

Research Article

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FACTORS RELATING TO THE UTILIZATION OF NCD INTEGRATED POST

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Abstract

Background: Indonesia has the highest prevalence of Non-Communicable Disease (NCD) in 2013. NCD which is always listed in the top 10 diseases in Southeast Sulawesi is hypertension and diabetes mellitus. NCD Integrated Post is an effort to detect and overcome the early presence of NCD threat factors. However, there has been a decrease in the prevalence of integrated post visits from 2017 to 2018 at the Barangka Public Health Centre. The purpose of this study was to analyze the utilization of NCD Integrated Post in the work area of Barangka Health Centre in Buton Regency.

Methods: This type of research uses a cross-sectional study design. This study was conducted from November to December 2019. The population in this study were all people in the work area of Barangka Health Centre, Buton Regency in 2018 with ages > 15 to 59 years, namely 3,584 people. The number of the samples was 134 respondents. A questionnaire was used as the method of data collection.

Results: The results showed that the chi square of cadre support $X^2 \text{ count} = 36,460 > X^2 \text{ table value} = 3,841$ and health status is $X^2 \text{ count} = 32,308 > X^2 \text{ table value} = 3,841$. Therefore, all variables are influencing the utilization of NCD Integrated Post.

Conclusion: Health status and cadre influenced significantly the community in utilizing NCD Integrated Post at the Barangka Health Centre in Buton Regency.

Keywords: NCD; Integrated Post; Health Status; Cadre Support



INTRODUCTION

In today's world changes in the incidence of disease take shape marked by epidemiological transitions. Non-communicable diseases undergo a transitional form change, which was originally controlled by infectious diseases. As the frequency of non-communicable diseases (NCD) develops (1). World Health Organization data which explains that as many as fifty-seven million (63%) mortality rates and thirty-six million (43%) morbidity rates are referred to as Non-communicable Diseases (2).

In Indonesia in 2013 the highest prevalence of NCD(3). NCD which is always listed in the top 10 diseases in Southeast Sulawesi is hypertension and diabetes mellitus. For 2015, hypertension was ranked second with a total of 19,743 cases, while diabetes mellitus was ranked fifth with a total of 3,206 cases(4).

By involving empowerment and developing the role of the community is a strategic way to prevent various risk factors early(5). Services that involve the role of the community with promotive and preventive efforts are NCD Integrated Post activities to detect and address early the existence of NCD threat factors systematically(6). Based on data from the Buton District Health Office in 2018 the distribution of NCD Integrated Post for the Buton District amounted to 41 consisting of 14 Primary Health Centre (7). Barangka Community Health Center as the most public health center and integrated post with the number, in Buton Regency, is 11 integrated posts. Based on data obtained from the Barangka Primary health Center that in 2017 there were 255 visitors to integrated posts with a prevalence of 44.2%. In 2018, 248 people were visiting integrated post with a prevalence of 43.5%. This shows that the prevalence of visits decreased from 2017 to 2018(8).

The behavior of individuals visiting health services is determined by three aspects. i.e. priority aspects (i.e. knowledge,

attitudes, beliefs, values, individual characteristics), enabling factors (i.e. readiness, government law in preparing health-related facilities) whereas (skills and distance to health service) are reinforcing factors(9). Preliminary Survey conducted at the location of researchers obtained information that the average level of education is still lacking community knowledge about the integrated post is still low, some people will get sick and there will be no counseling from health workers.

METHOD

This type of research uses a cross-sectional study design(10). This study was conducted from November to December 2019. The population in this study were all people in the work area of Barangka Health Centre, Buton Regency in 2018 with ages > 15 to 59 years, namely 3,584 people. From the calculation of the samples, the obtained sample at a minimum of 134 samples(11). A questionnaire was used as the method of data collection(12).

RESULT

The results of statistical tests obtained the value of chi-square X^2 count = 36,460 > table X^2 value = 3,841. This shows that H_0 was rejected and H_a was accepted, meaning that there was a relationship between cadre support and the use of NCD Integrated post in Barangka Health Centre, Buton Regency. The results of statistical tests obtained the value of chi-square X^2 count = 32,308 > table X^2 value = 3,841. This shows that H_0 was rejected and H_a was accepted, meaning that there was a relationship between health status and the utilization of NCD Integrated Post in Barangka Health Centre, Buton Regency.

Distribution of cadre support relationships with the use of NCD Integrated Post in Barangka Health Centre, Buton Regency are as follows:

Table 1
Distribution of cadre support relations with the Utilization of NCD Integrated post in the Barangka Health Centre of Buton Regency

Cadre support	Utilization of NCD Integrated Post				Total		Statistic test
	Enough		Less		n	%	
	n	%	n	%			
Enough	45	70.3	19	29.7	64	100	X2 count = 36,460 ρ value = 0,000 X2 table = 3,841 α = 0.05
Less	13	18.6	57	81.4	70	100	
Total	58	43.3	76	56.7	134	100	

The distribution of the relationship between health status and the utilization of NCD Integrated Post in Barangka Public Health Centre, Buton Regency, are as follows:

Table 2
Distribution of the relationship of health status with the Utilization of NCD Integrated Post in Barangka Health Centre, Buton Regency

Health status	Utilization of NCD Integrated Post				Total		Statistic test
	Enough		Less		n	%	
	n	%	n	%			
NCD sufferers	51	63.0	30	37.0	81	100	X2 count = 32,308 ρ value = 0,000 X2 table = 3,841 α = 0.05
NCD sufferers	7	13.2	46	86.8	53	100	
Total	58	43.3	76	56.7	134	100	

DISCUSSION

Relationship between cadre support and utilization of NCD Integrated Post in Barangka Health Centre, Buton Regency

The role of cadres is one of the supporting factors that play a role in health behavior because it is a behavioral accompanying factor that gives effect and contributes to the permanent or disappearance of behavior (13). The implementation of NCD Integrated post is carried out by existing health cadres (14) or several people from each group/organization/institution/workplace who are willing to hold NCD Integrated post with the criteria of having a minimum of high school education, willing and able to

carry out activities related to NCD integrated post(15).

The results of statistical tests obtained the value of chi-square X^2 count = 36.460 > table X^2 value = 3,841. This shows that H_0 was rejected and H_a was accepted, meaning that there was a relationship between cadre support and the utilization of NCD Integrated Post in the Barangka Health Centre of Buton Regency. The relationship shows that cadre support is one of the factors that influence the community in utilizing NCD Integrated Post. Thus the better the support of cadres in providing counseling about the NCD Integrated Post-program, the more people who are interested in utilizing NCD Integrated Post.



According to researchers the lack of cadre initiative in inviting public health in an Integrated post also caused a lack of community motivation to visit. Therefore, they need to monitoring and evaluation of the implementation of the integrated health post so that the quality of service becomes better. The results of this study are in line with Ratna Sari's research (2018) that the Chi-Square test results were obtained p-value of 0,000 which means there is a relationship between cadre support and the utilization of NCD Integrated Post in the work area of the Primary Health Centre in Setiabudi District, South Jakarta City(16)..

Relationship between health status and utilization NCD Integrated Post in Barangka Health Centre, Buton Regency

Every person who feels themselves healthy even though they are not medically sure they are healthy is a proof to show a healthy perception(17). On the contrary, people feel sick and lying weak, they were able to carry out their activities at that time(18). New communities take advantage when the community can no longer work activity and feel sick. if taking the recommended behavior then the benefits to be enjoyed are related to feeling (perceived) and useful (benefit)(19).

The results showed that of 81 respondents have health status as NCD sufferers there are still 30 respondents (37.0%) using Integrated post less. This is caused by respondents choosing their alternative to seek treatment or seek a place of treatment where they have heard or felt that their other theme is healed and healthier than visiting the integrated post.

There is a relationship between health status and the utilization of NCD Integrated Post in Barangka Primary Health Centre, Buton Regency. The relationship shows that health status is one of the factors that influence the community in utilizing NCD Integrated Post. Thus, the more people suffering from NCD who are interested in utilizing NCD Integrated health Post. The

results of this study comparable Sasongko's research (2019) that based on the results of cross-tabulation between the health status of respondents with the use of NCD Integrated Post, p-value 0,000 was obtained because p-value <0.05 then H0 was rejected, which means there is a significant relationship between the health status of elderly women with the use of NCD Integrated Post in the working area of the Cilongok Health Centre(20).

CONCLUSIONS

Health status is one of the factors that influence the community in utilizing NCD Integrated Post. Other than that, cadre support is also a factor influencing the utilization of NCD Integrated Post in Barangka Public Health Centre, Buton Regency. Because the utilization of NCD Integrated Post is still very low, so efforts are needed to increase utilization through promotion and counseling about the benefits of Integrated post, increase socialization regarding NCD Integrated Post schedules, increase cadre capabilities with training and carry out monitoring and evaluation.

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