

Type 2 Diabetes Mellitus Among a St. Lucian Population: What We Know about Lifestyle Modification

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Abstract : Background: Type 2 diabetes mellitus, a non-communicable metabolic disorder, is a fast-growing problem for health, as it presents numerous complications and death worldwide. St. Lucia, much like most other emerging nation in the Caribbean, struggles with the management of type 2 diabetes mellitus (T2DM) among its populace. Good knowledge, attitude, and practices [KAP] of T2DM are essential in the prevention and management of this disease. Lifestyle adaptation, including increased knowledge, positive attitude, and efficient practice towards lifestyle modifications, can avert the advancement of difficulties associated with diabetes. Methods: An institutional-based cross-sectional study was conducted during the period June 15, 2022, to July 15 2022. Data were collected by using the self-administered questionnaire designed to collect the required information from participants, and the data was analyzed using the statistical package for social science (SPSS) version 26. Knowledge, attitude, and practice of lifestyle modification among participants were determined using descriptive statistics. Results: A total of 402 participants completed the study, fully yielding an 84% response rate. Overall, the assessed levels of KAP relating to the life-threatening complications of T2DM were moderate. Results further indicated that women outnumbered men 68.4% to 31.6%, respectively. Significant positive correlation ($r= 0.244$, $p<0.001$) and ($r=.203$, $p<0.001$) were found between the knowledge level as well as the attitude level of study respondents. Conclusion: The overall study findings regarding the level of knowledge and attitude concerning lifestyle modifications among study participants were interpreted as generally high. However, the practice of healthy lifestyle modification habits was poor. The current findings suggest a need for structured educational campaigns prioritizing the importance of lifestyle modifications (weight loss, smoking cessation, physical exercise) to the general population.

Keywords : Diabetes, knowledge, lifestyle, survey

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