

Background

Within the United States, diabetes continues to be a major public health concern, affecting 34.2 million diagnosed adults and approximately 7.3 million undiagnosed adults, representing 34.5% of all U.S. adults

It has been investigated how chronic health conditions like diabetes are influenced by health behaviors and health risk selfassessment

There are lapses in knowledge regarding how diabetes predictors influence diabetes risk self-assessment and overall diabetes development trajectories

Objective

To determine if there is an association between Prior Family History and Composite Knowledge Score or BMI Category.

Methods

- Secondary analysis on a cross-sectional survey collected (n= 696) in University of West Virginia in 2018.
- The average age of participants was 21-22 years old. The survey consisted of 23 knowledge related to diabetes which were then used to calculate knowledge scores.
- 2 chi² tests were conducted to determine association between prior family history and composite knowledge score or BMI Category.

Family History Plays a Predictive Role in Association with BMI Weight Category and Diabetes Knowledge

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Conclusions

• In this study, it was found that there was a statistical association between prior family history of diabetes and BMI values. It was was also noted, that while no statistical association, there still may be a possible association between prior history and knowledge score

 Educational and health facilities to increase their efforts in educating individuals about diabetes and their risk factors to decrease their risk.

References

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