

**Independent Study Title** Receiving Drug Use Information and Drug Use Behavior of  
Persons with Heart Failure Maharaj Nakorn Chiang Mai Hospital

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**ABSTRACT**

Heart failure is a chronic disease that affects many patients. The goal of treatment includes both an increase in effectiveness of myocardial contraction and a decrease in myocardial workload. A variety of pharmacologic agents are used for preventing complications of heart failure and improving heart function. This study aimed to examine drug use information and drug use behaviors among heart failure patients. Subjects included 90 heart failure patients attending the Out Patient Department, Maharaj Nakorn Chiang Mai Hospital. Study instruments consisted of Receiving Drug Use Information Questionnaire and Drug Use Behavior Questionnaire. Content validity was confirmed and found to be .84 for receiving drug use information questionnaire and .85 for drug use behavior questionnaire. Reliability was tested by Cronbach's alpha coefficient and found to be .93 for receiving drug use information questionnaire and .80 for drug use behavior questionnaire. Data were analyzed using descriptive statistics.

The results revealed that:

1. Receiving drug use information among heart failure patients at the Out Patient Department, Maharaj Nakorn Chiang Mai Hospital was at a moderate level, overall. The mean and standard deviation of receiving drug use information was 44.45 (S.D.=12.24). Considering each aspect of receiving drug use information, drug information, drug preparation, consumption and other drug use information showed a moderate level. Prevention or management of side effects were at a low level. Receiving drug use information of adult patients was also at a low level. The mean and standard deviation were 43.95 (S.D.=11.30). Receiving drug use information of elderly patients were at a moderate level. The mean and standard deviation were 45.02 (S.D.=11.29); and

2. Drug use behaviors among heart failure patients at Out Patient Department, Maharaj Nakorn Chiang Mai Hospital showed a moderate level, overall. The mean and standard deviation of drug use behaviors were 45.47 (S.D. = 2.99). Considering each aspect of drug use behaviors, medication compliance behaviors, prevention or management behaviors of side effects were at a moderate level and other drug use behavior were at a high level. Drug use behaviors of adult patients were at high level. The mean and standard deviation of drug use behaviors were 48.93 (S.D.=3.94). Drug use behaviors of elderly patients were at a moderate level. The mean and standard deviation of drug use behaviors were 46.46 (S.D.=3.29).

The information obtained from this study will provide basic information for health professionals to develop guideline in promoting drug use behavior among persons with heart failure by providing appropriate information regarding drug use.