

# Assessment of access and utilization of Adolescent and Youth Sexual and Reproductive Health services in Western Ethiopia

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## Research

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# Abstract

## Background

Despite Ethiopia's enormous effort in youth-friendly service provision, little was investigated about the challenges of accessing sexual and reproductive health services in Western Ethiopia. Thus, this study aimed to assess access and utilization of adolescent and youth sexual and reproductive health services in this area.

## Methods

A community-based cross-sectional quantitative method mixed with the qualitative inquiry was conducted among 771 adolescents and youths aged 15 to 24 years from February 1 to 28, 2020. Data were collected through face to face interview using pretested structured questionnaires. Data were entered using EPI-INFO version 7.0 and analyzed by SPSS version 25. Descriptive analysis and logistic regressions were performed. The adjusted odds ratio with a 95% confidence interval was used and statistical significance was declared at P-value < 0.05. The qualitative inquiry was collected through in-depth interviews with service providers, focus group discussions, and observation checklists of service units in the study facilities.

## Results

The mean age of participants was 18.99 years (SD ± 2.49). Two hundred seventeen (28.1%) of participants reported that they have ever heard about adolescents and youths' reproductive health services. Only 66 (8.6%) have ever visited health facilities for sexual and reproductive health (SRH) services. Factors associated with the utilization of sexual and reproductive health service were age from 15 to 19 years (AOR = 0.36;95%CI:0.17,0.76), history of having sexual intercourse(AOR = 5.34;95%CI: 2.53,11.23), ever heard about sexual reproductive health service (AOR = 11.33; 95%CI: 5.59, 22.96), and visited a health facility for other health services (AOR = 5.12; 95%CI:1.72,15.24).

## Conclusion

Sexual and reproductive health service utilization among adolescents and youths was found to be low. The factors associated with adolescents' and youths' sexual and reproductive health services utilization were age, history of ever having sexual intercourse, ever heard about SRH services, and visit of health facility for other services. Therefore, it is better if the concerned bodies work on improving awareness of adolescents and youths towards SRH services and integrating these services into other routine services.

## Plain English Summary

**Background:** Ethiopia is showing its enormous effort to improve the utilization of sexual and reproductive health services by adolescents and youths. But different factors are affecting it. This paper explains how many adolescents and youths are using sexual and reproductive health services and the factors affecting their utilization.

**Methods:** We interviewed 771 adolescents and youths aged 15 to 24 years in western Ethiopia. We asked them about the awareness and utilization of adolescents' and youths' sexual reproductive health services and the factors affecting their utilization.

**Results:** seven hundred seventy-one adolescents and youths were interviewed. Two hundred seventeen (28.1%) and 66 (8.6%) of them heard about and utilized adolescents' and youths' reproductive health services respectively. Those adolescents and youths who heard about sexual and reproductive health service practiced sexual intercourse and visited a health facility for other health services used sexual and reproductive health service more frequently.

**Conclusion:** Adolescents and youths who were using Sexual and reproductive health services were not many. Therefore, it better if the concerned bodies work on improving awareness and utilization of adolescents' and youths' sexual and reproductive health services.

## Introduction

The world today is home to the largest generation of young people in history, 1.8 billion. Close to 90 percent of them live in developing countries [1]. The World Health Organization (WHO) defines adolescents as those between 10 and 19 years of age & youth is a person between 15 up to 24 years of age. [2]. Adolescence is a period of transition between childhood & adulthood during which some adolescents assume adult behaviors by engaging in sexual activity at an early age [3]. However, the majority of them engage in unsafe sex practice [4, 5].

The concern about adolescent sexual and reproductive health (ASRH) had grown following reports that sexual activity, early pregnancies, and sexually transmitted infections (STIs) including human immune deficiency virus (HIV) infection rates were increasing at unprecedented rates among adolescents [6, 7]. Youths are usually mistakenly perceived as healthy and as if they do not need special health services [8, 9].

The 1994 International Conference on Population Development (ICPD) in Cairo, Egypt, recognized adolescent-friendly reproductive health services (AFRHS) as an appropriate and effective strategy to address the sexual and reproductive health (SRH) needs of adolescents [10]. Ensuring universal access to quality services, free of discrimination, coercion, or violence, has been a core aim of the SRHR community since 1994 and is seen as an essential aspect of reproductive rights [11].

Youth-friendly service delivery is about providing services based on a comprehensive understanding of what young people in that particular society or community want, rather than being based only on what

providers believe they need. It is also based on an understanding of, and respect for, the realities of young people's diverse sexual and reproductive lives. A necessary part of youth-friendly service provision, therefore, is awareness among the providers of the special difficulties that young people face in accessing sexual and reproductive health services. For example, inconvenient hours, legal and policy hurdles, concerns about confidentiality, fear of discrimination (in particular among sexually active girls), being treated with disrespect and high costs are among the factors that can inhibit young people's ability to access services [12, 13, 14].

There are barriers that adolescents and youths face in obtaining the health services they need. These factors are related to the client, provider, and health delivery system (5, 15,16,17).

Ethiopia is striving to meet the SRH needs and rights of the country's largely underserved adolescent and youth population. Despite the interest in youth-friendly service provision, little researches investigated universal access to sexual and reproductive services among local youths and the attitude of providers across local facilities. Therefore, this study aimed to assess challenges in universal access to adolescent and youth sexual and reproductive health services in western Ethiopia.

## **Methods**

### **Study area and setting**

The study was conducted in the East Wollega zone of Oromia regional state, Western Ethiopia.

East Wollega is found in the west part of the Oromia regional state. Administratively, it is organized into 18 Woredas, 43 towns, and 287 rural kebeles. According to the Central Statistic Agency 2007 report, the total population was estimated to be 1.5 million. Nekemte, which is 331 km far from the capital city of the country, Addis Ababa, is the capital city of East Wollega. The study was conducted from February 1 to 28, 2020.

### **Study Design**

A Cross-sectional quantitative method mixed with the qualitative inquiry was employed

### **Source population**

Adolescents and Youths aged 15 to 24 years who were living in the East Wollega zone.

### **Study population**

Adolescents and youths living in the selected districts during the study period. Secondary respondents were service providers.

### **Sample size determination**

Single population proportion formula was used to calculate the sample size with the following assumption. The proportion of adolescents who utilized adolescent and youth-friendly services which were 63.8% was taken [18]. The marginal error of 5%, design effect 2, and 95% confidence level. After adding a 10% non-response rate, the final sample size was 781.

Four focus group discussions (FGDs) and five in-depth interviews were undertaken considering the saturation of the information. The qualitative data were collected allowing for the incoming data to adequately answer the research questions and the specific study objectives. Adolescent and youth sexual and reproductive health service providers and facilities' heads were purposively selected for in-depth interviews. FGD participants were purposively selected adolescents and youths who were exposed & never exposed to the AYSRH service. A checklist was also used among the facilities which deliver the service to check if they were providing the services as per the standard.

## **Sampling procedures**

A multistage sampling technique was used in this research. We listed all the districts in East Wollega. Then, seven districts were selected by lottery method. After that, the districts were further stratified by rural & urban kebeles to ensure representativeness of the study population. Kebeles were sub-divided by predetermined zones from which one zone was randomly selected. Then, a list of households (HHs) in the selected zones was obtained from the kebele. Health extension workers of the respective kebeles were contacted to identify the HHs where the target age groups were found. Finally, the required number of participants were interviewed from randomly selected households.

For the qualitative data collection, those health centers serving the study kebeles were considered. Observation of purposely selected health facilities and in-depth interviews with direct service providers were conducted. In the next step, local youths were purposively selected for focus group discussions.

## **Study variables**

### **Data collection procedure**

Data were collected by 16 data collectors who know Afan Oromo and local adolescents' and youths' context. The quantitative data were collected through interviewer-administered interviews using adopted questionnaires from reviewed literature on adolescent and youth sexual and reproductive health services. Research assistants for the qualitative inquiry were recruited based on their experience in the qualitative study and knowledge of the research topic. With consent from the participants, all responses in in-depth interviews and focus group discussions were tape-recorded and notes were also taken during the interview. All the interviews were moderated by trained research assistants. Open-ended semi-structured questions were used to initiate the interview and discussions.

### **Data processing and analysis**

The data were checked, entered, and cleaned using EPI-INFO version 7.0 and then exported to Statistical Package for Social Sciences (SPSS) software package version 23 for analysis. Using the odds ratio (OR)

with a 95 % limit of the confidence interval, the association of dependent and independent variables was identified, and their degree of association was computed. Potential confounding variables were controlled by using multiple logistic regression. Frequency count, percentages, and OR interpretation were done during result write up and data presentation.

The transcripts and English translated in-depth interviews were analyzed using qualitative data analysis. Additionally, in-depth interviews with participants' views that illustrate key concepts were used directly during analysis. Finally, qualitative findings were triangulated with the quantitative findings.

## **Data quality assurance**

The training was given to the research assistants on the objective of the study, how to conduct interviews, and focus group discussions. Then the questionnaire, and FGDs, and in-depth interviews' topic guides were pre-tested and necessary amendments were made based on experience from the field pretest. The data collection was daily monitored for completeness. Research assistants were monitoring the interviews to ensure that it focuses on the topic and objective of the study. Qualitative interviews were undertaken in Afan Oromo which was translated to English daily after the transcript was written.

## **Results**

### **Sociodemographic characteristics of study participants**

In this study, 771 adolescents and youths were participated making a response rate of 98.7%. The majority, 468 (60.7%), of the participants were males. The mean age of participants was 18.99 (SD  $\pm$  2.49) with more than half 456 (59.1%) belonging to the age group of 15–19 years. Three hundred eighty-six (50.1%) of the participants were rural residents. Almost all of the participants were from Oromo ethnic group 750(97.3%) and were single 758(98.3%). About seven in ten 542(70.3%) of participants reported that they were in school. The majority, 413 (53.6%), of participants attended grade 9–12. Only 7 (0.9%) of participants never attended school. Nearly two-thirds of 505(65.5%) of the youths were students followed by private employees 127(16.5) and not employed/have no job 125(16.2%). On the other hand, this study depicts that a significant number of the respondent's parents, 250 (32.4%) of their fathers and 428 (55.5%) of their mothers can not read and write(Table 1).

Table 1  
Socio-demographic characteristics of study participants, East Wollega, 2020

<b>Characteristics</b>		<b>Frequency</b>	<b>Percentage</b>
<b>Sex</b>	Male	468	60.7
	Female	303	39.3
<b>Age</b>	15–19	456	59.1
	20–24	315	40.9
<b>Rsesidence</b>	Urban	385	49.9
	Rural	386	50.1
<b>Religion</b>	Protestant	531	68.9
	Orthodox	206	26.7
	Muslim	33	4.3
	others	1	0.1
<b>Marital status</b>	Single	758	98.3
	Widowed	5	0.6
	Separated	8	1
<b>Ethnicity</b>	Oromo	750	97.3
	Amhara	19	2.5
	Tigre	1	0.1
	others	1	0.1
<b>Youth Education</b>	out of school	124	16.1
	In school	542	70.3
	Completed	105	13.6
<b>Highest education attained</b>	Never attended	7	0.9
	Grade 1–4	39	5.1
	Grade 5–8	184	23.9
	Grade 9–12	413	53.6
	College & above	128	16.6
<b>Father education</b>	Can't read & write	250	32.4

<b>Characteristics</b>	<b>Frequency</b>	<b>Percentage</b>	
	Read & write	208	27
	Grade 1–4	54	7
	Grade 5–8	78	10.1
	Grade 9–12	82	10.6
	College & above	99	12.8
<b>Mother's education</b>	Can't read & write	428	55.5
	Read & write	171	22.2
	Grade 1–4	37	4.8
	Grade 5–8	68	8.8
	Grade 9–12	36	4.7
	College & above	31	4
<b>Youth Employee</b>	Gov't employee	12	1.6
	NGO employee	2	0.3
	Not employed/No job	125	16.2
	Private Job	127	16.5
	Student	505	65.5
<b>Father Occupation</b>	Farmer	505	65.5
	Government employee	123	16
	Merchant	82	10.6
	Bartender/waiter	6	0.8
	Daily Labour	40	5.2
	Others	15	1.9
<b>Mother's Occupation</b>	House wife	576	74.7
	Government employee	42	5.4
	Merchant	64	8.3
	Private Job	2	0.3
	Student	3	0.4
	Local drink seller	8	1

Characteristics	Frequency	Percentage
Daily Labour	14	1.8
House Servant	61	7.9
others	1	0.1
<b>With whom they Live</b>		
Both parents	535	69.4
Father Only	12	1.6
Mother only	57	7.4
Spouses	42	5.4
Relatives	55	7.1
Friendship/peers	29	3.8
others	41	5.3

### **Reproductive characteristics of study participants**

Out of the total adolescents and youths interviewed, 494 (64.1%) had a boy or girlfriend. Two hundred nineteen (28.4%) of participants had a history of sexual intercourse, out of which 174 (79.5%) had practiced sexual intercourse in the last 12 months. The mean age at first sex was 18.06 (SD  $\pm$  2.031) years. It was found that 18 (5.9%) female participants from the total interviewed females had a history of abortion. Concerning the history of health facility visits, of the total interviewed youths, 465 (60.31%) had ever visited a health facility for any type of services.

### **Awareness & utilization of Adolescents & Youths Sexual Reproductive Health (AYSRH )services**

Out of the total participants who had visited health facilities for any type of service, 50(10.32%) had ever seen adolescent and youth SRH services. From the total youths interviewed, more than one-fourth, 217 (28.1%) had heard about AYSRH services. Schools were the major source of information, 47 (67.74%) (Fig. 1). Among all participants who heard about AYSRH services, 99.08% and 79.27% of them got information about counseling and testing for HIV/AIDS, and contraception respectively

Of the total participants, 66 (8.6%) had ever visited health facilities for adolescent and youth sexual and reproductive health services. This accounted for 30.41% of those who heard about AYSRH services (Fig. 2). Concerning the type of services ever used, the result showed that the majority, 43 (65.15%), of the participants had counseling and testing for HIV followed by contraception.

The study also found that majority, 54 (81.82%) of the adolescents and youths who used the service had visited for the service during working hours (Fig. 3).

### **Factors affecting adolescents and youths from accessing AYSRH services**

In bivariate analysis, utilization of sexual and reproductive health services was significantly associated with variables like the educational status of participants, age of participants, having a boy or girlfriend, history of sexual practice, history of having a friend who has ever been pregnant, ever heard of adolescent and youths sexual and reproductive health services, ever visit the facilities for any other services and presence of parent-adolescent discussion about AYSRH services. After adjusting for confounding factors in the multivariate analysis, factors that were significantly associated with utilization of sexual and reproductive health service utilization were the age of participants, history of having sexual practice, ever heard of sexual and reproductive health services, and ever visited health facilities for any other types of services(Table 2).

Table 2

Multi variable analysis results for factors affecting AYSRH service utilization, east Wollega 2020

Independent Variables		Ever used AYSRH services		Crude Odds Ratio with 95% CI	AOR with 95% CI
		Yes	No		
Educational status of participants	Below high school	12	218	0.055	
	High school and above	54	487	2.014 (1.056, 3.842)	1.229 (0.482, 3.137)
Age of participants	15–19 years	19	437	4.034 (2.318, 7.020)	<b>0.36 (0.174, 0.761)*</b>
	20–24 years	47	268	0.043	
Current School enrollment	Completed	14	91		
	In school	41	501	0.532 (0.279, 1.015)	1.989 (0.688, 5.754)
	Out of school	11	113	0.633 (0.274, 1.461)	0.679 (0.208, 2.222)
Participant mothers' educational level	No formal education	46	553	0.632 (0.363, 1.101)	0.894 (0.446, 1.792)
	Formal education	20	152	0.132	
Having boy/girl friends	Yes	57	437	3.884 (1.892, 7.974)	1.219 (0.508, 2.926)
	No	9	268	0.034	
History of ever sex	Yes	47	172	7.666 (4.379, 13.418)	<b>5.328 (2.528, 11.228)*</b>
	No	19	533	0.036	
Friend ever been pregnancy	Yes (Constant)	26	108	0.241	
	No	40	597	0.278 (0.163, 0.475)	0.964 (0.493, 1.885)
Ever heard of AYFS	Yes	53	164	13.449 (7.154, 25.284)	<b>11.328 (5.590, 22.955)*</b>
	No	13	541	0.024	
Ever Visit for any service	Yes	53	164	11.615 (4.180, 32.278)	<b>5.116 (1.718, 15.235)*</b>
<b>*Significant Association</b>					

	No	13	541	0.013	
Parent adolescent discussion	Yes	20	100	2.630 (1.494, 4.633)	1.112 (0.552, 2.241)
	No	46	605	0.076	
<b>*Significant Association</b>					

Participants aged between 15 to 19 years were around 64% less likely to use AYSRH services compared to those aged between 20 to 24 years [AOR = 0.36;95%CI:0.17,0.76]. This was supported by the qualitative finding which explored that those who usually use the service were in their 20's to 30s most of whom were engaged.

Participants who had ever had sexual intercourse were more than 5 times likely to use the services compared to those who never started sexual intercourse [AOR = 5.33; 95%CI: 2.53, 11.23]. The qualitative findings also in line with this finding. For example, one key informant was asked about the most frequently used services in his facility and said, *“Both males and females always come after practicing unprotected sexual intercourse. Males come for condoms, and HIV testing and counseling while females come for pregnancy tests once they noticed missed menstrual cycle.”*

Participants who had ever heard about AYSRH services were more than 11 times likely to use the services compared to those who never heard about it [AOR = 11.33; 95%CI:5.59, 22.96]. Besides, participants who had ever visited health facilities for any health services had used AYSRH services 5 times more likely compared to participants who had never visited health facilities for any service [AOR = 5.12; 95%CI:1.72, 15.24]. It was also explored in an in-depth interview that the youths who utilize the services are usually not exclusively coming for AYSRH service, rather they come for other services.

However, factors like participants' schooling status, family educational status, having a boy or girlfriend, and parent-adolescent discussion were not independently associated with utilization of AYSRH (Table 2).

## Discussion

This study had assessed access and utilization of adolescents' and youths' sexual and reproductive health services and related challenges. Information about sexual and reproductive health services is a precondition for adolescent and youth sexual and reproductive health (AYSRH) service utilization (17). In this study, 28.1% were reported to have heard about adolescents' and youths' sexual and reproductive health (AYSRH) services. This finding is lower than studies conducted in Pakistan,Labore (52%) [19], Nigeria,Lagos (82%) [20], Northwest Ethiopia (89.4%) [21], Southern Ethiopia (96.1%) [22],and Eastern Ethiopia (72.4 %) [23]. This difference might be explained by, in this study, the inclusion of a greater number of participants from rural areas and out of schools where there is no access to information.

In this study, the majority of the participants reported that schools were the major source of information about AYSRH services. Similarly, a study conducted in Eastern Ethiopia among youths indicated that the

main source of information on AYSRH were school teachers (31.5 %) [23]. But, other studies conducted in other countries like Nigeria, Lagos (45.7%), and Pakistan, Lahore (71%) revealed that the main source of information about adolescents and youths reproductive health services were friends [19, 20]. Mass media were the main source of information in south Ethiopia [22] and another study in Nigeria[24]. This difference might be a result of school-based AYSRH education campaign activities by health professionals in the current study areas.

In this study, 219 (28.4%) of the study participants ever had sexual intercourse. This is similar to a study conducted in Osun in Nigeria where 25.5% of adolescents had experienced sexual intercourse [24]. However, the finding in the current study is lower than that of study in Southern Ethiopia (39.5%) and North West Ethiopia (63.5%) [22, 25]. The observed difference might be attributed to the narrow geographical coverage in later studies than this study.

Utilization of AYSRH services was very low in the current study. Only 66 (8.6%) had ever visited health facilities for AYSRH services. This finding is lower than findings of similar studies conducted in Ethiopia among youths (63.8 %) in Eastern Ethiopia [6], high school students in Bahirdar town (32%) [26]], and adolescents in Debrebirhan town (33.8%) [27] and Northwest Ethiopia (18.4%) [25]. The finding is also lower than reports from studies conducted among youths aged between 15 and 24 years in Myanmar (67%) [28] and Makassar Indonesia (24.3%) [29]. The difference might be attributed to, in this study, the inclusion of a large number of participants from rural areas where access to information and health facility is limited

In this study, the common AYSRH services adolescents and youths were using were HIV counseling & testing (65.15%) and contraceptives(40.91%). Similarly, more than half (60.57%) of youths in Northwest Ethiopia had used HIV counseling and testing [25]. Youths in Debrebirhan used HIV counseling and testing service(43.6%) followed by AYSRH information and education services (23.7%) [27]. A study in Myanmar among sub-urban youths aged between 15 and 24 years also showed family planning (70%) to be the most utilized service [28]. In the current study, utilization of other sexual and reproductive health services was low. Therefore, the focus should be given to improve access and utilization of AYSRH services in the study areas.

In this study, not all participants had received the services they need at the initial visit. It was found that 48 (72.73%) had received the services on the same day of their visit. However, a study conducted in Southern Ethiopia showed 95% of the youths who came to health facilities, received all services they need on the day of their visit [25]. This might be attributed to the differences in readiness of health facilities in terms of logistics, human power, and commitment of facility leaders. Study. The other possible explanation could be due to the work overload of care providers and the erratic supply of services in the current study as explained in the in-depth interview. For example, one male provider explained as “My work here is an additional job. I am primarily working in the expanded program for immunization (EPI) room where it has to be open always. When youths come for the service, I will ask them if their case is sensitive and will serve them at the EPI. Otherwise, I will either appoint on another day or refer them.”

This study showed that only 120(15.6%) of adolescents and youths reported that they had discussed at least one AYSRH topic with their family. This is lower compared to the studies conducted in Mecha District [25] and Awebal district (25.3%) [31] of Northwestern Ethiopia where respondents had a discussion on SRH issues with their families 32% and 25.5% respectively. The difference might be because the current study involved more participants from rural areas who are less encouraged to discuss SRH issues due to conservative cultural and religious practices than participants in later studies. Because societal norms like taboos of discussing sexuality with children are highly valued in rural communities.

Adolescents and youths Sexual and reproductive health services utilization were affected by different factors [17]. The current study identified factors like the previous history of sexual intercourse, age of participants, information about sexual and reproductive health services, and history of visiting health facilities for other services. Study participants who had ever had sexual intercourse were more than 5 times likely to use the services compared to those who never experienced sexual intercourse. This could be due to a difference in risk perception. Adolescents and youths who had sexual intercourse might relatively have a high level of risk perception for sexual and reproductive health-related than those who abstain. The same finding was also from similar studies conducted in Ethiopia [5, 17].

In this study, participants aged 15 to 19 years were 64% less likely to use adolescents and youths' sexual and reproductive health services compared to those aged from 20 to 24 years. This might be explained as those participants greater than 20 might be those who already engage in sexual intercourse as the median age at first sexual intercourse was found to be 18 years. This finding is consistent with a study conducted in Southern Ethiopia, Bale [29] and Northwest Ethiopia, Bahirdar [62] were those aged 20 to 24 used youth-friendly service more likely than those aged 15 to 19 years.

The participants who have ever had sexual intercourse practice were more than 5 times likely to use AYSRH services compared to those who did not practice it. This might be because those with experience of sexual intercourse might visit the health facilities either to get condoms, contraception, and HIV/AIDS counseling and testing or to get some interventions like abortion services when they experience negative consequences from unprotected sexual practice. This finding is in line with other similar studies conducted in Ethiopia [29, 30, 56] were sexually active youths were more likely to use the youth-friendly services.

In this study, participants who have ever heard about SRH services had used the service more than 11 times likely compared to those who never heard about it. It is consistent with studies conducted in Mandalay city, Myanmar[60], in Indonesia, Makassar [61], in Nigeria, Lagos [58], and Eastern Ethiopia, Harar [47] which indicated that those who heard about the service were more likely to use the youth health service than those who never heard. This indicates raising awareness on SRH and the services improve utilization of AYSRH services.

Participants who have ever visited health facilities for any type of health services had used the SRH service 5 times more likely compared to the youths who have never visited facilities for any service. This

might be due to those who came to health facilities for other services might hear the presence of AYSRH services from health professionals. Thus, integrating AYSRH services to other services in health facilities could improve its utilization.

## **Conclusions**

Sexual and reproductive health service utilization among adolescents and youths was found to be very low. The factors associated with adolescents' and youths' sexual and reproductive health services utilization were age, history of ever having sexual intercourse, ever heard about SRH services, and visit of health facility for other services. Therefore, it is better if the concerned bodies work on improving awareness of adolescents and youths towards SRH services and integrating these services into other routine services.

## **Abbreviations**

AIDS: Acquired Immunodeficiency Syndrome, AFRHS: Adolescent Friendly Reproductive Health Services, ART: Anti-retroviral therapy, AYFS: Adolescent and Youth Friendly Services, CAC: Comprehensive Abortion Care, FGDs: Focus Group Discussions, HIV: Human Immune Virus, ICPD: International Conference for Population Development, IEC: Information Education and Communication materials, MSIE: Marie Stopes International Ethiopia, OR: Odds Ratio, QDA: Qualitative Data Analysis, SPSS: Statistical package for the scientific solution, SRH: Sexual and Reproductive Health, STIs: Sexually Transmitted Infections, SRHR: Sexual and Reproductive Health Rights, SRHCS: Sexual and Reproductive Healthcare Services, TB: Tuberculosis, UNFPA: United Nations Fund for Population Activities, UNICEF: United Nations Children's Fund and WHO: World Health Organization

## **Declarations**

### **Ethical Considerations**

Ethical clearance was obtained from the Research Ethics Committee of the Institute of Health Sciences, Wollega University before data collection is initiated. Then, a support letter was written to the study zones for the necessary supports within different districts and facilities in the zone. Written consent was taken from each eligible study participant. The study subjects were informed that the study would not have any risks. Also, the objectives and benefits of the study were explained to them. Identifying information was not included in the questionnaire to ensure privacy and confidentiality. The right of an individual not to participate in the study were also respected. The filled questionnaire, note taken and recorded audio was kept confidential in a locked place.

### **Consent for publication**

Not applicable.

## Availability of data and materials

The data sets used and analyzed during the current study are available from the corresponding author on reasonable request.

## Competing interest

The authors declare that they have no competing interests.

## Funding

Marie Stopes International Ethiopia was the funding source.

## Authors' contributions

**TT** was involved in Conceptualization, Data curation, Funding acquisition, Investigation, Methodology, Project administration, Supervision, Writing – original draft, and Writing – review & editing

**AS** was involved in Conceptualization, Data curation, Funding acquisition, Methodology, Supervision, and Writing – review & editing

**TTB&MG** were involved in Conceptualization, Formal analysis, Investigation, Methodology, Resources, Software, Writing – original draft, and Writing – review & editing

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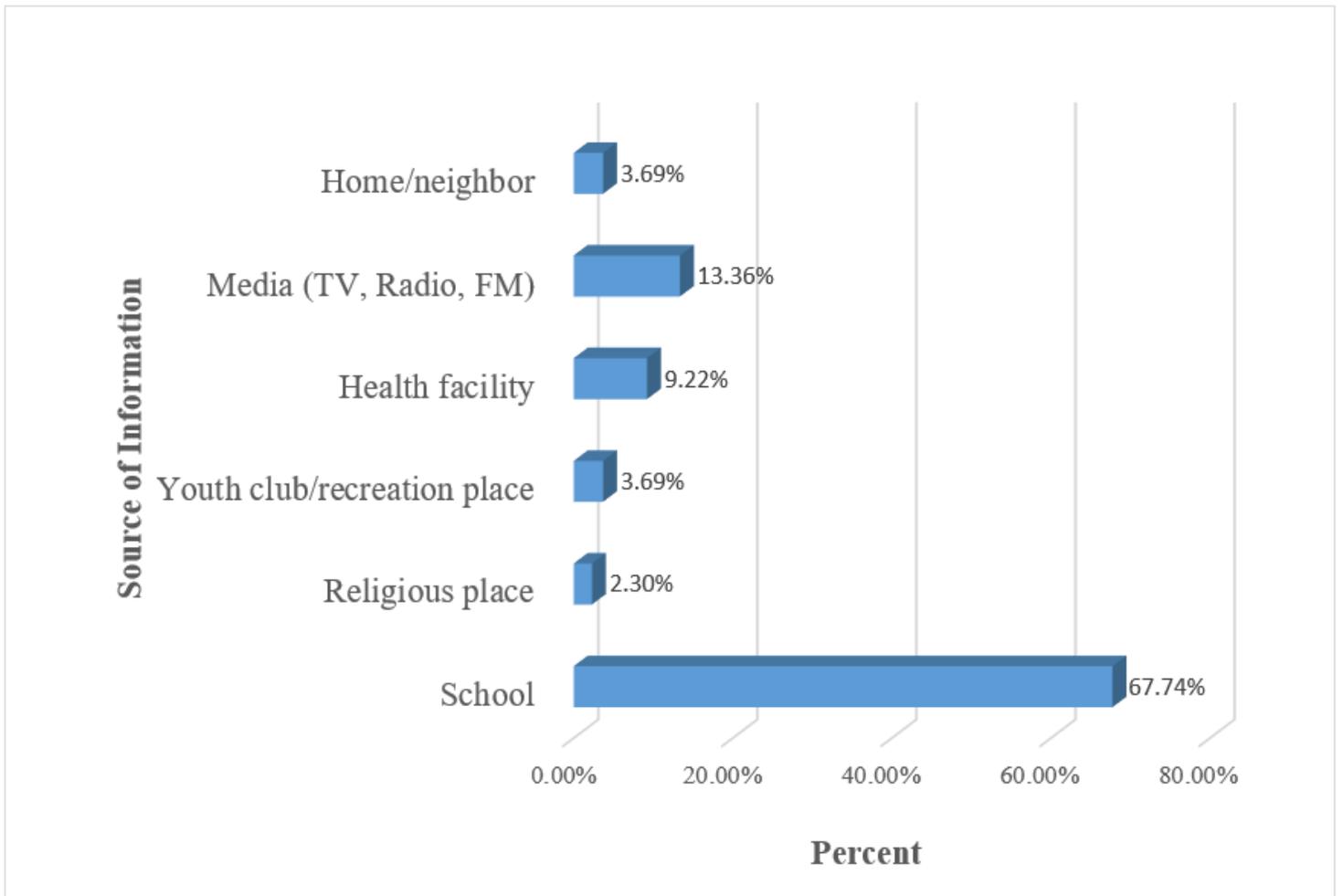
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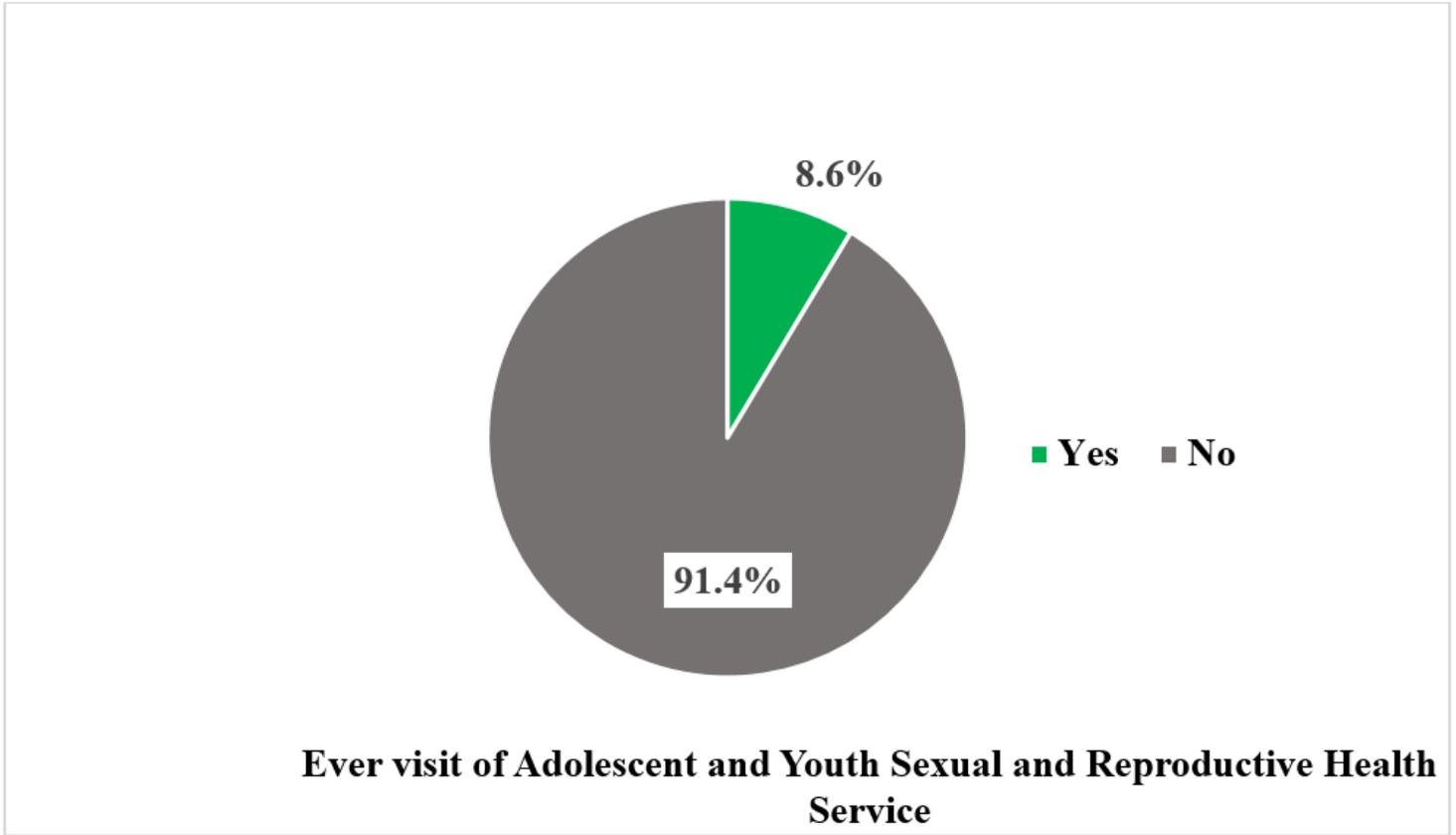
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## Figures



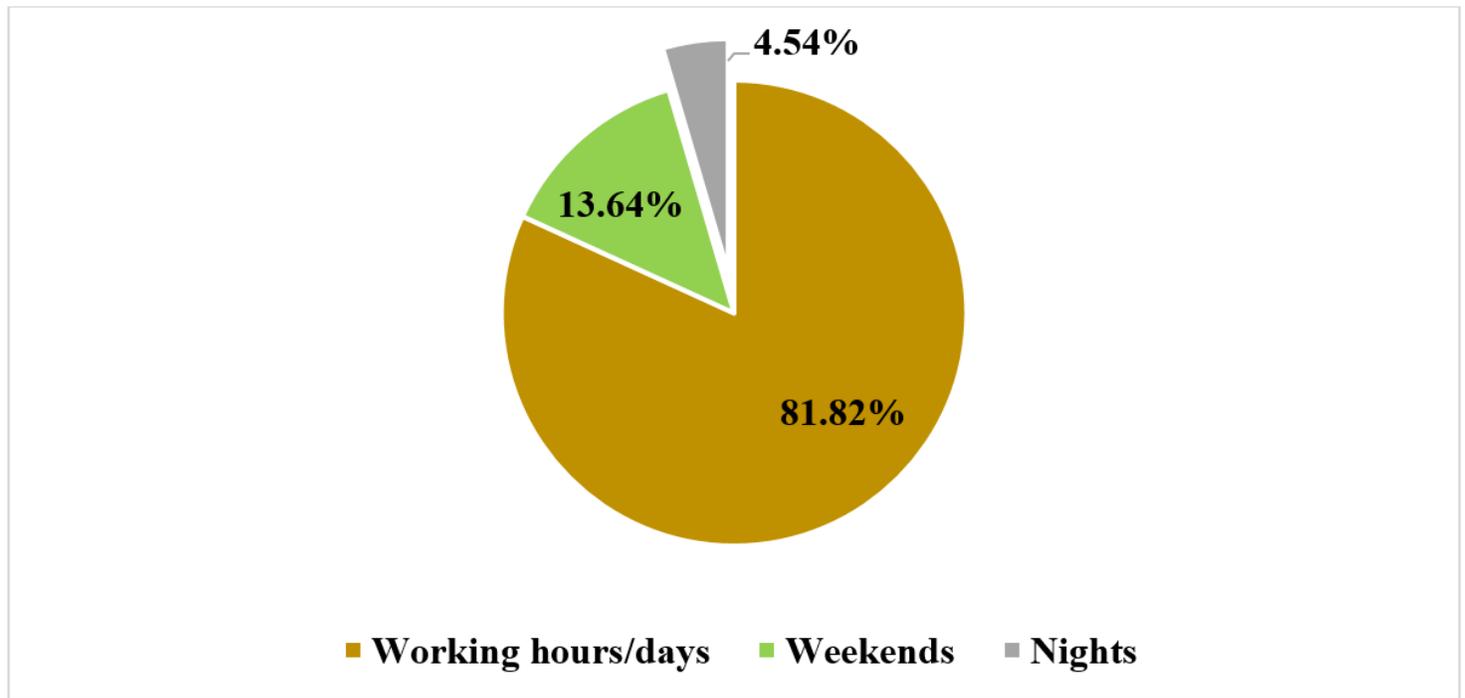
**Figure 1**

Source of Information about AYSRH services



**Figure 2**

Proportion of adolescents and youths who ever visited Health facilities for AYSRH Services



**Figure 3**

Time during which adolescents and youths made last visit to health facility for SRH services, East Wollega 2020.