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Prevalence of Social Phobia and Associated Factors among Wollega University Undergraduate Students, Ethiopia, 2014. An Institutional Based Cross-Sectional Study.

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Abstract

Background: Social phobia is the most prevalent, chronic, and debilitating anxiety disorder. It is associated with serious social, educational, and occupational impairment, considerable co-morbidity with other psychiatric disorders like depression, substance use problems and other anxiety disorders. University students with Social Anxiety disorder can experience considerable challenges whilst at university including speaking in groups, delivering presentations and in the general management of social situations. These have also negative impact on academic, social, physical as well as psychological aspects.

Methods: Institutional based Cross sectional study was conducted at Wollega University undergraduate students. Stratified Random sampling was used according to their year of study, proportional sample allocation was used to assign for each from total sample of 423. The collected data was coded, entered in to EPI-INFO software and analyzed by using SPSS version 20. The association between variables was analyzed using Crude and adjusted OR analyzed using logistic regression and the level of significance of association was determined at P- value <0.05.

Result: The prevalence of Social Phobia was found to be 32.1% with 95% confidence interval (28.5%, 35.1%). Multivariate analysis indicates that the likelihood of having Social Phobia was higher in Female (AOR=1.976CI (1.238, 3.154)), among age group 18-22(AOR=1.99 CI (1.24, 3.19)), being single(AOR=7.321 CI (2.526, 21.216) and those who were living with single parents(Father or Mother) were more likely of having Social Phobia than those who were living with their both parents(Father and Mother) (AOR=4.732CI(2.544, 8.802)) before joining to University. Students who came from rural area were more likely to have Social Phobia than those who came from urban area (AOR=1.68 CI (1.08, 2.61)). The likelihood of having Social Phobia among first year students was higher when compared to fourth & fifth year students (AOR=2.401 CI (1.129, 5.106)). Students who were currently drinking alcohol were three times more likely to have Social Phobia (AOR= (3.19 CI (1.57, 6.49))

Conclusion and recommendation: The prevalence of Social Phobia among University students was quit high which shows significant public health issues that needs great emphasis.

Keywords: social phobia; university students; ethiopia

Background

Social anxiety disorder is chronic and debilitating psychiatric disorder which shows a typically early onset in adolescence and even childhood with a mean age of onset as 15 years with a 90% probability of developing before the age of 25 [1].

When exposed to phobic situations, students with social phobia typically react with anxiety symptoms such as palpitations, sweating, blushing, shaking, and looking anxious or incompetent [2]. Consequently, the distressing situations are avoided or endured under intense anxiety and considerably with the student's social activities, relationships, academic functioning, or there is apparent distress about having the social phobia [3].

The prevalence of social phobia is different from country to country depending on the cultural, sociodemographic, methodological and diagnostic tools used [4]. For example,



the lifetime prevalence of social phobia in Western countries social phobia is highest in Sohag (13%), followed by that in Abha ranges from 3% to 13 % [5], but in other European it ranges from (9.8%) and least in Abu Dhabi (7.8%) [20]. 3.5% to 16 % [6].

Socially anxious students miss out on learning opportunities by (20%) in comparison to those who were living in suburban and avoiding interaction. Attention to academic information may be urban areas (11.3% and 11.4%) respectively [21]. distracted by an excessive focus on their anxieties [7], while the ability to monitor and modify communication with colleagues and Research has found that approximately one half of people instructors maybe distorted by fears of negative evaluation and suffering from social anxiety have a co-morbid mental, drug, or when participating in a seminar, socially anxious students judge alcohol problems [22,23] and increases a patient's lifetime risk of their competence poorly. In undergraduate students anxieties rise depression approximately four-fold [24]. Up to 16% of patients where assessment which includes performance [8]. which lead to who present with social phobia have alcohol abuse problems academic underachievement, underperformance at work even after conversely many patients presenting for treatment of substance graduation are among the consequences resulting in a reduced abuse problems meet the criteria for social phobia [25]. And in quality of life [1].

giving oral reports, asking questions, and taking part in relationship between social anxiety and problem drinking [26]. extracurricular activities and social events and many students reported avoiding distress by making themselves inconspicuous Despite its high prevalence, the social anxiety disorder is and sitting wherever they thought it unlikely they would be asked considerably underdiagnosed and undertreated. questions [9].

arise in response to the Social phobia [10]. And evidences show of unfamiliar people and knowledgeable individuals. that Social Phobia is associated with 20 % of cases of adult life and psychosocial functioning is significantly impaired [13].

So, social phobia is a major concern to University students for two reasons. One reason is the disorder's very high rate of co morbidity Thus, early diagnosis and intervention will increase their level of situations. Thereby, early detection (screening) and treatment of phobia and associated factors among university students. this condition is imperative [14].

Social anxiety disorder is one of the most common anxiety Study design and setting disorders. Although it is predicted that 40 million Americans suffer [17].

respectively and in Semnan University, Iran 8.6% male and 11.6% about 11,620 regular students. female [18]. Study in Egyptian Students also shows Social Phobia found to be 30.9% and more common in female than male students **Study population** [19].

A comparative study between Egypt, Saudi Arabia and the United students who are studying at the time of study. Arab Emirates of secondary school by using Social Phobia Screening Questionnaire (SPSQ) then DSM-IV prevalence of Inclusion and exclusion criteria

Students living in rural areas had higher rate of Social phobia

Malaya university students students who drink reported greater social anxiety and shyness, compared to those characterized as Most of the distress was directly linked to fear of public speaking, students who do not drink, confirming the significant positive

Social performance situations are commonly encountered by Studies showed that social phobia precedes approximately 70% of students in higher education at the time of lectures, seminars, group co morbid conditions, suggesting that some co morbid conditions projects because they are expected to speak in front of large groups

depression [11] and is associated with 17% alcohol and drug They may find it difficult to initiate or maintain social or dependence for self-medication aimed at reducing social anxiety relationships, avoid classes that require public presentations, [12]. For people suffering from persistent social anxiety, quality of discontinue their education prematurely or take jobs below their ability to avoid social or performance demands and the presence of co morbidity complicates the quality of life.

with such other mental health problems as major depression and enjoyment of university graduation, which consequently will help substance abuse. The second is the loss to gifts and talents that the them to become productive individuals. Therefore, the present students' possess because of fear of social and performance study aimed to fill the gap by assessing the prevalence of social

Methods and materials

from social anxiety, only about 5 million receive diagnosis or An institutional based cross-sectional study design was conducted treatment [15,16]. Epidemiological studies from the USA show at Wollega University from April 20 to May 20/2014. It is one of that 13% of Americans have social phobia, which makes it the most the public higher educational institutions established at Nekemte prevalent anxiety disorder and the 3rd most common psychiatric in 2007. It is located 331 km West of Addis Ababa at the out skirt disorder after major depressive disorder and alcohol addiction of Nekemte town on the 150 hectares of land surrounded by evergreen forest and natural scenery of landscape. At present, the University runs 60 undergraduate and 17 postgraduate programs in Cross sectional study conducted on 380 students at Baghdad three different campuses at Nekemte, Gimbi and Shambu towns. among Al- Qadissya medical students using brief social phobia Today, Wollega University is a comprehensive University engaged scale also indicate that there was a significant gender difference in in the provision of all rounded education, research and community female and male students which shows (17. 4%) and (7.9%) service. Currently Wollega University Nekemte compus admits

All regular undergraduate Wollega University Nekemte campus



In our study the inclusion criteria were all regular undergraduate **Data processing and analysis** students at Wollega University Nekemte campus during the study period and the exclusion criteria was included and Students who Information on socio-demographic, substance use & clinical are seriously ill.

Sample size determination

The sample size was determined by using Single population tables, graphs and descriptive summaries were used to describe the proportion formula $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and individual control that $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and individual control that $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and individual control that $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and individual control that $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables and $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables are considered as $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$ considering the following analysis was used to control the effect of confounding variables are considered as $n = \frac{\left(\frac{Z\alpha}{2}\right)^2 p(1-p)}{d^2}$. country; hence, P= 50 %(0.5), confidence interval of 95%, and the association was presented by odds ratio with 95% confidence margin of error (d) = 5%. Applying single population formula, interval. P-value less than 0.05 were considered as statistically sample size was calculated to give 384 and then adding 10% (384 significant. x $0.1 \approx 39$) of non-respondents the minimum sample size for this study is 384 +39=423.

Sampling technique

(Year I, II, III, IV, and V) and then the calculated sample size (423) students (respondents) who selected to participate in the study. was distributed into each of the five class years using proportional to their size (Fig 1).

assessment of social phobia among Wollega University not compel to the study but with their voluntariness after undergraduate students, 2014.

Data collection instruments and measurement

Social phobia among Wollega University undergraduate students was considered as dependent variable. However, socio Results demographic factors, Clinical factors and Substance related factors Socio- demographic characteristics of respondents were considered as independent variables.

include screening tool that was used to evaluate the prevalence of study participants were 22.1(± 2.68). social phobia is the Social Phobia Inventory (SPIN). The SPIN is a 17-item self-rating scale for social anxiety disorder (social Majority of the students were in age between 18-22(61.2%). phobia). The scale is rated over the past week and includes items Among the total study subjects 198 (47.4 %) were orthodox assessing each of the symptom domains of social anxiety disorder Christian, 129(30.9%) Muslims, while 91 (21.8 %), were (fear, avoidance, and physiologic arousal) (Jonathan Davidson, protestants followers. Thirty eight (9.1%) of the respondents were **2013**).It is rated 0(not at all) to 4(extremely), scale ranges 0-68.

Operational Definitions

- Social phobia (social anxiety) according to this study was and others (Gambella, B/Gumuz, Somali) respectively. (Table 1) defined as when the Social Phobia Inventory screening tool rated over the past week scored as cut off point greater than 20 considered as social Phobia.
- Substance Use in this study defined as ever use or current use of substance.
- Ever use defined as use of specified substance (alcohol, khat, cigattete smoking) at least once in their life.
- Current use defined as use of specified substance (alcohol, khat, cigattete smoking) within the past three months.
- History of Psychiatric disorders defined as any diagnosed mental disorders before the study period.
- **History of Medical illness** defined as any diagnosed medical illness before the study period.

factors were collected through self-administered questionnaire. The data was checked for completeness and consistency. Then it was coded and entered in the computer using EPinfo7 software. Then, data was analyzed by using SPSS version 20. Frequency

Ethical clearance

Ethical clearance was obtained from the ethical review board of the Amanuel Mental Specialized Hospital. Information sheet was Stratified sampling technique was used based on their year of study attached to the questionnaire and verbal consent was obtained from

The data collection facilitators were clearly explained the aims of the study for study participant. Confidentiality was maintained by Fig 1. Schematic Presentation of sampling procedure for the omitting their name and personal identification and participants did understanding the purpose of the study. The right was given to the study participants to refuse or discontinue participation at any time they want and the chance to ask any thing about the study.

Of the total 418 students participated in the study, 245(58.6%) Data was collected by using self-administered questionnaire that were Male and the remaining were Female. The mean age of the

married, 380 (90.9%) were never married.

Regarding Ethnicity, 147(35.2%) were Oromo, 109(26.1%) were Amhara and 85(20.3%), 58(13.9%), 19(4.5%) were Tigrie, Gurage



Variables	Frequency	Percentage (%)
Sex		
Male	245	58.6
Female	173	41.4
Age	L	L
18-22	256	61.2
22	1.52	20.0
≥23	162	38.8
Marital status		
Married	38	9.1
Single	380	90.9
Ethnicity		•
Amhara	109	26.1
Oromo	147	35.2
Tigrie	85	20.3
Gurage	58	13.9
Others	19	4.5
Religion	•	
Orthodox	198	47.4
Muslim	129	30.9
Protestant	91	21.8
Residence	l .	
Urban	177	42.3
Rural	241	57.7
Year of study	1	
I	125	29.9
II	123	29.4
III	113	27.0
IV&V	57	13.6
Living with		
Both parents	323	77.3
Single parents/relatives	95	22.7

Wollega University undergraduate students, 2014

Substance and Clinical condition of respondents

conducted and 288(68.9%) had practiced using of substance at 28.2% in male, in the last week. least once during their life time. (Table 2)

	Percentage (%)
Substance ever use	
156	37.3
262	62.7
100	23.9
318	76.1
32	7.7
386	92.3
Current use	I
74	17.7
344	82.3
92	22.0
326	78.0
24	5.7
394	94.3
	I
3	0.72
415	99.3
	I
2	0.48
416	99.5
	156 262 100 318 32 386 Current use 74 344 92 326 24 394 3 415 2

N = 418

Table 2: Substance use and clinical conditions of respondents in Wollega University students, 2014

Prevalence of Social phobia

The distribution of SPIN-17 among respondents showed a mean **Table1:** Socio demographic characteristics of respondents in score of 18.6 and Standard deviation of +4.6. Two hundred eighty four (67.9%) of the respondents had scored less than twenty, 102(24.4%) had scored between 20 and 25, 28(6.7%) had scored between 26 and 30 and 4(1%) of the respondents had scored 31 or more of the SPIN-17 item. When we consider twenty as a cut-off Out of the total of 418 study subjects, 190(45.5%) were used point, about 134 (32.1%) of the respondents with 95% confidence substances in the last three months before the time of study was interval (29.5%, 35.1%) had Social phobia, 37.6% in female and

Factors associated with Social Phobia **Socio-demographic factors**

Bivarate and multivariate analysis showed that there was statistically significant association between Social Phobia and Age, sex, marital status, Year of study, residence and living arrangement (table 3). After adjusting other variables, the likelihood of having Social Phobia among age group 18-22 was more likely when compared to age group 23 or more (AOR=(1.99)



CI (1.24, 3.19)). Multivariate analysis indicates that the likelihood **Substance and Clinical factors** of having Social Phobia was nearly 2times higher in Female (AOR=1.98CI (1.24, 3.20)).

students was nearly 2.4times higher when compared to fourth& (Table 4) fifth year students (AOR=2.40 CI ((1.13, 5.11)). And those who were living with single parents (Father or Mother) were more Ever use likely of having Social Phobia than those who were living with their both parents (Father and Mother) (AOR=4.73 CI (2.54, 8.80)) before joining to University.

In this study both Bivarate and multivariate analysis showed that there was no statistically significant association between Social Phobia and Ethnicity, Religion and forth & fifth year of study. (Table 3)

Variables	Social Phobia		COR(95% CI)	
	Yes No		AOR(95% CI)	
Age				
18-22	94	162	1.77 (1.14, 2.74)	1.99 (1.24, 3.19)*
<u>≥</u> 23	40	122	1.00	1.00
Sex				
Male	61	184	1.00	1.00
Female	73	100	2.20(1.45, 3.35)	1.98(1.24, 3.15)*
Religion				
Orthodox	74	124	1.58(.92, 2.71)	
Muslim	35	94	.98(.54, 1.80)	
Protestant	25	66	1.00	
Marital status``				
Married	5	33	1.00	1.00
Single	129	251	3.39(1.29, 8.90)	7.32(2.53,
			21.22)**	
Ethnicity				
Amhara	35	74	1.00	
Oromo	42	105	.85(.49, 1.45)	
Tigrie	29	56	1.10(.60, 2.00)	
Gurage	22	36	1.29(.66,2.51)	
Others	6	13	.98(.34, 2.78)	
			12	
Year of study				
Year I	43	82	2.19(1.03, 4.66)	2.40(1.13,
Year II	45	78	5.11)*	
Year III	35	78	2.41(1.14, 5.12)	2.19(1.03, 4.66)*
Year IV&V	11	46	1.88(.87, 4.05)	
			1.00	1.00
Residence				
Urban	57	159	1.00	1.00
Rural	77	125	1.72(1.14, 2.60)	1.68(1.08, 2.61) *
Living with				
Both parents	95	228	1.00	1.00
Single parents	39	56	1.67(1.04, 2.68)	4.73(2.54,
			8.80)**	

Note: *=p<0.05, **=p<001, 1.00=Reference. **COR** Crude odds ratio at 95 % confident interval. AOR Adjusted odds ratio at 95 % confident interval

Table 3: Bivarate and multivariate analysis to show association between Socio-demographic characteristics with Social Phobia among Wollega University Undergraduate students, 2014.

Bivarate analysis showed that there was statistically significant association between Social Phobia with alcohol drinking and The likelihood of having Social Phobia among individual who smoking for both who had used these substances at least once in were single was higher (AOR=7.32 CI (2.53, 21.22) when their life and for who were using in the past three months. But after compared to individuals who were married .Students who came adjusting other variables the multivariate analysis showed there from rural area were more likely to have Social Phobia than those was statistically significant association between Social Phobia and who came from urban area (AOR=1.68 CI (1.08, 2.61)). There was current alcohol drinkers. The likelihood of becoming Social statistically significant association between Social phobia and year Phobic among currently drinking alcohol was nearly 3.2 times of study. The likelihood of having Social Phobia among first year higher (AOR=3.19(1.57, 6.49)) when compared to non-drinkers.

Substance use		Social ph	obia		COR(95% CI)	
		Yes	N	AOR(95%	6 CI)	
			О			
Alcohol						
Yes		47		109	1.66(1.09, 2.53)	.92(.52,
1.60)						
No		87		175	1.00	1.00
Khat						
Yes		26		74	.99(.62, 1.61)	
No		108		210	1.00	
Tobacco						
Yes		14		18	2.27(1.10, 4.69)	.91(.20
4.18)						
No		118		268	1.00	1.00
C						
Current use Alcohol						
Yes		40		34	3.13(1.87, 5.24)	3.19(1.57,
6.49) **		40		34	3.13(1.67, 3.24)	3.17(1.37,
No		94		250	1.00	1.00
Khat						
Yes		32		68	1.0(.62, 1.61)	
No		102		216	1.00	
Tobacco						
Yes		13		11	2.67(1.16, 6.12)	
1.33(.24, 7.33)						
No		121		273	1.00	1.00
Mental illness	Yes	2		1	4.29(.39, 47.71)	
	No	132		283	1.00	
				•	-	
Medical illness	Yes	1		1	2.13(.13, 34.28	
	No	133		283	1.00	

=p<001, 1.00=Reference, **COR= Crude odds Ratio at 95% Confidence Interval, **AOR**= Adjusted Odds Ratio at 95% Confidence Interval

Table 4: Bivarate and multivariate analysis to show association between clinical conditions and substance use with Social Phobia among Wollega University Undergraduate students, 2014.

Discussion

In this study, the prevalence of Social Phobia (32.1%) was relatively consistent with prevalence study done using the same instrument and cut off point in Brazil University students which was 31.6 % [9]. However, Prevalence study using the social phobia subscale conducted in Egyptian students which was 30.9 % [27]. and the prevalence study using social phobia subscale among another sample of Egyptian college students Prevalence of Social Phobia was found to be 40 % [28]. In Nigerian, the life time



Diagnostic Interview (CIDI) tool was 9.4 % [19]. The relation significantly higher in the rural (17.2%) in comparision to the difference between the present study & other studies might be due urban students (14.8%) In Turky, the rate of Social Phobia among to different instrument used, in Egyptian study they used Social students living in rural is also higher than in urban was 20% and phobia subscale and in Nigeria, used the CIDI diagnostic tools. 11.4 % respectively [21]. Baghdad among Al- Qadissya medical And in Brazil they used Social Phobia Inventory which was similar students living in rural areas had significantly higher rate of Social with the present study. There was also difference in sample size phobia in comparison to those who were living in urban areas [22]. used, in Nigeria study 500 students were included in Egyptian This is probably due to educational relocation from secondary Methodological aspect cross-sectional study design were used modernization where there is complete environmental variations Nigerian, Egyptian and Brazil studies and there was also cultural and variations in traditions and attitude, therefore the conflict differences in between the present and other studies plays great roll arising between following their tradition and culture and their in the development of Social Phobia. The time difference at which efforts to adjust properly to their new modernized environmental the present study and other studies has taken place also may be life style, might have frustrated their adaptation skills and have different, social phobia symptoms may be expected to be higher provoked or increased their social anxiety symptoms. during examination time which is associated with practical and presentations since it can induce or exacerbate the anxiety Social Phobia was significantly associated with year of study. symptoms.

also another problem for students. Studies in France also show that situations. due to the nature of early onset of social anxiety symptoms developing in sufferers before the age of 25 [4]. Social phobia is There was statistically significant association between Social students of the sample were originally from rural areas where the developing social phobia [30]. culture plays an important role in the appearance and presentation of symptoms. The parent behaviour and family environment act as The present study shows that there was statistically significant modelling of avoidant responses and restricted exposure to social association between Social Phobia and current alcohol use. Study situations, and they are likely to have an effect on the development conducted in Ibadan (Nigeria) included 500 university students, of Social anxiety symptoms. In some society's cultural there was significant association between social phobia and expectations, females with behaviourally inhibited and those who alcohol use at the time the study was conducted [19]. One study are introverted than extroverted are preferable which can lead conducted among 116 undergraduate students in Malay university female students to be more socially anxious when encountered students reported greater social anxiety when compared to non social performances.

experience in social relationship, social and psychological support others. from their couple; they may stay friendly and may have frequent exposure before marriage and develop experience of romantic Conclusion relationship &social interaction. Most of the married students in this study were age above 25 which shows relatively low The prevalence of Social Phobia in Wollega University prevalence of Social Phobia among these age groups.

prevalence of social phobia using Composite International Regarding to the residence of origin, Social phobia was 1000 university students were included. In terms of schools at rural and small villages areas to university;

According to this study, the likelihood of having Social Phobia was higher among first and second year students when compared to In the present study, Social Phobia was significantly associated fourth and fifth year students which similar with study in Brazil with age group ranged between 18 -22 years which is nearly [9]. Nigeria [19], and Egypt university students [28]. Some consistent with the study conducted on Egyptian Al azhar common sources of problems for new university students social University students 19-23 year [28]. This can be explained by it is and interpersonal problems: especially, students, who are living the time for most students of transition to university from away from home, family and friends for the first time, these secondary school. Students may face a wide range of stressors and students may experience homesickness, the academic rigors challenges in adjusting themselves to new direction in their lives. completely new and different social network and environment, Educational relocation from secondary schools, complete difficulty in managing time and study skill, loneliness, difficulty environmental variations and variations in traditions and attitude of making friends, roommate issues and general adjustment to new

being highly prevalent in younger people than in older people [8]. Phobia and living with single parents (Father or Mother) when This study demonstrated that there was statistically significant compared to students who were living with both biological parents association between Social Phobia and female students. This (Father& Mother). One study in Saudi Arabia shows students living finding agrees with the findings in Amsterdam University, with single parent were more likely to develop social phobia than UK,Plymouth [8]. Seman of Iran [18]. Al Qadissya Medical students who were living with both parents [23]. This is probably students [22]. Nigeria University.It is indicated that gender is a explained in terms of social interaction, socio-economic and significant predictor of students' social phobia and female students psychological support. Study in Seman University, Iran, also show found to be more affected with social phobia when compared to the same explanation, students who had no social & psychological male students [19]. It can be explained by most of the female support had higher than students who had social support in

users significant positive relationship between social anxiety and alcohol use [25]. This is explained by alcohol serves as a form of In the present study, students who were single were more likely to self medication where the individuals can manage their symptoms be affected by social phobia than students who were married. The through its anxiolytic properties [4,24] as it is believed that students result is similar with Vienna university, Austria [29]. Egypt [28]. with social anxiety use alcohol to manage distress [23]. associated and most of other studies [12,17]. This is probably due to the with their concerns regarding negative evaluation and scrutiny by

Undergraduate students was found to be high. Therefore, this study



has demonstrated that Social Phobia is major health problems KB wrote the protocol, designs the study, organized data collection among Wollega undergraduate students.

among age group ranged between 18 - 22 years, those who come critically reviewed and approved the final version of the from rural area before joining university, those who were single, manuscript for publication and agreed to be accountable for all year one and two students.

According to this study students who were living with both Acknowledgements biological parents (father and mother) were less likely to have Social Phobia than students who were living with single parent We would like to thank University of Gondar for granting funding (Father or mother) or relatives before joining to university.

Phobia among Wollega University students.

List of Abbreviations

CI - Confidence Interval

DSM-IV-TR - Diagnostic statistical Manual of fourth edition Text 1. Revision

GAD - Generalized Anxiety Disorder

ICCMH - Integrated Clinical and Community Mental Health

IRB - Institutional Review Board

OR - Odd Ratio

PTSD - Post-traumatic stress disorder

SAD - Social Anxiety Disorder

SP - Social Phobia

SPIN - Social Phobia Inventory

SPSS - Statistical Package for Social Sciences

WU - Wollega University

Declarations

Ethics approval and consent to participate

Ethical clearance was obtained from the ethical review board of the Amanuel Mental Specialized Hospital. Written informed consent was obtained from the study participants. The 7. confidentiality of information obtained from respondents was ensured.

Consent for publication

"Not applicable"

Availability of data and materials

The data sets analyzed for this study is available from the corresponding author on reasonable request.

Competing interests

The authors declare that they have no conflicts of interest.

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no role in the design of the study, in the collection, analysis, and interpretation of the data; or in writing the manuscript.

Authors' Contribution

process, analyzed the data and wrote the manuscript. LB and DD wrote the protocol, design the study, organized data collection Social Phobia was found to be more common in Female students, process, reviewing and editing the manuscript. All authors read, aspects of the work.

the study and Amanuel Mental Specialized Hospital for giving Alcohol current use was also significantly associated with Social ethical approval. Our deepest thanks go to all study participants, data collectors, and supervisors who spent their valuable time for the good outcome of the research work.

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