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Abstract

Background: Risky sexual behavior is the description of the activity that will increase the probability that a person engaging in sexual activity with another person infected with a sexually transmitted infection.

Objectives: This study aimed to assess risky sexual behaviors and associated factor among adolescents in Arjo Gudetu town, western Ethiopia.

Methods: A community based cross-sectional study design was conducted from August 1-30/2019. A multi-stage sampling method was used to select study subjects. Data were cleaned and entered in to SPSS version 25 for analysis. Then descriptive statistics: mean, median and bivariate logistic regression was used to select candidate variable for

Result: The risk sexual behavior in this study area was about 25.7%. About three fourth of adolescents had multiple sexual partner in the past 12 months. Adolescents attained only primary school were more likely to practice risky sexual behavior compared to those attained secondary school and above 2.036[AOR=2.036 (95% CI: 1.096-3.784)]. Being male was positively associated with risky sexual practice compared to their female counterparts [AOR=1.517(1.308-1.867)].

Conclusion: Risky sexual practice among adolescent was high in this study area. Level of education and being

need to be conducted to explore more about risky sexual behavior and associated factors in rural areas.

Keywords: Ri a a i ; A A a
 ti a at

Introduction

A n at i bt n 10 an 19 a
a [1]. It i a ti , b a i a an
  ia an t at i a ti b in ain
ini i a at n ,a in n i ntit an t an
  i in n a t. E i ntati n an i-
tain an a in a a an a at t
  in ti ain iti at a bt iti an
nati i n bti , t ta a i [2].
Ri a i (RSB) i t iti n t at it t ati
in a t babit t at a n a in a ti it
an t nint it a a t an itt in ti i b
in t b nant, a a at n nant [3].

in tan i a t i HIV/AIDS, nint n nan na
ab ti an ia b [8]. WHO ti ati n tin
2014 HIV a a in at a n a t
[9]. At a ti n AIDS- at at i i n a i i nt
a b t AIDS- at at a n a t a 15
19 nt i i n . UNAIDS (U nit Nati n P a n HIV/
AIDS) ti at t at t 250,000 n HIV in ti n
a n a t in 2015. O i 65% a n a t
i [10]. In 2017, ab t 1.8 i i a t b t n a
10 an 19 i i n it HIV i [11]. S b-Sa a an A ia
an S t A ia in a i t t HIV- iti a t
ab t 1.5 i i n (85%) i in S b-Sa a an A ia[11].

E nt t ab n an t i int a a i a
b a i a ti n Et i ia, t t i na ti n
i ntit ti n a at t a nint nit.

1BSUOFSBTB3TLZ4FYVBMRIBWRS, TUFSO8PMMFHB;POF8FTURUX B
RNNVORZRTFERPTT4FDUROBM4UVEZ

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Methods

Study area and period

[text illegible due to degradation] ... 1-30/2019 ... 42 ... 32,156 and 6,433 ... (AYFS) ...

Study design and population

A community based cross-sectional quantitative study ... in Arjo Gudetu town.

[text illegible]

Sample size determination

Sample size estimation ... single population proportion ...

Difference/precision (d) = 5%, 95% confidence interval, Proportion ...

$$n = \frac{(Z\,1-\alpha/2)^2 \, p(1-p)}{d^2}$$

Sample size (n) = 384, ... design effect ... 1.5 ... a 576 and ... 10% non response; the final estimated sample size was 634.

Sampling technique

[text illegible] ... Arjo Gudetu town ... a 2 ... and 11 ...

Data collection methods and tools

Data ... interview ... administered questionnaire adapted from WHO ... questionnaire. Initial questionnaire ... in English then translated ... (Afan Oromo). Before the actual data collection, the questionnaire was pre-tested on 5% (32 adolescents) ...

Data processing and analysis

The data was cleaned, coded and entered into SPSS Version 25. ... Descriptive statistics ... binomial, tables and graphs ... Bivariate analysis ... Variables having $p < 0.25$ ... in multivariable analysis ... Entered ... 0.1 probability ... multivariable analysis ... Statistical significance declared at ... $p < 0.05$ and adjusted odds ratio (AOR) 95% confidence interval (95% CI). Goodness of ... Hosmer Lemeshow test ... at p-value > 0.05 and ... $p < 0.05$.

Ethical consideration

Ethical clearance was obtained from Wollega University, School ... Ethical Review committee. Permission ... Arjo Gudetu town Health ... Written informed consent was obtained from the participants and ... confidentiality about the information.

Result

Socio demographic characteristics	Category	Frequency	Percentage
Sex	Male	313	52

Reason for risk sexual behaviour among Adolescents in Arjo Gudetu Town

On nstit (21.6%) t a at a c 103(17.1%) t a a in in a iat at n a. Ei t t (13.8%) n t i tt, n n t it-i t t a at. R a in t a it at ia i at ia n a , ab t 266(44.2%) a ti nt at n a i at ia an 131 (49.2%) t t t a at ia it (Fi 2).

Factors associated with risk sexual behavior among adolescent in Arjo Gudetu town

I n bi na i ti in, A b t n 17-19, a , b in t nt, ai ab , ati na tat n nt, b in in a a iat it i ab ai .

A [...] 17-19 [...] [AOR=3.093(1.694-5.650)] [...] 10-13 [...] [AOR=2.036 (95% CI: 1.096-3.784)] [...] Ma [...] [AOR=1.517(1.308-1.867)] [...] (Tab 3).

Discussion

[...] 155(25.7%). [...] 13.7%, [...] 51.3% [12,13]. [...]

Ab[...] 33.9% [...] 34.42% [...] A ba Mi[...] A[...] Ababa [...] 26.2% [...] 20.4% [...] [7,13,14]. [...]

[...] 15.31 (−1.207) [...] [7,15,16,17].

Ea[...] Pa[...] Et[...]ia [18]. B[...] N[...] [19]. [...]

In[...] (72%) [...] 12 [...] Mi[...] (50.94%), A ba Mi[...] (41%), A[...] (64.4%) [...] A[...] (22.9%) [7,13,15,17]. [...] O[...] M[...] (13.4%) [...] Ha[...] (18.5%) [...]

[...] 12 [...] Ha[...] 44.3% [...] A[...] (83.5%) [15,16]. [...] A[...] Uni[...] 53(8.8%) [...] A ba Mi[...] [20].

A [...] 17-19 [...] 10-13 [...] M[...] 15-19 [...] [21,22]. E[...]

[...] [21,23].

Ma[...] Et[...]ia [...] [8,23]. In[...] [...] [7,13,18,20,24,25].

[...] Fi[...] S[...] bia[...] Ⓧ [...]

Conclusion
ser[Ⓧ]associatasns wele io[Ⓧ]explo[Ⓧ]Tw T[Ⓧ]ke[Ⓧ]vior and

M G an M D in int aati n t an it an
i in t a .

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