

# Knowledge, Attitude and Practice Toward Corona virus Infection Among Pregnant Women Attending Antenatal Care at Public Hospitals in Three Wollega Zones, Ethiopia

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**Background:** Pregnancy is an immune-suppressed state which makes pregnant women generally more susceptible to COVID-19 infection and severe illness. Extensive precautions have been recommended to avoid exposure to the virus. Knowledge and attitude toward the disease play an integral role in readiness to accept public health measures. This study aimed to assess the knowledge, attitude and practice towards COVID-19 among pregnant women attending antenatal clinics in three Wollega zones, Ethiopia.

**Methods:** Institution-based cross-sectional study was employed among 415 pregnant women attending antenatal care at public hospitals in three Wollega zones, Ethiopia from July to August 2020. The data were collected using an interviewer-administered structured questionnaire. The level of knowledge was assessed using 12 multiple choice questions; the score of above or equal to mean was considered as adequate knowledge. Binary logistic regression was performed and the adjusted odds ratio with P-value  $\leq 0.05$  at 95% CI was taken as statistically significant.

**Results:** This study indicates that more than two-thirds (75.4%; 95% CI: 71.1–79.3%) and 43.6% of the pregnant women had adequate knowledge and good practice about the coronavirus pandemic, respectively. The pregnant women who attended secondary school and above and were urban residents were more likely to have good knowledge, AOR = 2.99 (1.7–5.0) and 1.6 (1.2–2.7), respectively. Maternal age  $\leq 25$  years and being an urban resident were the two predictors of good practice of preventive measures, AOR = 1.7 (1.2–2.6) and 2.3 (1.3–4.0), respectively.

**Conclusions and Recommendations:** The target population demonstrated acceptable knowledge and poor practice toward COVID-19. Health-care providers should give more attention to educating pregnant women at any point of contact; legal enforcement should be implemented to improve practice of preventive measures. Special consideration should be given to those who are from rural areas, and to less-educated pregnant women.

**Keywords:** pregnant women, Ethiopia, knowledge, attitude, corona virus infection

## Introduction

COVID-19 was spreading globally at an accelerated rate and had spread to over 110 countries including Ethiopia when the World Health Organization (WHO) declared it to be a pandemic disease on March 11, 2020.<sup>1</sup> The pandemic is posing a serious threat to global public health with more than 6 million cases on May 30, 2020.<sup>2</sup> The pandemic had its first wave between December and January 2020 in

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Asia, and then went through to Europe and America, recording its second wave from February to date. The third wave of the pandemic may increase in the global spread.<sup>2</sup>

Even though everybody is at risk of becoming infected, pregnant women are more prone to become the victims of COVID-19 compared with the general population.<sup>3</sup> It is transmitted by airborne droplets; thus is easily inhaled by pregnant women and is difficult to remove due to the change in anatomical structure of the respiratory system during pregnancy.<sup>4</sup> Furthermore pregnancy is an immune suppressed state and pregnant women are generally more susceptible to viral respiratory infections and their complications. Pregnant women are at an increased risk for severe illness from COVID-19.<sup>5</sup> The rate of morbidity, cesarean section delivery and preterm birth were also found to be increased.<sup>6</sup> Vertical transmission is a matter of debate.<sup>2</sup>

The available data reporting the impact of COVID-19 on pregnancy outcome are not sufficient and are limited to small case series. In the absence of more robust evidence they were identified as a vulnerable group and were advised to take additional precautions as the COVID-19 pandemic unfolded.<sup>7</sup> Pregnant women are considered to be high risk and extensive precautions have been recommended in order not to be exposed to the virus.<sup>5,8</sup> COVID-19 public health responses such as social distancing, frequent hand washing and use of protective equipment are critical in preventing and containing the spread of coronavirus.<sup>9</sup> Failure to apply these important public health measures might result in poor control and increase likelihood of infection.<sup>15</sup>

Knowledge and attitude towards the disease plays an integral role in determining a society's readiness to accept public health measures. Studies have shown that socio-demographic factors including age, ethnicity, front line job, and obstetrics care and history influence the knowledge, attitude and precaution practice toward COVID-19 among pregnant women.<sup>11</sup> On the other hand, poor knowledge and practices of preventive measures against COVID-19 among pregnant women have been reported particularly in developing countries.<sup>3</sup>

A study conducted in northern Ethiopia showed that less than 50% of the studied pregnant women were knowledgeable and had good practice against coronavirus infection.<sup>11</sup> The available literature on the level of knowledge, attitude and practice toward COVID-19 among pregnant women in Ethiopia is limited: as far as we are aware there was no study

conducted in the study area. The finding of this study will be used as baseline data by policymakers to design appropriate strategies used to tackle the pandemic effect in this vulnerable population. It will be used by health professionals when they provide services to pregnant women. It will also be used by scholars who will conduct research on similar topics in the future.

## Materials and Methods

### Study Area and Period

The study was conducted at randomly selected public hospitals in three Wollega zones (East Wollega, West Wollega and Horo Guduru Wollega zone), western Ethiopia. There are around 12 public hospitals in these three Wollega zones of which one is a referral hospital, one is a comprehensive specialized hospital and the rests are zonal and district hospitals. Accordingly, Nekemte referral hospital, Wollega university specialized hospital, Shambu general hospital, Nedjo general hospital and Arjo hospital were randomly selected and included in the study. The data were collected for one full month from July 1 to August 30, 2020.

### Study Design

The institutional-based cross-sectional study was employed among the selected public health institutions.

### Population

#### Source population

All pregnant women who were attending antenatal care (ANC) at public hospitals in East, West and Horo Guduru Wollega zones were the source population for this study.

#### Study Population

Those pregnant women who were attending ANC at selected public hospital during the data collection period were the study population.

### Eligibility Criteria

#### Inclusion Criteria

All pregnant women who were on antenatal care were included in the study irrespective of trimester, absence or presence of comorbidity, and number of ANC visits.

#### Exclusion Criteria

Mothers who were unable to communicate were excluded from the study.

## Sample Size Determination

Sample size was determined by single population proportion with the following assumptions: Since this study was the first of its type in Ethiopia  $P = 50\%$  was taken, with 5% margin of error, and 95% confidence interval. Accordingly the calculated sample size was 384 and after adding a 10% allowance for a non-response rate, the final sample size was 422 pregnant women.

## Sampling Procedure

The three zones of Wollega district were purposely selected then the lottery method was used to select five public hospitals from the total of hospitals found in the three zones. Systematic random sampling technique was used to select the representative pregnant women from those who attend ANC. The sample size was proportionally distributed to each hospital depending on the number of pregnant women attending ANC at each hospital (see Figure 1).

## Variable

### Dependent variables

Knowledge towards COVID 19

Practice towards COVID 19 prevention measure.

### Independent Variables

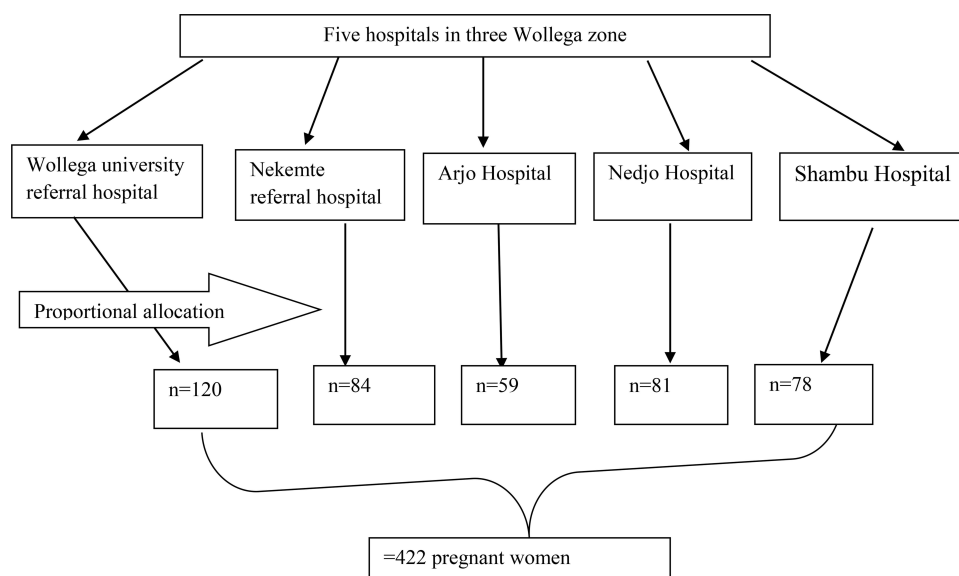
Socio-demographic (age, residency, marital status, occupational status, family monthly income, ethnicity, religion), obstetric and reproductive factors (parity, gravidity, history of ANC).

## Data Collection Tools and Procedure

The questionnaire was adopted from different articles published in English and contextualized to local situations. The adopted questionnaire was translated to locally spoken Oromo language and pre-tested. The validity of the tool was evaluated by comparing the consistency between the original and re-translated version of the tool. After the pre-test, the order of questions was rearranged, modified by replacing and adding more choice. The questionnaires contain five parts: socio-demographic data, obstetric and reproductive data, knowledge, attitude and practice questions. The questionnaires have a 12-item scale for knowledge assessment questions and a 10-item scale for practice questions. The scoring system of women's knowledge and practice were either 1 (for correct answer) or 0 (for incorrect answer). The maximum score was 12 for knowledge and 10 for the practice component of the question whereas the minimum score was 0 for both. Data were collected by four trained BSc midwives using an interviewer-administered structured questionnaire.

## Data Quality Assurance

The questionnaires were prepared in English and translated to Afan Oromo and re-translated to English. The tools were pre-tested before the actual data collection among 30 pregnant women at Gida hospital, who were not included in the final study. Training was given for data collectors and supervisors for one day. The data collection process was supervised by principal investigators and



**Figure 1** Diagrammatic presentation of the sampling procedure for the study on knowledge, attitude and practice toward COVID-19 among pregnant women in three Wollega zones, Ethiopia.

trained supervisors. The filled questionnaires were randomly checked for completeness and consistency.

### Data Processing and Analysis

The collected data were manually entered into Epi-data and exported to SPSS version 22 for statistical software analysis and were cleaned and transformed before analysis. Frequency and percentage were used to describe socio-demographic, reproductive and obstetric characteristics, knowledge, practice and attitude of the participants. Binary logistic regression analysis was conducted to determine the association of pregnant women's knowledge and practice with some explanatory variables. In multivariable binary logistic regression the AOR with P-value < 0.05 at 95% CI was taken as statistically significant predictors of the outcome variable.

### Operational Definition

**Awareness:** whether women had heard or not about COVID 19.

**Good knowledge:** Participants who scored  $\geq$  mean (which was 11 for this study).

**Inadequate knowledge:** Women who scored < mean score for knowledge question.

**Good practice:** Women who scored 100% (score of 12) on the practice of COVID-19 disease preventive measures questionnaire.

**Poor practice:** Women who scored < 100% (score below 12) on the practice of COVID-19 disease preventive measures questionnaire.

### Ethical Considerations

Written ethical clearance that allows using verbal consent for this study was obtained from the WURERC (Wollega University Research Ethics Review Committee). All the study participants were fully informed about the purpose of the study. Verbal consent was obtained from all respondents who were greater or equal to 18 years old and oral consent was obtained from the legal guardian for those respondents who were less than 18 years old. The interview was undertaken after the respondents completed their ANC examination in a separate area from the other participants. All the information was kept confidential and used only for research purposes. Health education about coronavirus infection was given briefly for every participant at the end of the interview.

## Results

### Socio-Demographic Characteristics

Data from a total of 415 pregnant women were used in this analysis (98.1% response rate). The minimum and maximum age of the study participant was 17 and 50 respectively, with mean age of  $25.46 \pm 4.67$  years. The majority (71.1%) of the study participants were in the age group 21–30 years followed by those within the age group 17–20 years (15.2%). The study participants were predominantly from an urban area (80.9%) and predominantly (94.7%) married. More than 35.3% of the study participants had attended college or higher educational level (Ssee [Table 1](#)).

### Obstetric Characteristics of the Pregnant Women

In this study the majority (63.1%) of the participants were multigravida and the remaining 36.9% were primigravida. More than half (61.9%) of the pregnant women had fewer than three alive children while only 6% had four or more alive children. In more than three-quarters (83.6%) of the women the current pregnancy was wanted and planned. Sixty-seven (16.1%) of the study participants had some complications associated with the current pregnancy and more than two-thirds (83.9%) had no previous history of chronic disease and obstetrics complication (see [Table 2](#)).

### Knowledge of the Pregnant Women About COVID-19

All of the 415 study participants (100%) reported that they had ever heard about the coronavirus pandemic. The majority (96.4%) of the pregnant women responded that they knew at least one common symptom of COVID-19 infection. Of the total respondents 87.2% knew that currently COVID-19 had no effective treatment, 83.1% knew that everybody can be infected by COVID-19, and 95.9% knew that wearing a mask can reduce the risk of infection. The vast majority (96.4%) of the pregnant women knew at least one common symptom of COVID-19 (see [Table 3](#)).

From those who knew the common symptoms of COVID-19: 86.5% knew the dry cough and more than 70% knew sneezing and dry cough as common symptoms of coronavirus disease. Just more than 60% of participants knew that throat pain was a symptom of coronavirus infection (see [Figure 2](#)).

**Table 1** Socio-Demographic Distribution of the Pregnant Women Attending ANC at Public Health Institutions (n = 415) in East, West and Horo Guduru Wollega Zones, Western Ethiopia

Character (n = 358)	Category	Frequency	Percentage (%)
Age group	17–20	63	15.2
	21–30	295	71.1
	>30	57	13.7
Residence	Urban	336	81.0
	Rural	79	19.0
Marital status	Married	393	94.7
	Other	22	5.3
Educational status	Cannot read and write	36	8.7
	Primary school	89	21.4
	Secondary school	144	34.7
	College and above	146	35.2
Occupation	Government Employee	83	20
	NGO Employee	5	1.2
	Private job	231	55.8
	Others	95	22.9
Religion	Protestant	291	70.1
	Orthodox	84	20.2
	Muslim	36	8.7
	Others	4	1
Number of family member	≤2	175	42.2
	3–4	174	41.9
	≥5	66	15.9

## Primary Source of Information About COVID-19

This study revealed that more than two-thirds (75.4%; 95% CI: 71.1–79.3%) of the total respondents had good knowledge about COVID-19. Among the participants the majority (80.9%) stated that their primary source of information about COVID-19 was television followed by health professionals and radio (see Figure 3).

## Attitude and Perception Toward COVID-19

Among the studied pregnant women the majority (68.2%) thought that COVID-19 is a curse from God/Allah. More

**Table 2** Obstetrics and Reproductive Characteristics of Pregnant Women Attending Antenatal Care, Western Ethiopia 2020 (N=415)

Variable		Frequency	Percentage
Gravidity	Primigravida	153	36.9
	Multigravida	262	63.1
Number of alive children	Nulliparous	133	32
	1–3	257	61.9
	4 and above	25	6
Current pregnancy condition	Wanted and planned	68	16.4
	Unwanted	347	83.6
Number of current ANC visit	1–2 visit	352	84.8
	3 and above	63	15.2
Gestational at booking	Before 3 month	81	19.5
	3–6 month	296	71.3
	After 6 month	38	9.2
Obstetrics complication in current pregnancy	YES	67	16.1
	NO	348	83.9

than half (61.2%) believe that the pandemic will be successfully contained. In this study 61.7% thought they are more high risk of developing complications than non-pregnant women if infected with COVID-19; however only 15% of them fear that they will lose their life or a family member due to COVID 19 (see Table 4).

## Practice of COVID-19 Public Health Measure

This study revealed that less than 43.6% of the study participants had good practice of preventive measures of COVID-19 infection and a large number (56.4%) of the women had poor practice. The women's responses regarding practice of preventive measures against COVID-19 infection was covering mouth with flexed elbow while coughing or sneezing (91.8%), frequent hand washing (90.6%), wearing face mask (88.2%), avoid hand shaking with others (87.7%) and keeping physical distancing (73.7%) (see Table 5).

## Factors Associated with Knowledge of COVID-19

In the single variable logistic regression educational status of college and above and being an urban resident was associated

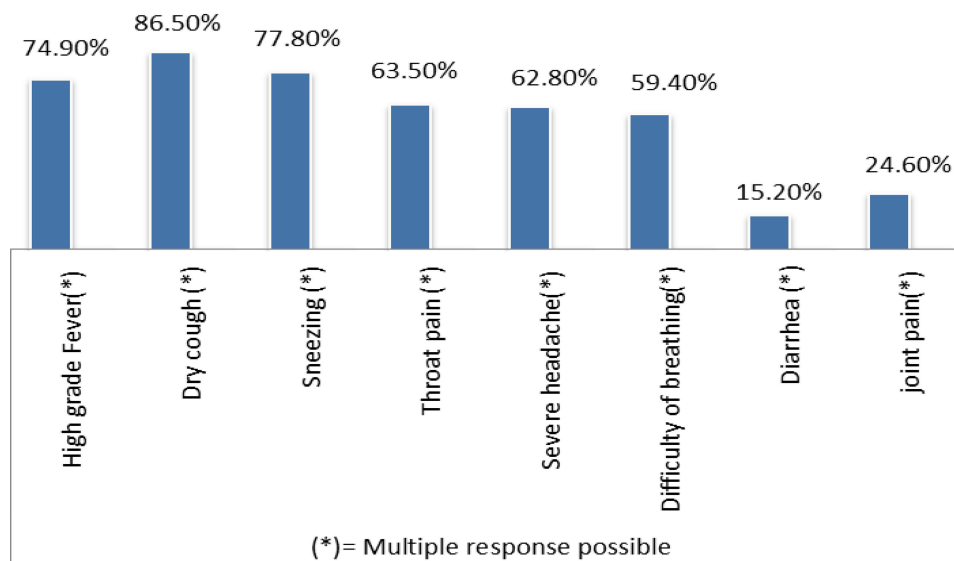
**Table 3** Distribution of Studied Pregnant Women According to Their Knowledge Towards Coronavirus Infection (n = 415)

s/n	Variable	Response	
		YES	NO
1	Heard about COVID-19	415(100%)	0(0%)
2	Do you know the symptom of COVID-19 infection	400(96.4%)	15(3.6%)
3	COVID-19 has effective treatment presently	53 (12.8%)	362(87.2%)
4	Everybody can be infected by COVID-19	345 (83.1%)	70 (16.9%)
5	COVID-19 is severe in Co-morbid and elderly people	373 (89.9%)	42(10.1)
6	Re-infection can occur with COVID-19	349 (84.1%)	66(15.9%)
7	COVID-19 infection can be transmitted by air droplets	401(96.6%)	14 (3.4%)
8	Avoiding touching eyes and nose prevents COVID-19	375(90.4%)	40(9.6%)
9	Ordinary people should use mask to prevent COVID-19	398(95.9%)	17(4.1%)
10	Avoiding crowding can decrease risk of COVID-19	402(96.9%)	13(3.1%)
12	Isolation is important after contact with infected person	405(97.6%)	10(2.4%)
13	Reporting the suspected symptom is recommended	379(91.3%)	36(8.7%)

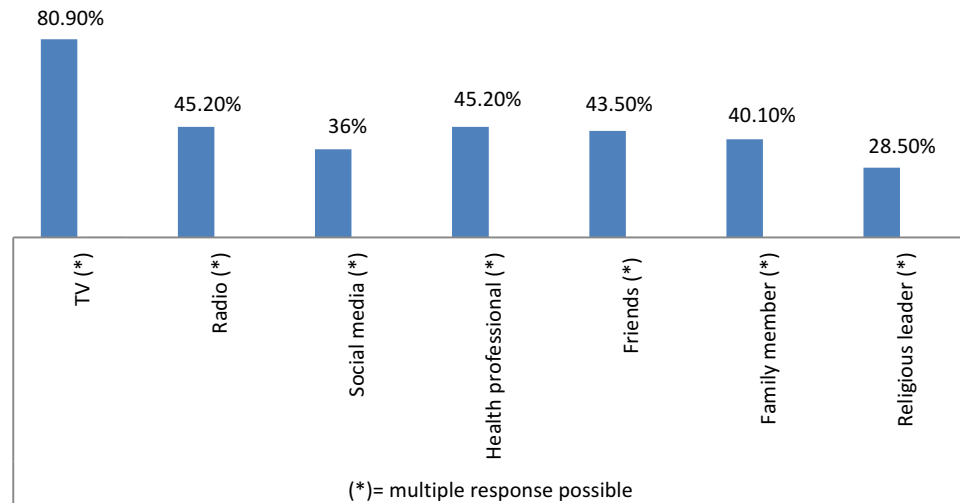
with having good knowledge about COVID-19 infection. In the multivariate logistic regression analysis those pregnant women who attend secondary school were 1.6 times more likely to have adequate knowledge about the pandemic when

compared with their counterparts. Those who were urban residents were nearly 3 times more likely to have good knowledge about coronavirus infection when compared with those who were from rural areas (see Table 6).

### Percentage of pregnant women who knew the symptom of COVID 19

**Figure 2** Diagrammatic presentation of percentage of pregnant women who knew the symptoms of COVID-19 in three Wollega zones, west Ethiopia.

## Source of information about COVID 19



**Figure 3** Diagrammatic presentation of primary source of information about COVID-19 among pregnant women in three Wollega zones, west Ethiopia.

## Factors Associated with Practice Against COVID-19

In the single variable logistic regression maternal age of less than or equal to 25 years and being an urban resident was associated with good practice toward preventive measures of COVID-19 infection. Then when the above variables were subjected to multivariate logistic regression analysis those pregnant women who were less than or equal to 25 years of age were 1.7 times more likely to have good practice of preventive measures toward the pandemic when compared with those who were greater than 25 years old. Those pregnant women who were urban residents were about 2.3 times more likely to practice a good level of preventive measures toward coronavirus infection (see Table 7).

## Discussion

This study was interested in ascertaining the knowledge, attitude and practice of pregnant women in Wollega zone

toward COVID-19. In this study more than two-thirds of the study participants had adequate knowledge about coronavirus infection. This shows that coronavirus awareness creation campaigns across the country have made a positive impact on the knowledge of the disease. However the practice of COVID-19 public health measures among the pregnant women was low in the area. This implies that having adequate knowledge will not always lead to the adoption of a new practice. The government will need to follow a regulatory strategy on COVID-19 preventive measures despite the health education campaign to improve the knowledge among target population.

In this study, out of all the studied pregnant women two-thirds (75.4%; 95% CI: 71.1–79.3%) of them had good knowledge about the coronavirus pandemic. The current study finding was consistent with a report from studies conducted in India and China in which 75.3% and 76.4%

**Table 4** Distribution of Studied Pregnant Women According to Their Attitude and Perception Towards Coronavirus Infection (n = 415)

s/n	Attitude and Perception Statement	Response	
		Agree	Disagree
1	COVID-19 is curse from God	283 (68.2%)	132 (31.8%)
2	COVID-19 will eventually be successfully controlled	256 (61.2%)	159 (38.8%)
3	Do you think a pregnant woman is at higher risk of complication from COVID-19 compared with non-pregnant	256 (61.7%)	159 (38.3%)
4	Do you fear that you may lose your life/family member by COVID-19	64 (15.4%)	351 (84.6%)

**Table 5** Distribution of the Studied Pregnant Women According to Their Practice of Preventive Measures of COVID-19 Infection (n = 415)

S/N	Practice Question	Response	
		YES	NO
1	Wash hand with soap/use sanitizer	376(90.6%)	39(9.4%)
2	Covering mouth with elbow while sneezing	381(91.8%)	34(8.2%)
3	Keeping physical distancing	306(73.7%)	109(26.3%)
4	Wearing face mask when go out	366(88.2%)	49(11.8%)
5	Changing travel	285(68.7%)	130(31.3%)
6	Staying at home /working from home	226(54.5%)	189(45.5%)
7	Reporting COVID-19 symptom to health facility	325(78.3%)	90(21.7%)
8	Stop hand shaking with people	364(87.7%)	51(12.3%)
9	Health care seeking when get ill	375(90.4%)	40(9.6%)
10	Avoiding going to social gathering	344(82.9%)	71(17.1%)

**Table 6** Bivariate and Multivariate Logistic Regression of Factors Associated with Knowledge of Coronavirus Infection Among the Studied Pregnant Women

Covariant		Knowledge Status		COR	AOR	P value
		Poor	Good			
Educational status	Below secondary school	44(35.2%)	81(64.8%)	1 2.2(1.4–3.5)	1 1.6(1–2.7)	0.05*
	Secondary school and above	58(20%)	232(80%)			
Residency	Rural	36(45.6%)	43(54.4%)	1 3.4(2.0–5.8)	1 2.99(1.7–5.0)	0.000***
	Urban	66(19.6%)	270(80.4%)			

Notes: Key: 1 = Reference category, \*PV≤ 0.05, \*\*\*P<0.0001.

Abbreviations: COR, Crude Odds Ratio; AOR, Adjusted Odds Ratio; CI, confidence interval.

**Table 7** Bivariate and Multivariate Logistic Regression of Factors Associated with Practice of Preventive Measures Against Coronavirus Infection Among the Studied Pregnant Women

Covariant		Practice Status		COR	AOR	P value
		Poor	Good			
Age	Below 25	122(50.2%)	121(49.8%)	1.8(1.3–2.8) 1	1.7(1.2–2.6) 1	0.008*
	≥25	112(65.1%)	60(34.9%)			
Residency	Rural	58(73.4%)	21(26.6%)	1 2.5(1.5–4.3)	1 2.3(1.3–4.0)	0.002*
	Urban	176(52.4%)	160(47.6%)			

Notes: Key: 1 = Reference category, \*P<0.05.

Abbreviations: COR, Crude Odds Ratio; AOR, Adjusted Odds Ratio; CI, confidence interval.

of the study participants had satisfactory level of knowledge about coronavirus infection, respectively.<sup>11,12</sup> The possible reason may be that the disease is a global public health problem and is heard about all over the world in a similar manner.

However, this finding was much higher than the finding from community-based cross sectional studies conducted in other parts of Ethiopia at Debra Tabor town and Gurage zone in which only 46.8% and 54.8% of the pregnant women were knowledgeable about COVID-19, respectively.<sup>11,13</sup> The

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current level of knowledge of pregnant women about COVID-19 was also higher than found in research conducted in Egypt which showed that 57.6% of women had a satisfactory level of knowledge.<sup>14</sup> The possible reason may be that all the former studies were conducted during the earlier stage of the pandemic compared with the current study and coronavirus risk communication across the world may have made a positive impact on the knowledge of the target population. The nature of the study could be the possible reason for the discrepancy; the level of health-related knowledge is expected to be high among the populations which are on follow up at health facility.

In the current study more than half of the study participants had poor practice about COVID-19 infection. This finding was similar with the findings reported from studies conducted in North West Ethiopia and Nigeria which reported that only 47.6% and 30.3% of pregnant women had good practice of coronavirus preventive measures, respectively.<sup>10,11</sup> This can be justified since those public health measures are new and it may take time to adapt to new norms.

In this study, the odds of having good knowledge of COVID 19 was higher among women who had secondary and above education compared with those who attended below primary school. This finding is supported with the findings from the studies conducted in Debra Tabor,<sup>11</sup> China<sup>12</sup> and Iran<sup>16</sup> where a higher proportion of pregnant women who had higher educational status were found to have good knowledge. The reason for this might be that educated women are more likely to be exposed to different mass media and social media including access to the internet to get information about COVID-19. They are also more likely to comprehend the information they obtained.

In this study, the odds of having good knowledge of COVID-19 was higher among women who were from urban areas compared with those pregnant women who were from rural areas. This finding is supported with the finding from the study of pregnant women in low income countries which found that being from a rural area was associated with poor knowledge among pregnant women.<sup>16</sup> This may be due to those pregnant women who were living in urban areas getting more information from different social media.

In this study, those pregnant women who were young (<25 years) were more likely to have good practice of COVID-19 preventive measures. This finding was

consistent with that reported from the study conducted in Debra Tabor city in Ethiopia which showed that younger women were more likely to have good knowledge and practice about COVID-19.<sup>11</sup> This may be due to a younger population being more likely to adopt a new lifestyle.

## Strength and Limitation of the Study

This study was an institutional-based study; thus it may not explain the level of knowledge and practice at the community level. On the other hand only individual level factors that may be associated with knowledge and practice toward COVID 19 were identified.

Despite these limitations, our study had some prominent strengths. The present study was at the time when coronavirus infection disease was at its peak in Ethiopia; so it can be used as baseline data for those who are working on the problem. Moreover, factors associated with knowledge and practice of COVID-19 among pregnant women were identified so it gives a direction to follow during health intervention.

## Conclusion and Recommendation

In this study most of the study participants had adequate knowledge however the practice of preventive measures were low in the area. Maternal educational status and place of residency were important predictors of adequate knowledge, whereas maternal age and place of residence were important factors associated with good practice of preventive measures toward COVID-19 infection among pregnant women. Core recommendations to assist pregnant women of different aspects in the current pandemic can be made.

- Health-care providers should give more attention on educating pregnant women at any point of contact.
- Health education campaigns should be implemented to improve knowledge as well as practice of preventive measures for COVID-19.
- Legal enforcement should be implemented to improve practice of preventive measures toward COVID-19.
- During health education special consideration should be given to those who are from rural areas, and to less-educated pregnant women.

## Acronyms and Abbreviations

ANC, Antenatal care; AOR, Adjusted Odds Ratio; CI, Confidence Interval; FMOH, Federal Ministry of Health of Ethiopia; HEW, Health Extension Workers; GA, Gestational age; MMR, Maternal Mortality Ratio; PIH, Pregnancy Induced Hypertension; CS, Cesarean section; UNICEF, United Nation International Children's Emergency Fund; WHO, World Health Organization.

## Data Sharing Statement

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

## Ethics Approval

This study was conducted in accordance with WMA Declaration of Helsinki. Ethical approval was obtained from the Internal Review Board of Wollega University Institute of Health Science. All the information was kept confidential and used only for research purposes.

## Consent to Participate

Verbal informed consent was obtained from all respondents who were greater or equal to 18 years old and oral informed consent was obtained from the legal guardian or the respondents who were less than 18 years old before starting interview. The consent process was approved by the Internal Review Board of Wollega University Institute of Health Science.

## Declarations

I declare that this study is my original work and the used references are acknowledged through citation.

## Acknowledgment

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## Disclosure

The authors report no conflicts of interest in this work.

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