Knowledge and Practice of Self-Care Management of Persons with Type II Diabetes At a Health Centre in East Trinidad

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Objectives:

1. To determine the (a) levels of knowledge, and (b) proficiency of self-care of persons with Type II Diabetes attending Manzanilla Health Center, with regards to i) glucose monitoring ii) medication compliance iii) foot care.

2. To identify relationships between (a) level of knowledge and (b) proficiency of self-care with regards to i) glucose monitoring ii) medication compliance iii) foot care, and their socio-demographic characteristics of persons with Type II Diabetes Mellitus namely age, gender, marital stays, ethnicity and Religion.

Methods:

The approach of the study is a quantitative, descriptive, and cross-sectional study of the levels self-care knowledge and proficiency of self-care practice of persons with Type II Diabetes Mellitus with regards to: (i) blood glucose monitoring (ii) medication compliance and (iii) foot care, and explore relationships between a) level of self-care knowledge and socio-demographic characteristics of patients with Type II Diabetes mellitus. 66 consented and were recruited participated in the study. A researchers'-designed and pre-tested questionnaire was used for the exploration of levels of self-care knowledge and proficiency of self-care practice with regards to (i) glucose monitoring, (ii) medication compliance and (iii) foot care. Levels of self-care knowledge was categorized into three levels 'low', medium and high using our scoring modality.

Results:

The result describing the characteristics of the participants are highlighted in Table 1. A total of 66 patients with Type II Diabetes Mellitus consented and participated in the study of whom 23 (34.8%) were male and 43 (65.2%) were female. Age ranged from 18years to above 65 years, with most participants (47%) in the age group 49 years to less than 65 years among others. The levels of knowledge and the proficiency of self-care practice of the participants with regard to the dependent variables are highlighted in table 2, while the results regarding the relationship between the levels of (a) knowledge; or (b) proficiency of self-care practice of the participants with the dependent variables (i) glucose monitoring ii) medication compliance iii) foot care are illustrated in table 3.

Conclusions:

The results of the study concluded that there were almost twice as much female participants than male participants accessing health care at Manzanilla Health Center, the level of self-care knowledge with regards to medication compliance was generally high and regarding both blood glucose monitoring and foot care the level of self-care knowledge was generally medium, the proficiency of self-care practice with regards to blood glucose monitoring, medication compliance and foot care, were generally on the competent level and high levels of self-care knowledge on medication compliance did not like to expert proficiency in self-care practice of medication compliance.

References:

