CHANGES IN MEDICATION-TAKING BEHAVIOR AMONG CHD WOMEN BEFORE AND DURING THE COVID-19 PANDEMIC

Sulistyowati Tuminah, Woro Riyadina, Lely Indrawati

National Institute of Health Research and Development
Ministry of Health, Republic of Indonesia

ABSTRACT

Background: During the pandemic of Corona Virus Disease (COVID-19), restriction on in the community and in health facilities has led to changes in treatment behavior, especially among coronary heart disease (CHD) sufferers. Many people did not take their medication even though they had CHD diagnosed. This study aimed to define the factors associated with changes in medication-taking behavior among female CHD sufferers during the COVID-19 pandemic.

Subjects and Method: This was a longitudinal study using secondary data from a study entitled "The impact of the Covid-19 pandemic on mental health and seeking health services for NCD comorbid patients" which was conducted in October 2020 using "Lime Survey" online application to the respondents of Non-Communicable Disease (NCD) Risk Factors Cohort Study at 5 villages at Central Bogor District, Bogor City. A total of 433 CHD patients was selected purposively. The inclusion criteria of this research was female. The exclusion was incomplete data. The dependent variable was changes in medication-taking behavior before and during the pandemic of COVID-19. The independent variables including (1) age, (2) education, (3) job status, (4) comorbidity, (5) mental/emotional disorder (MED). The data were analyzed by logistic regression.

Results: The results of multivariate analysis showed that the odds ratio were 3.47-fold (OR= 3.46; 95% CI= 1.075 to 11.167; p= 0.037) higher for MED and 2.10-fold (OR=2.09; 95% CI= 0.88 to 4.99; p= 0.094) higher for age ≥ 55 years to change their medication-taking in the COVID-19 pandemic.

Conclusion: CHD women with MED and age ≥ 55 years tend to change their medication-taking behavior in the COVID-19 pandemic. The health providers should be more proactive to educate and service the people (especially CHD sufferers) relating to medication-taking behavior to raise public awareness to maintain their health.

Keywords: change of behavior, medication-taking, Coronary Heart Disease, COVID-19

Correspondence:

Sulistyowati Tuminah. National Institute of Health Research and Development, Ministry of Health, Republic of Indonesia. Jl. Percetakan Negara 29, Jakarta. Email: watidarjoko@gmail.com. Mobile: +62 8129575770.