

Title : Assessing Undergraduate Science Students' Understanding of Type 2 Diabetes at Chiang Mai University, Academic Year 2025

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ABSTRACT

The objective of this research was to assess the level of knowledge and understanding regarding diabetes mellitus among students in the Faculty of Science, Chiang Mai University, for the 2025 academic year. Data were collected using a questionnaire from a sample of 182 students, selected through stratified random sampling based on fields of study, followed by simple random sampling within each stratum. Descriptive statistics, including frequency and percentage, were utilized for data analysis. Inferential statistics, specifically the Mann-Whitney U test and the Kruskal-Wallis test, were employed to examine relationships and compare the levels of knowledge and understanding of diabetes across different variables. The results revealed that the majority of the sample were female (59.89%), and 62.09% had a direct relative with diabetes. When categorized into levels of knowledge (low-moderate and high), it was found that gender, academic year, field of study, and having a direct relative with diabetes were associated with the level of knowledge and understanding of the disease. Furthermore, significant differences in knowledge scores were observed regarding academic year, field of study, and family history of diabetes; however, no significant difference was found regarding gender.