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The Relationship Between Educational Factors and **Early Detection Behavior Cervical Ca** in Fertile Age Women

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ABSTRACT

Ca cervix s is the most common cancer in women. Therefore, prevention efforts are needed as early as possible with early detection of cervical cervix. The aim of the study was to determine the effect of educational factors on the behavior of early detection of cervical caesarean at WUS in the UPT area of the subdistrict health center, kembangbahu, Lamongan Regency. The research design was analytic observational with cross sectional design. The population was all WUS with a sample of 369 respondents who were taken by using purposive random sampling technique. Education independent variable using a questionnaire and the dependent variable early detection behavior using observation. Data were analyzed using logistic regression test.

From the results of the study, it is known that almost half of the respondents in the implementation of cervical caesarean education, including less, namely 13 0 respondents and most of the respondents carried out early detection of cervical caverns with Pap smear, as many as 272 respondents out of a total of 369 respondents. There is a relationship between educational factors and the behavior of early detection of cervical caesarean at WUS p value 0.000 < 0.05. Education is necessary in order untu k make someone knows d an encouraging someone to carry out early detection of ca cervix. There is a relationship between educational factors on the behavior of early detection of cervical cancer in women of childbearing age because the realization of behavior requires a variety of factors as a predisposition for the realization of behavior.

It was concluded that the educational actor was the dominant factor on the behavior of early detection of cervical cancer in women of childbearing age. It is suggested that the research site should increase the education regarding early detection of cervical caesarean at WUS.

Keywords: Educational Factor, Early Detection Behavior of Cervical Ca, Women

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BACKGROUND

Cervical *cervical* cancer is the most common cancer in women in the world. Deaths from *cervical Ca are* projected to increase by nearly 25% over the next 10 years. More than 270,000 female deaths due to cervical cancer each year in developing countries than in manju countries (WHO, 2013). As the name implies, *cervical cervical* cancer is a cancer that occurs in the uterine cervix, an area in the female reproductive organ which is the entrance to the uterus which is located between the uterus (*uterus*) and the intercourse hole (*vagina*) . The term "cancer" itself is already very scary. Therefore, it is expected that the *incidence rate* of this cancer can be reduced as low as possible (Anurogo, 2009).

In Indonesia, based on data from the 2013 Basic Health Research, the incidence of *cervical* caesarean in women was 522,354 patients (Trihono, 2013). In East Java, based on data from the 2013 Basic Health Research, the incidence of *cervical caesarean* in women was 1.6 / 100% o (Trihono, 2013).

Table 1.2 Scope of Examination of Early Detection Ca cervix In UPT Puskesmas

region kembangbahu

	Month _	Early Detection of Cervical Ca			
No.		201 9		20 20	
		IVA	PAP smear	IVA	PAP smear
1	January	6	-	3	-
2	February	7	-	3	-
3	March	2	-	3	-
4	April	-	108	-	105
5	May	10	-		
6	June	1	-		
7	July	-	38		
8	August	-	-		
9	September	-	-		
10	October	-	-		
11	November	-	-		
12	December	-	-		

Source: Register of outpatient Puskesmas Kembangbahu

The high *incidence rate of cervical Ca* can be caused by various factors. The cause of this cancer is the *Human papilloma virus* (*HPV*), which is a type of virus that attacks humans (Kompas, 2008). According to the *National Institute of Environmental Health Science* in *Research Triangle Park*, North Carolina, the compound Bisphenol A, which is a chemical substance used to make hard plastic containers, such as water jugs and for lining soup cans) can cause breast cancer, ovarian cancer, uterine cancer, *endometriosis*, and fertility problems. In pregnant women, this chemical substance can be passed on to the fetus (Roman, 2013). *Cervical Ca* occurs because of abnormal (abnormal) cell growth in the cervix. But before these cells become cancer cells, there are several changes that are experienced by these cells. These cell changes usually take up to many years before the cells turn into cancer cells.

Risk factors for *cervical cancer* include women having had sexual intercourse, smoking women, having multiple sexual partners, starting sexual activity at a very young age (Riono, 2009). Risk factors that can increase your chances of cervical cancer include age when you first had sex less than 20 years, having multiple partners, having had

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sexually transmitted infections, mother or sister having cervical cancer, previous abnormal pap test results and smoking. (Ministry of Health, 2015). Sri Syatriani's (2011) research results show that risk factors for cervical cancer can also be triggered by the use of low quality sanitary napkins (OR = 2,320), use of soap pH> 4 (OR = 2,360), socioeconomic status (OR = 4.087) and male partners who do not were circumcised (OR = 2,092). The impact that arises in the early stages is the appearance of foul-smelling, pink or brownish vaginal discharge, bleeding, abnormal menstruation and pain during sexual intercourse (Anurogo, 2009).

Given the impacts that arise, efforts should be made to avoid *cervical caesarean*. The first is that if you have had sexual intercourse, you must do early detection of *cervical Ca* by means of a regular *pap smear test* every two years until the age of 70 years. The second thing is to report abnormal symptoms such as bleeding, especially after *coitus* (intercourse). The third thing is not smoking (Riono, 2009). Another method besides the pap smear is by visual inspection with acetic acid. Currently, *cervical* cancer can also be prevented by giving the HPV vaccine. This step can provide protection against several types of HPV that can cause *cervical caesarean* and *genital warts* (Kompas, 2008).

The problem is still a lot of W anita Age fertile that do not implement early detection of *Ca cervix*. Many factors cause the lack of implementation of this early detection. A study of the behavioral aspect according to Green (Notoatmodjo, 2010) that someone is willing to do something, for example, early detection of *cervical cancer* if he knows the purpose and benefits. After knowing it will determine the attitude, namely agreeing or disagreeing with the program. After that it also depends on perceptions, values, beliefs. Likewise, it will depend on enabling factors such as the availability of affordable health facilities to carry out early detection, social support and so on. Maslow in the theory of motivation says that people will be motivated to do an action based on their need, besides their desire or interest or motivation. Encouragement or strong motivation must be instilled in the sufferer through various approaches. It is hoped that soon there will be interest in carrying out early detection of *cervical ca*.

Based on the above researchers intend to do research to formulate in the title: "Analysis of Educational Factors and Motivation to Behavior of Early Detection of *Ca cervix* in woman of fertile age in the region of UPT Puskesmas Kembangbahu Lamongan".

METHODS

The research design used was *observational* analysis, namely research by observing the research subjects (Notoatmodjo, 2012). With a *cross-sectional* approach, a research conducted to determine the relationship between variables according to requests without intervention from researchers, where data collection or collection on each research subject is only observed once (Sugiyono, 2010).

The *sampling* technique chosen by the researchers in this study was *proportional cluster random sampling* (sampling based on random cluster proportions). The cluster in question is 18 villages in the UPT Puskesmas Kembangbahu area, Lamongan Regency.

In this study, the population was all women of childbearing age who were married at the UPT Puskesmas Kembangbahu, Lamongan Regency, as many as 9,479 WUS who were married. In this study, the samples of this study were some women of childbearing age who were married as many as 369 respondents.

Analytical techniques for assessing the validity of the instrument using the *Pearson* product moment correlation calculation with a significance level of $\alpha = 0.05$

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RESULTS

The Effect of Educational Factors on Early Detection Behavior of Cervical Ca.

Table 4:38 Logistic Regression Test Results The Effect of Educational Factors on

Early Detection Behavior of *Cervical Ca* 2 April to 2 May 2020

Variable	p value
Education - Early detection behavior of <i>cervical ca</i> .	0,000
N = 369	
$\alpha = 0.05$	

Based on table 4.38, it is known that there is an effect of educational factors on the behavior of early detection of *cervical cancer* in women of childbearing age at Puskesmas Kembangbahu, Lamongan Regency (*p value* 0.000 < 0.05, so Ho is rejected).

Based on the results of logistic regression didapa VING equation There are relationship factors on the behavior of early detection education $ca\ cervix$ in women aged road towards Puskesmas Kembangbahu Lamongan of 4.430 with $p\ value\ 0.000 < 0.05$ then Ho is rejected .

DISCUSSION

Based on table 4.7, it is known that almost half of the respondents in the implementation of *cervical caesarean* education for women of fertile age are in the less category, namely 130 respondents (35.2%) of the total 369 respondents.

The results of this study are in line with previous research by Sri Wahyuni (2011) which states that the most dominant factor influencing cervical cancer early detection behavior is the *wish and drive* method educational intervention with a value of p = 0.010 and OR 3.050. This is because education is a determining factor because it is health education given to respondents by paying attention to the client's background and needs, this education provides a form of learning with various stimuli including lectures using LCDs, CD playback, distribution of booklets, peer discussions, demonstrations of Pap smear examinations and counseling. by involving family as supporters. Education is carried out to make the respondent's internal and external factors effective because these factors can influence the behavior of early detection of cervical cancer. As research conducted by Ackerson in 2007 in America, in his research which aims to determine the factors that influence women in early detection of cancer, it was found that the behavior of early detection of cervical cancer is influenced by intrinsic and extrinsic factors including age, education, economic status and knowledge.

According to Notoatmodjo (2010), education is a learning process from not knowing the value of health to knowing and from being unable to cope with one's own health to becoming independent. In this case the main role of education is to increase knowledge. Knowledge is needed in order to change behavior as described in the KAP (knowledge-attitude-practice) concept, where knowledge underlies attitudes and attitudes underlie the formation of behavior.

Nearly half of the respondents implementing *cervical caesarean* education in women of fertile age were in the poor category. This is due to the implementation of edu *ca cervix* is required infrastructures including the z Program is carried out for this activity. The means and infrastructure in question are the need for learning media such as books, magazines, newspapers or the internet and even outreach activities by health workers. For this tool, not everyone has it. Including now that is already popular is the internet, not necessarily

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Vol.9 No.2 November 2020 Page.1481-1488

everyone uses an *Android cellphone* that can be used for internet access to read *cervical cancer* which often occurs in women of fertile age.

Besides the above conditions education program *ca cervix* in women of fertile age are included is still in the low category can also be caused by other factors related to the characteristics of respondents as a factor of age, background education, employment, status gravida, information and resources. Judging from the age factor, based on the results of the analysis, it was found that the most respondents were> 35 years old with education in the good category. This is due to the older a person, the accumulation of education is certainly more than those aged her younger. This possibility can occur because education can come from various sources, whether from books, magazines, newspapers, the internet, health workers, friends or others.

Another factor that causes the lack of education about cervical cancer is related to the educational background of the respondent. Based on the results of the analysis, it is known that most respondents have primary education with cervical caesarean education in the low category and high school with good category. This is because with low education, people are generally reluctant to learn something, including being reluctant to read as a source of education. On the other hand, the higher the level of education, the higher the desire to learn and study in general. Therefore, with high school education , the education is among the highest compared to the SD education group .

Another factor that also affects the lack of implementation of cervical cancer education is the work background of the respondents. Based on the results of the analysis, it was found that the most respondents were farmers with cervical cancer education, including the low category. This is due to his profession as a farmer, so he rarely needs education about *cervical cancer*. People in this profession are generally more focused on agricultural problems. Information outside of agricultural issues in general also attracted less attention. Therefore, in the end, this group of farmers receives the least amount of information about cervical cancer.

Besides the above factors are also related to the gravida status of the respondents. Based on the results of the analysis, it was found that the most respondents were multigravidas with education in the poor category. This is because, in general, people are still less concerned with preventive measures regarding disease. Including still less concerned about cervical ca. problems. Therefore, even though it is classified as multigravida, it is still lacking in education about cervical caesarean.

The last factor that influences is information. Based on the results of the analysis, it was found that the most respondents had received information about early detection of cervical caesarean with education in the poor category. This is due to the fact that the category of having received information about early detection of cervical caesarean even though only once was still assessed as having. Therefore, even though it includes getting information about early detection of cervical cancer, education about cervical caesarean is still considered lacking. The reason is that respondents seem reluctant to seek information on their own and are passive or rely solely on information from health workers. Based on the results of the analysis, it was found that the most respondents got information about early detection of cervical caesarean from health workers with education in the poor category.

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CONCLUSION

Nearly half of the respondents at the Kembangbahu Public Health Center in Lamongan Regency for the implementation of *cervical* caesarean education for women of fertile age are in the poor category .

Most of the respondents at the Kembangbahu Public Health Center in Lamongan Regency, including carrying out early detection of *cervical caesarean* with a pap smear.

There is a relationship between educational factors and the behavior of early detection of *cervical cancer* in women of childbearing age at the Kembangbahu Public Health Center, Lamongan Regency

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