



Counseling Quality of Dangerous Signs of Pregnancy Health in Work Region of Urban and Rural Puskesmas (Public Health Center) Jeneponto

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Abstract

BACKGROUND: Quality healthcare is the standard of care received by citizens who are entitled to guarantee their health status due to the poor quality of health care that affect the high mortality.

AIM: This study aimed to determine the difference in counseling quality of pregnancy dangerous signs at the public health centers of urban and rural areas in Jeneponto regency.

METHODS: The type of study was analytical observation with a cross-sectional study design. The populations of this research are all pregnant women in Jeneponto regency in October 2015-May 2016 at the work area of Urban and Rural Public Health centers. There were 278 respondents obtained by proportionate stratified random sampling. Data analysis used computer application of SPSS examined with the Chi-square test.

RESULTS: The results indicate that 85.3% of counseling quality of pregnancy dangerous signs in the work area of urban and rural Puskesmas are categorized bad. There is a difference of counseling quality of pregnancy dangerous sign component of vagina bleeding (p = 0.000), severe headache (p = 0.000), visual problems/blurred sight (p = 0.000), swelling on face and hand (p = 0.001), and severe abdominal pain (p = 0.000), fetus movement is lacking or not felt (p = 0.000) and fever (p = 0.000).

CONCLUSION: There is no difference in counseling quality based on age, education, job, and parities.

Introduction Maternal and child health is a matter of public health. This is referred to in the global concessions of the millennium development goals (MDGs) and also continued in Sustainable Development Goals (SDGs) [1]. The maternal mortality rate in Indonesia

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is guite high, based on 2012 IDHS data, the maternal mortality rate is 359/100,000 live births [2].

Data on visits to care can be a reference for assessing the good quality of services provided by health workers, although there is no agreement on ANC quality assessment indicators [3]. Research in Nigeria shows that only 4.6% of women receive good quality ANC services, while almost 1.0% do not receive one complete component of ANC examination [4]. The patient satisfaction during ANC examination is very important because it influences patients to be more inclined to comply with routine examinations in using primary health services. Research in Bahir showed

that 98.9% of respondents were intrapersonally satisfied when examining and consulting [5].

The problem of ANC services in Indonesia is almost the same as in other developing countries. Such an incident in Sub-Saharan Africa shows that even though the ANC service coverage is high, it is still followed by a high maternal mortality rate. Hence, this makes Graham assess the gap between the amount of ANC coverage and maternal mortality [6]. Pregnancy complications are one of the causes of the high maternal mortality rate in Indonesia [7]. This complication can occur because the mother does not recognize the danger signs of pregnancy that can cause complications.

The quality of antenatal care services is determined by seven components. One of them is antenatal care counseling. Researching the quality of counseling on pregnancy danger signs is very important to do because this is very closely related to the health of pregnant women. With counseling, pregnant women get a solution to the pregnancy problems that are being

experienced. In this case, the things must be done and which should be avoided during pregnancy so that the counseling component can improve the degree of health of pregnant women.

Based on service coverage data, it shows that the ideal K1 and K4 indicators nationally are 81.6% (Ministry of Health, 2013). However, this data does not indicate the quality of services provided to pregnant women. The regencies/cities with the highest maternal mortality rates include West Sulawesi, NTB, and NTT, which are 90/100,000 KH. This is what puts Indonesia has a maternal mortality rate of 288/100,000 kh from 33 provinces. Moreover, it still has not reached the target of reducing the global maternal mortality rate to <70/100,000 live births [1].

The implementation of the ANC in South Sulawesi K1 and ANC coverage was at least four visits each of 75.9% and 95.7% [8]. However, this high coverage does not guarantee a decrease in maternal mortality in South Sulawesi Province. Jeneponto is one of the areas with health problems which have the highest maternal mortality rate for three years in a row, namely, from 2013 to 2015, with figures of 170, 235, and 170/100,000 KH, respectively [9].

According to the IDHS data on pregnant women who received counseling about pregnancy, danger signs in urban areas amounted to 57.1% and in rural areas amounted to 48.7%. Findings from studies conducted in Norway show that there are many implications that arise, and it is known that the interests of pregnant women from rural areas are low. Therefore, there is a need that counselors must be posted to rural areas of the community to enable them to advise them on the importance of antenatal visits, more counseling must be provided for pregnant women, especially in rural areas to motivate their antenatal interests. Counselors should be more involved in counseling sessions for pregnant women in different hospitals and health centers [10].

Data on the number of pregnant women receiving data counseling services in Jeneponto Regency were unavailable. Moreover, the high maternal mortality rate is caused by complications. Moreover, there is no research on counseling quality in Jeneponto Regency. This is what underlies researchers to conduct research on the quality of counseling services in pregnancy danger signs in the Rural Areas Health Center and Urban Areas Health Centers in Jeneponto Regency 2016. This study aims to compare the quality of counseling for pregnancy danger signs in the Urban Health Centers and the Rural Health Centers in the Regency, Jeneponto.

Materials and Methods

This research was carried out in the Urban Area and Community Health Center in Rural Areas,

Jeneponto Regency, South Sulawesi Province. This type of research is observational analytic with a "crosssectional study" design. The population in this study were all pregnant women in Jeneponto Regency in October 2015–May 2016, amounting to 4156 pregnant women. The data were obtained from the Profile of the Jeneponto District Health Service in 2015. The sample in this study was pregnant women who had visited to utilize counseling services for pregnancy danger signs at the Jeneponto Health Center and met the inclusion criteria, with a total sample of 287 respondents. The inclusion criteria are pregnant women who live in Jeneponto and have visited Puskesmas during the study period.

Data collection is done through direct interview techniques using a questionnaire, and direct observation using a checklist. Secondary data were obtained from the District Health Office of Jeneponto. Data analysis was performed with the SPSS program and statistical tests using univariate tests with frequency and bivariate analysis of the Chi-square test.

Results

The results showed that the distribution of respondents based on characteristics in urban and rural health centers in Jeneponto Regency, by age group, showed that the most respondents were the 17–25 year age group that was 129 people (46.4%), and the lowest was the age group of 12–16 years which was three people (1.1%). Regarding the education of most respondents, there were 95 graduates (34.2%) graduating from junior high school, and the lowest did not graduate from elementary school and graduated from college, respectively, with 17 people (6.1%). Moreover, based on employment it was shown that most respondents were IRT jobs, namely, as many as 263 people (94.6%), and the lowest was in the work of 1 private employee (0.4%) (Table 1).

 Table 1: Distribution of respondents based on characteristics

 in the Puskesmas and midwife practices of Jeneponto regency

Characteristics	Frequency	%
Age (Year)		
12–16	3	1.1
17–25	129	46.4
26–35	121	43.5
36–45	25	9.0
Education		
Not completed in primary school	17	6.1
Graduated from elementary school	90	32.4
Graduated from middle school	95	34.2
Graduated from high school	59	21.2
Graduated from college	17	6.1
Not completed in primary school	17	6.1
Occupation		
IRT	263	94.6
Entrepreneur	9	3.2
Civil servants	5	1.8
Private employees	1	0.4

The counseling status of respondents showed that most respondents did not get counseling as many as

143 people (51.4%), while those getting counseling were 135 people (48.6%) (Table 2). The results of counseling quality research related to respondents' knowledge in urban and rural health centers showed that the highest quality of counseling related to poor quality as many as 237 people (85.3%), while those getting good quality counseling were 41 people (14.7%) (Table 3).

The results of the bivariate analysis between the quality of counseling knowledge with the counseling component showed that respondents who did not receive counseling related to vaginal bleeding and had poorer quality were 159 patients (91.9%).

Table 2: Frequency distribution of respondents based oncounseling status at the Puskesmas and midwife practices inJeneponto regency

Counseling	Frequency	%
Yes	135	48.6
No	143	51.4

Statistical test results indicate that there is a difference in the quality of counseling on pregnancy danger signs related to vaginal bleeding counseling in rural and urban health centers (p = 0,000) (Table 4).

Table 3: Frequency distribution of respondents based on ANC service quality at the Puskesmas and midwives in the practice of Jeneponto regency

Kualitas Pelayanan ANC	Frekuensi	%	
Kualitas Baik	41	14.7	
Kualitas Buruk	237	85.3	
Total	278	100.0	

The counseling component related to pain/ headache which is severe and has more poor quality is 197 patients (93.4%). Statistical test results show that there are differences in the quality of counseling on pregnancy danger signs associated with severe pain/headache counseling in rural and urban health centers (p = 0,000). Respondents who did not receive counseling related to visual problems/blurred vision and had more poor quality were 195 patients (93.3%). Statistical test results show that there is a difference in the quality of counseling on pregnancy danger signs related to counseling on visual/blurred vision problems in rural and urban health centers (p = 0.000) (Table 4).

 Table 4: ANC quality analysis based on ANC components in the

 Jeneponto district health center and midwife practice

Variable	Qualit	Quality			Total	Total	
	Good	Good		Poor		%	
	n	%	n	%			
Vaginal blee	ding						
Yes	27	25.7	78	74.3	173	100	0.000
No	14	8.1	159	91.9	105	100	
Severe head	laches						
Yes	27	40.3	40	59.7	67	100	0.000
No	14	6.6	197	93.4	211	100	
Visual proble	ems/blurr	ed vision					
Yes	27	39.1	42	60.9	69	Ya	0.000
No	14	6.7	195	93.3	209	Tidak	
Swelling on f	face and	hands					
Yes	25	23.4	82	76.6	107	100	0.001
No	16	9.4	155	90.6	171	100	
Abdominal p	ain is sev	/ere					
Yes	25	26.0	71	74.0	96	100	0.000
No	16	8.8	166	91.2	182	100	
Fetal mover	nent is lac	cking or not	felt				
Yes	25	36.8	43	63.2	68	100	0.000
No	16	7.6	194	92.4	210	100	
Severe head	lache						
Yes	26	41.9	36	58.1	62	100	0.000
No	15	6.9	201	93.1	216	100	

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The counseling component related to swelling on the face and hands that have poor quality is more than 155 patients (90.6%). Statistical test results show that there is a difference in the quality of counseling on pregnancy danger signs associated with swelling in the face and hands counseling in rural and urban health centers (p = 0.001). Respondents who did not receive counseling related to severe abdominal pain and had more poor quality were 166 patients (91.2%). Statistical test results show that there is a difference in the quality of counseling on pregnancy danger signs associated with counseling. Abdominal pain is severe in rural and urban health centers (p = 0.000) (Table 4).

Respondents who did not receive counseling related to fetal movements were less or not felt and had more poor quality, that is, 194 patients (92.4%). Statistical test results show that there are differences in the quality of counseling on pregnancy danger signs related to counseling. Fetal movement is less or not felt in rural and urban health centers (p = 0.000). Respondents who did not receive counseling related to severe headaches and had more poor quality were 201 patients (93.1%). Statistical test results show that there is a difference in the quality of counseling on pregnancy danger signs associated with counseling severe headaches in rural and urban health centers (p = 0.000) (Table 4).

Discussion

The results of this study indicate that most respondents are the age group of 17–25 years, which are 129 people (46.4%), and the least is the age group of 12–16 years as many as 3 people (1.1%). Regarding education, the highest number of respondents was at junior high school level of 95 people (34.2%), and the lowest was not graduated from elementary school and graduated from college, respectively, as many as 17 people (6.1%).

Based on the results of this study, most respondents indicated that most respondents were IRT jobs, namely, 263 people (94.6%), and the lowest was the employment of 1 private employee (0.4%). Regarding counseling status, the majority of respondents did not receive counseling, namely, 143 people (51.4%) and 135 people (48.6%). Moreover, research shows that respondents who are not counseling and have more poor quality are 130 patients (90.9%).

Health workers, in this case midwives, should provide a complete component of the danger signs of pregnancy when pregnant women make the first contact of pregnancy. This is because, if information about danger signs of pregnancy is not given early in pregnancy, fatal things for the mother and fetus can occur. In this case, it is possible at the time of dizziness for pregnant women to only consider it a natural thing and ignore the headache until it continues to a dangerous stage.

This study stated that all components of pregnancy danger signs showed a significant relationship with the quality of maternal knowledge related to counseling (p < 0.05). The respondents who received counseling related to vaginal bleeding (continuous blood spots during pregnancy) were as many as 105 people (37.8%), received counseling related to severe pain/headache (persistent and persistent headaches despite resting) were 67 people (24.1%), counseling related to visual problems/blurred vision (have a rest but the eyes remain blurred) were as many as 69 people (24.8%), get counseling related to swelling on the face and hands (symptoms experienced at 7–9 months gestational age and blood pressure above normal) were as many as 107 people (38.5%).

Counseling related to severe abdominal pain (severe abdominal pain and not stopping after rest) as many as 96 people (34.5%), get counseling related to fetal movements less or not felt (fetuses move at least 3 times in 3 hours, and fetal movements are felt at gestational age 16–20 weeks) as many as 68 people (24.5%) and get counseling related to severe headaches (headaches from preeclampsia symptoms and headaches still felt after resting) as many as 62 people (22.3%).

The most remembered danger sign among respondents in both study groups was vaginal bleeding, and this is in line with findings from rural Zambia. Vaginal bleeding is also the most advising danger sign in a study that focused on counseling and awareness of women of pregnancy danger signs at selected rural health facilities in Africa.

Research conducted by Hailu [11] in Ethiopia shows that pregnant women who get the danger signs of pregnancy bleeding vaginal bleeding (45.9%), severe headaches/pain (7.4%), facial swelling and hands (3.2%), severe abdominal pain (7.0%), and fetal movements are less or not felt (4.7) and high fever (9.2%).

This research shows that pregnant women who know about the components of danger signs of pregnancy are very minimal. Among the seven components of standardized danger signs of pregnancy, only a few pregnant women receive these components. This is due to many factors, one of which is the tendency of health workers (midwives) to not give full counseling about the danger signs of pregnancy. Midwives only explain pregnancy danger signs as complained by pregnant women even though counseling is a complete danger sign of pregnancy to pregnant women at the first visit (K1).

The limited-time of service and the lack of health workers is one of the reasons health workers

do not explain in full the components of pregnancy danger signs to pregnant women at the first visit (K1). Encouraging reading the KIA book is an option for midwives.

Recommendation

Based on this study, all components of pregnancy danger signs are significant with the quality of knowledge related to counseling. Therefore, health workers, in this case midwives, should do more innovative and comprehensive counseling for pregnant women so that fatal things for mothers and fetuses can be avoided.

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