li> <li>Y</li></ul></li></ul>	3. Don't know
It is quite common for men who get circumcised not to have the whole foreskin removed How much of your foreskin was removed: 1. The entire foreskin	
1. The entire foreskin       97. Refused         2. Only some of the foreskin       5. There must be mistake, 1 was the survey team is mistake.         Y       Y       Y       Y         1. In Lilongwe at a government clinic       2. In Lilongwe at BLM         3. In Lilongwe at a private clinic (Not BLM)       Go to D.7         98. Other, Specify:       2. Don't remember         1. No picture       2. Don't remember         2. Don't remember       3. Description;         TA/ Area ;       District;         How much did you pay for the cincumcision out of pocket for the surgery? Even if yo	
<ul> <li>1. The entire foreskin</li> <li>97. Refused</li> <li>2. Only some of the foreskin</li> <li>3. There must be mistake. I was sim when I was interviyear</li> </ul> Y             Y	
What year did you get circumcised?       mistake. I was circumcised?         Y       Y       Y         Y       Y       Y         98. Don't know       D3b. Please estimate age when you were circumcised:         vvnat montn (1-12) did you get circumcised ?	
Y       Y       Y       P8: Don't know       D3b. Please estimate age when you were circumcised:         vvnat montn (1-12) did you get circumcised ?	cumcised
Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y       Y	All and a second se
98. Don't know         Where did you get circumcised?         1. In Lilongwe at a government clinic         3. In Lilongwe at a private clinic (Not BLM)         98. Other, Specify:         99. Other, Specify:         What is painted on the ceiling of the BLM operating room?         1. No picture         2. Don't remember         3. Description;         What is the name of the clinic or village where you were circumcised?         Clinic:       Village:         TA/ Area :       District:         How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please give estimate.         Kwacha:	
I. No picture       2. Don't remember       3. Description;         What is the name of the clinic or village where you were circumcised?         Clinic:       Village:         TA/ Area :       District:         How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please give estimate.         Kwacha:	
What is the name of the clinic or village where you were circumcised?         Clinic:       Village:         TA/ Area :       District:         How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please giv estimate.         Kwacha:	
Clinic: Village: TA/ Area : District: How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please giv estimate. Kwacha:	
TA/ Area : District: How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please giv estimate. Kwacha:	
How much did you pay for the circumcision out of pocket for the surgery? Even if you cant remember exactly, please giv estimate.	
estimate. Kwacha:	
	e us your best
Here confident/sectors are one that you comerched this econoth?	
How confidence and are you that you remember this correctly	
1 Very confident (Certain) 2. A little confident 3. Not at all confident 4.	I'm guessing

8

0	After receiving the MC surger					
	Ask each question A. Wound still open	1. Yes	0. No	F.Scarring	1. Yes	I. No
	B. Foreskin remaining		0. No	G. Bleeding	[]1_Yes []0	). No
	C. Crust	1. Yes	0. No	H, No complications	1. Yes	). No
	D. Swelling	1. Yes	0. No	I. Other,	1. Yes0	), No
	E. Lacerations	1. Yes	0. No	I,Specify:	-	
0.11	On a scale from 0 - 10 how s		the complications you	experienced were (Think o	f 10 as the most severe/da	ngerous; and
	think of 0 as no complications	5)				
	Scale (0 - 10):					
).12a	Did you receive/buy any med			0.12b. IF yes, how much di pend on medicine?		dicine was it?
	A. BLM	1. Yes_				
	B. Pharmacy or other hospita	11. Yes	0. No> E	3Kwa	cha <b>→</b> B	
0.13	What was the most painful pa	art of the procedure?	2			
					_	
D.14	How many days did it take un	til your penis was co	ompletely healed after b	peing circumcised?		
	Days:					
	the post of the second s					
).15	How many days after the circ	cumcision did you wa	ait until you had sex aft	er circumcision?		
0.15	How many days after the circ	cumcision did you wa		ur e li Tere	lave not had sex since	I
).15	10.050.0	cumcision did you wa	ait until you had sex aft	ur e li Tere	lave not had sex since	J
).15	How many days after the circ	cumcision did you wa		ur e li Tere	lave not had sex since	J
	How many days after the circ		(99, Neve	r had sex 97. H	lave not had sex since	J
	How many days after the cirr Days:		(99, Neve	r had sex 97. H	lave not had sex since	J
	How many days after the cirr Days:		(99, Neve	r had sex 97. H	have not had sex since	J 
).16	How many days after the cirr Days: In what way has sex changed	for you since you g	ot circumcised?	r had sex 97, H 97, H Go to D.19		J =
).16	How many days after the cirr Days: In what way has sex changed  Would you say you enjoy sex	for you since you g	ot circumcised?	r had sex 97. H Go to D.19	d to when you were not circl	
D.16	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more	l for you since you g more, less or about	ot circumcised?	r had sex 97, H Go to D.19 Go to D.19 a are oiroumoised compared ss 3. En	to when you were not circi	e
D.15 D.16 D.17 D.18	How many days after the cirr Days: In what way has sex changed  Would you say you enjoy sex	l for you since you g more, less or about	ot circumcised?	r had sex 97, H Go to D.19 Go to D.19 a are oiroumoised compared ss 3. En	to when you were not circi	e
0.16 0.17	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised?	l for you since you g more, less or about	the same now that you 2. Enjoys sex let s or about the same no	r had sex 97, F Go to D, 19 Go to D, 19 are circumcised compared ss 3. Er w that you are circumcised	d to when you were not circu joys sex the same as befor compared to when you wer	e re not
0.16 0.17	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised?	l for you since you g more, less or about	ot circumcised?	r had sex 97, F Go to D, 19 Go to D, 19 are circumcised compared ss 3. Er w that you are circumcised	to when you were not circi njoys sex the same as befor	e re not
).16 ).17 ).18	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99, No partner	for you since you g more, less or about mjoys sex more, less	the same now that you 2. Enjoys sex les 2. Enjoys sex les 2. Enjoys sex les	r had sex 97, F Go to D, 19 Go to D, 19 are circumcised compared ss 3. Er w that you are circumcised ss 3. Er	d to when you were not circu joys sex the same as befor compared to when you wer	e re not
).16 ).17 ).18	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circ	for you since you g more, less or about mjoys sex more, less	the same now that you 2. Enjoys sex les 3 or about the same no 2. Enjoys sex les 4 or about the same no	r had sex 97, F Go to D, 19 Go to D, 19 are circumcised compared ss 3. Er w that you are circumcised ss 3. Er the stitches removed?	d to when you were not circu joys sex the same as befor compared to when you wer	e re not
0.16 0.17 0.18	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circ Uwys.	I for you since you g more, less or about mjoys sex more, less	the same now that you 2. Enjoys sex les 2. Enjoys sex les 2. Enjoys sex les 2. Enjoys sex les	r had sex 97, F Go to D.19 Go to D.19 u are circumcised compared ss 3. Er w that you are circumcised ss 3. Er the stitches removed?	to when you were not circo joys sex the same as befor compared to when you wer joys sex the same as befor	e re not
0.16 0.17 0.18	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circ Uays.	I for you since you g more, less or about mioys sex more, less umcision did you reb	the same now that you 2. Enjoys sex les 2. Enjoys sex les 2. Enjoys sex les 2. Enjoys sex les	r had sex 97, F Go to D.19 Go to D.19 u are circumcised compared ss 3. Er w that you are circumcised ss 3. Er the stitches removed?	to when you were not circo joys sex the same as befor compared to when you wer joys sex the same as befor	e re not
D.16 D.17 D.18 D.19 D.20	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circu Uays. How much money did you los Wages lost (Amount in Kwac	for you since you g more, less or about mioys sex more, less uncision did you reb e, when you went th ha):	the same now that you 2. Enjoys sex les 3 or about the same no 2. Enjoys sex les 4 or about the same no 4 or about	r had sex 97, F Go to D, 19 Go to D, 10 Go	to when you were not circo joys sex the same as befor compared to when you wer joys sex the same as befor	e re not
0.16 0.17 0.18	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circ Uays. How much money did you los Wages lost (Amount in Kwac Interviewer check: Respon	I for you since you g more, less or about mijoys sex more, less umcision did you ret e, when you went th ha):	the same now that you the same now that you 2. Enjoys sex les a or about the same no 2. Enjoys sex les urn to the clinic to have urn to the clinic to have nough the process of N n status (Refer to que	r had sex 97, F Go to D.19 Go to	d to when you were not circu joys sex the same as befor compared to when you wer joys sex the same as befor t took?	e e not
0.16 0.17 0.18 0.19	How many days after the cirr Days: In what way has sex changed Would you say you enjoy sex 1. Enjoys sex more Would you say your partner e circumcised? 1. Enjoys sex more 99. No partner How many days after the circu Uays. How much money did you los Wages lost (Amount in Kwac	I for you since you g more, less or about mijoys sex more, less umcision did you ret e, when you went th ha):	the same now that you 2. Enjoys sex les 3 or about the same no 2. Enjoys sex les 4 or about the same no 4 or about	r had sex 97, F Go to D, 19 Go to D, 10 Go	to when you were not circo joys sex the same as befor compared to when you wer joys sex the same as befor	e e not

Respondent ID \_\_\_\_\_

	Days:			
24	Do you think you would enjoy sex more	e, less or about the s	ame if you were to become	me circumcised compared to now?
	1. Enjoys sex more	2.	Enjoys sex less	3. Enjoys sex the same as before
25	Do you think your partner would enjoy	sex more, less or ab	out the same if you were	to become circumcised compared to now?
	1. Enjoys sex more	2.	Enjoys sex less	3. Enjoys sex the same as before
6	99. No partner	any days after the cir	cumcision do you think it	would take before your penis would be completely
	healed?			
7	Days:			
	1, Yes		5	0. No
	D.28a Why have you not gotten circu	imcised?	D.28	b Why would you not get circumcised?
	-			
29	How much is the cost of a circumcisio	n at BLM? Even if yo	u do not know, please gi	ve your best estimate.
			u do not know, please gi	ve your best estimate.
	Kwacha: Have you ever heard of BLM giving fr	ee circumcisions?		1260.1790.Laves, 750.7610.0996.11
30	Kwacha: Have you ever heard of BLM giving fro	ee circumcisions?	o, № xual Behavior	
0	Kwacha: Have you ever heard of BLM giving fr	ee circumcisions?	o, № xual Behavior	1260.1790.Laves, 750.7610.0996.11
0	Kwacha: Have you ever heard of BLM giving fr 1. Yes I will not ask about the results. Have y	E. Se:	D. No Xual Behavior	Only if vokinteered by responder 2 I know t'm HIV+
30	Kwacha: Have you ever heard of BLM giving fm 1. Yes I will not ask about the results. Have y 1. Yes	E. Se:	D. No Xual Behavior	Only if vokinteered by responder 2 I know t'm HIV+
30	Kwacha:         Have you ever heard of BLM giving fr         1. Yes         I will not ask about the results. Have you         1. Yes         When was the last time that you had a	ee circumcisions? E. Se; rou ever been tested 0. No	D, No <b>Xual Behavior</b> for HIV? Go to E.4	Only if vokinteered by responder 2 I know t'm HIV+
10	Kwacha:         Have you ever heard of BLM giving fm         1. Yes         I will not ask about the results. Have y         1. Yes         1. Yes         Mhen was the last time that you had a         A. Year	ee circumcisions? E. Se; rou ever been tested 0. No	D, No <b>Xual Behavior</b> for HIV? Go to E.4	Only if vokinteered by responder 2 I know tm HIV+
30 I I	Kwacha:         Have you ever heard of BLM giving fr         1. Yes         I will not ask about the results. Have y         1. Yes         When was the last time that you had a         A. Year         Where were you tested the last time y         Clinic Name/Other VCT center:         am going to ask you about your own	ee circumcisions? E. Se: rou ever been tested 0. No	D. No xual Behavior for HIV? Go to E.4 IV?	Only if volunteered by responder 2.1 know 1m HIV+ 3.1 know 1m HIV-
30 1 2 3	Kwacha:         Have you ever heard of BLM giving find         1. Yes         I will not ask about the results. Have you         1. Yes         When was the last time that you had at         A. Year         Where were you tested the last time you         Clinic Name/Other VCT center:         I and going to ask you about your own ing that might reveal details about you fikelihood, Low Likelihood, Medium Lii	ee circumcisions? E. Se: rou ever been tested 0. No	D. No xual Behavior for HIV? Go to E.4 V? d like to remind you thats. infected with HIV/AIDS i celihood)?	Conty If volunteered by responder     2 I know I'm HIV+     3. I know I'm HIV-     97. Home     97. Home     at I'm not going to ask if you are married, of     now (No     Only If yolunteered by responder
	Kwacha:         Have you ever heard of BLM giving from the second second of BLM giving from the second sec	ee circumcisions? E. Se: iou ever been tested 0. No	D, No xual Behavior for HIV? Go to E.4 V? d like to remind you that rs. infected with HIV/AIDS i kelihood)? iod	Only if volunteered by responder 2 1 know 1m HIV+ 3. 1 know 1m HIV- 97. Home at 1m not going to ask if you are married, or now (No Only if volunteered by responder 5. 1 know 1 am HIV+

	In your opinion, if you learned that you do not have HIV, what is the likelihood (chance) that you will become infected with HIV/AIDS in the future?
	1. No likelihood 3. Medium likelihood 98. Don't Know
	2. Low likelihood 4. High Likelihood
6	Now think about you yourself, do you think you are at higher, lower or equal risk than the average man of becoming infected with HIV/Aids?
	1. I am at higher risk 2. I am at lower risk 3. I am at equal risk 98. Don't Know
7	Some men experience pain during urination, have an unusual discharge from the penis, or have sores in the genital area. During the past 4
	weeks, have you had
	1. Pain during unnation? 1. Yes 0. No 3. Sores in the genital area? 1. Yes 0. No
	2. Unusual discharge from the 1. Yes 0. No penis?
8	When was the last time that you had sex?
	Read out options and mark one           1. In the last week         2. In the last 2 weeks           4. In the last 6 months
	3. In the last month 5. In the last year
	6. Prior to one year ago
	Go to E.13 Go to E.13
9	Thinking about ALL your different partners over the past month In the past week, how many times did you have sex?
	Times'
10	How many of these times did you use a condom?
10	How many of these times did you use a condom? Times:
	Times:
11	Times:
11	Times:
11	Times: Thinking about ALL your different partners over the past month in the past <u>month</u> , how many times did you have sex? Times: How many of these times did you use a condom?
11	Times: Thinking about ALL your different partners over the past month in the past <u>month</u> , how many times did you have sex? Times: How many of these times did you use a condom? Times:
11 12 13	Times: Thinking about ALL your different partners over the past month in the past <u>month</u> , how many times did you have sex? Times: How many of these times did you use a condom? Times: How many different women did you have sex with in the <u>past month</u> ?
11 12 13	Times: Thinking about ALL your different partners over the past month in the past <u>month</u> , how many times did you have sex? Times: How many of these times did you use a condom? Times: How many different women did you have sex with in the <u>past month</u> ? Number:
11 12 13	Times: Thinking about ALL your different partners over the past month in the past <u>month</u> , how many times did you have sex? Times: How many of these times did you use a condom? Times: How many different women did you have sex with in the <u>past month</u> ? Number:
11 12 13	Times:
11 12 13 14	Times:
11 12 13 14	Times:
11 12 13 14 15 16	Times:
.11 .12 .13 .14 .15	Times:
10 .11 .12 .13 .14 .15 .16 .17	Times:   Thinking about ALL your different partners over the past month In the past month, how many times did you have sex?   Times:   How many of these times did you use a condom?   Times:   How many different women did you have sex with in the past month?   Number:   How many different women did you have sex with in the past year?   Number:   Inte last time you had sex, how many minutes did it take before ejaculation?   Minutes:   Inte last time you had sex, did you use a condom?   Winutes:   Inte last time you had sex, did you use a condom?   Minutes:   Inte last time you had sex, did you use a condom?   Minutes:   Inte last time you had sex, did you use a condom?   Minutes:   Inte last time you had sex, did you use a condom?   Minutes:   Inte last time you had sex, did you use a condom?   Minutes:   Inte last time you had sex, did you use a condom?   Inte last time you had sex, did you use a condom?   Inte last time you had sex, did you use a condom?   Inte last time you had sex, did you use a condom?
.11 .12 .13 .14 .15	Times:

	Do you have a condom with yo	im 🗌	2. Yes, but didn't see it	3. No con	dom with me
	(				
.19	READ: People sometimes hav mouth to stimulate his penis. T kuyamwa shada, kunyambita.	'his is also known as kuy	amwa chida cha abambo. Son		
	ve you ever heard	B. Has your best or	C. Have you ever	D. Have you ev	
	al sex, kuyamwa I cha abambo, or	closest male friend ever received oral sex	received oral sex from a woman?	orgasmed from o sex?	ral receiving oral sex?
	f the other terms	from a woman?		222	
	for this?		4		
	1. Yes	1. Yes			Yes
	0. No Go to Section	0. No	0. No Go to S	Section # 0.	No 0. N
			. Economics		
	have a few questions about y			me generating activities.	
1	F.1a in the past year, have you a primary activity or occupation			y months did you do this in t	he past year?
			1.2. 122-1102-114		
	A. Salaried job	1. Yes 0. No	A. Months		
	B. Being a student	1. Yes 0. No	B. Months		
	C. Just Sitting	1. Yes 0. No	C. Months		
	D. Day Labor	1. Yes 0. No	D. Months	÷	
2	Think about all of the work tha How much do you estimate tha			een paid cash or kind.	
	Kwacha				
3	Have you ever worked as an e	numerator/interviewer?			
	1. Yes	0. No	So to F.5		
4	How many times?				
	Times:				
5	Which of the following actions	did you have to complete	as part of the job recruitment	process for your current jo	b or your most recent pa
	work experience? Think about		Carlo Tearrent and a second these varies and a second	Survey Store and State	
		12 CONTRACTOR 10 CONTRACTOR 100			o or your most recent po
	READ out choices				
		te with other applicants	for the position?	0. No	1. Yes
	A Did you have to compe			0. No	
	A Did you have to compe	ete with other applicants test as part of the recrui			1. Yes
	A Did you have to compe B Did you have to take a	te with other applicants test as part of the recrui go an interview?		0. No	1. Yes
6	A Did you have to competence of the competence of the Did you have to take a C Did you have to under the Did you have to u	te with other applicants test as part of the recrui go an interview? (a training? ), how many times have t	tment process?	0. No	1. Yes 1. Yes 1. Yes 1. Yes
6	A         Did you have to competent           B         Did you have to take a           C         Did you have to under           D         Did you have to attend           Thinking about the last 5 years	ete with other applicants test as part of the recrui go an interview? a training? s, how many times have s b)?	tment process?	0. No	1. Yes 1. Yes 1. Yes 1. Yes
.6	A Did you have to competent     B Did you have to take a     C Did you have to under     D Did you have to attend     Thinking about the last 5 years     not successful in getting the jo	ete with other applicants test as part of the recrui go an interview? a training? s, how many times have s b)?	tment process? you attended an interview for a	0. No	1. Yes 1. Yes 1. Yes 1. Yes 1. Yes ws you attended but wer
6	A Did you have to compe B Did you have to take a C Did you have to under D Did you have to attend Thinking about the last 5 years not successful in getting the jo	ete with other applicants test as part of the recrui go an interview? a training? s, how many times have s b)?	tment process? you attended an interview for a ]3. 2 - 5 times		1. Yes 1. Yes 1. Yes 1. Yes 1. Yes ws you attended but wer
6	A Did you have to compe B Did you have to take a C Did you have to under D Did you have to attend Thinking about the last 5 years not successful in getting the jo	ete with other applicants test as part of the recrui go an interview? a training? s, how many times have s b)?	tment process? you attended an interview for a ]3. 2 - 5 times		1. Yes 1. Yes 1. Yes 1. Yes 1. Yes ws you attended but we

	1, Rural (in a village)	2. Peri-urban (at a trad	ng center) 3. Urban (town or city)			
F.8	Between the ages of 10 and 15 years of age in what type of area did you spend most of your time - Rural (in a village); Peri-urban (at a trading center); Urban (in a town or city)?					
	1, Rural (in a village)	2. Peri-urban (at a tradi	ng center) 3, Urban (town or city)			
.9	How many years total have you lived in	Lilongwe city?				
	Number of years:					
		X. Gender Norms	e.			
		nents. Please tell me if you agree, par	ially agree, or disagree with each statement.			
.1	It is the man who decides when to hav	e sex,				
	1. Agree	2. Partially agree	3. Disagree			
.2	There are times when a women deserv	ves to be beaten				
	1. Agree	2. Partially agree	3. Disagree			
(.3	You don't talk about sex, you just do it					
	1. Agree	2. Partially agree	3. Disagree			
.4		th, and feeding the kids are a woman's re				
	1. Agree	2. Partially agree	3. Disagree			
		5 <del>1 11</del> 11				
.5	I would be outraged if my wife asked n					
	1. Agree	2. Partially agree	3. Disagree			
.6	A man should have the final word about	It decisions in his home				
	1. Agree	2. Partially agree	3: Disagree			
.7	It is a woman's responsibility to avoid g	etting pregnant when a pregnancy is not	desired			
	1. Agree	2. Partially agree	3. Disagree			
.8	Women need health services more that	n men				
	1. Agree	2. Partially agree	3. Disagree			
.9	I would feel weak if I asked for help					
	1. Agree	2. Partially agree	3. Disagree			
.10	If a women cnears on a man, it is okay		a. Disagree			
	1. Agree		3. Disagree			
-	Real and the contract of the c	2. Partially agree	J. Disagree			
.11	Men need sex more than women do					
	1. Agree	2. Partially agree	3. Disagree			
.12	A man needs other women, even if this	ngs are fine with his wife				
	1. Agree	2. Partially agree	3. Disagree			
.13	Men are always ready to have sex					
	1. Agree	2. Partially agree	3. Disagree			

Respondent ID \_\_\_\_\_

	Scale (0 - 10)				
X.15	Current Time:				
_	Se	ction G: Con	dom Purc	hases	
G.1	I would now like to give you 30 Kwa		ur time today		
	Please sign here that you have reco	erred this money.			
	Signature:				
G.2	I also have brought with me chisango condoms. They are available for you to purchase for a discounted price. You can purchase a pack for 5 Kwacha, or if you would just like one condom, you may purchase it for 2 Kwacha. I will also record your condom purchase here.				
	Would you like to purchase any cor	doms today?			
		autio today.			
	1. Yes		No	Go to Section O.	
G.3	1. Yes How many condoms would you like	<b></b> 0.	No	Go to Section O	
G.3		0. to purchase?			
	How many condoms would you like	0. to purchase?	. OFFICE	:	
Befor After	How many condoms would you like Number e leaving the household, give the n	to purchase? espondent his allocat plete the following set	. OFFICE ion of airtime a of questions.	:	
Befor After not b	How many condoms would you like Number e leaving the household, give the re leaving the household please comp y asking the respondent himself. Were other persons within hearing 1. No other person was aro	to purchase? espondent his allocation plete the following set range at any time during und at ANY point	. OFFICE ion of airtime a of questions. g the interview?	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview	
Befor After not b	How many condoms would you like Number e leaving the household, give the r leaving the household please comj y asking the respondent himself. Were other persons within hearing	to purchase? espondent his allocation plete the following set range at any time during und at ANY point	. OFFICE ion of airtime a of questions. g the interview?	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview	
Befor After not b	How many condoms would you like Number e leaving the household, give the re leaving the household please comp y asking the respondent himself. Were other persons within hearing 1. No other person was aro	to purchase?	. OFFICE ion of airtime a of questions. g the interview?	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview	
Befor After not b 0.1	How many condoms would you like Number e leaving the household, give the m leaving the household please comy y asking the respondent himself. Were other persons within hearing 1. No other person was aro 2. 1 or more people were in Were there any interruptions during	to purchase? O espondent his allocat plete the following set range at any time during und at ANY point hearing range during F the interview?	• OFFICE ion of airtime a of questions. g the interview?	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview	
Befor After not b 0.1	How many condoms would you like Number e leaving the household, give the m leaving the household please comy y asking the respondent himself. Were other persons within hearing 1. No other person was aro 2. 1 or more people were in Were there any interruptions during	to purchase?  espondent his allocat plete the following set range at any time during und at ANY point hearing range during F the interview? Yes	• OFFICE ion of airtime a of questions. g the interview?	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview view	
Befor After not b 0.1 0.2	How many condoms would you like Number e leaving the household, give the r leaving the household please comy y asking the respondent himself. Were other persons within hearing 1. No other person was aro 2. 1 or more people were in Were there any interruptions during 0. No 1.	to purchase?  espondent his allocat plete the following set range at any time during und at ANY point hearing range during F the interview? Yes	• OFFICE for of airtime a of questions. <sup>•</sup> g the interview? • ART of the inter • If yes, what	nd thank him for his time. These MUST be completed by you as the interviewer a 3. 1 or more people were in hearing range for the DURATION of the interview view	

0.4	How wealthy is the individual relative to other individuals in Kawale?
	1. Much wealthier than others 3. About equally wealthy 5. Much poorer than others
	2. Slightly wealthier than others 4. Slightly poorer than others 98. Don't know
0.5	Was respondent interviewed at his home?
	1 Yes 0. No Go to 0.7
D.6	How wealthy is the household relative to other households in Kawale?
	1. Much wealthier than others 3. About equally wealthy 5. Much poorer than others
	2. Slightly wealthier than others 4. Slightly poorer than others 98. Don't know
0.7	How patient was the respondent during the interview?
	1. Very impatient 2. Somewhat impatient 3. Somewhat patient 4. Very patient
0.8	Any additional notes/observations you have?
	The second s
0.9	Do you think the respondent was truthful about his circumcision status, explain:
	¥1
_	Please remember to fill out the result code on the coversheet
	QUESTIONNAIRE TRACKING - TO BE COMPLETED BY SUPERVISORS:
	O.10 Questionnaire remains with core team 1. Yes 0. No 8 Supervisor:
	0.11 Questionnaire to Kawale tracking team 1. Yes 0. No 8 Supervisor:
	O.12 Questionnaire to tracking team 1, Yes 0. No 8 Supervisor
	O.13 Questionnaire to Qualitative team 1. Yes 0. No 8 Supervisor
	O.14 Questionnaire to Data capture team 1. Yes 0. No 8 Supervisor
TOB	E COMPLETED BY SUPERVISORS: TO BE COMPLETED BY DATA CAPTURERS:
0.15	Interview Checked by 0.18 Data entered 1 Yes 0. No
0.16	Requires Callback 1. Yes 0. No 0.19 Data entered by

# **Appendix E: Power calculations**

From our experience, we expect very low refusal rates in participation. Initially, we had not planned on conducting a follow-up survey and thus did not account for attrition to the follow-up study.

Power calculations were conducted examining one main outcome variable: circumcision at the clinic. Statistical power is a function of the expected effect size, the level of significance desired and sample size (Kish 1965; Cohen 1977). In health research, standardised effect sizes of approximately 0.20–0.30 are considered worth detecting. With one site in Malawi with 1,600 men, we would be able to detect minimum effect sizes of 0.16 for the effect of information. Testing across voucher amounts between the lowest and highest two amounts consists of a sample size of approximately 900 men; this yields a minimum detectable effect size of 0.21 with 90 per cent power.



### Figure 6 Power calculation for different sample sizes

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Qualitative research about male decisionmaking showed that social networks play an important role in deciding to have a circumcision, and that men take time to gather information before making their decision. Significant demand-generation efforts are needed for this HIV prevention strategy to be effective.

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