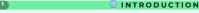
PREDIABETES: Knowledge, Attitudes, Practices & Risk level in the UAE

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- Prediabetes is a reversible state of mild hyperglycemia that increases the risk of developing type 2 diabetes mellitus (TZDM)¹ by 5 to 6 fold.² Early detection and management are effective in delaying and / or avoiding the onset of T2DM.
 - Raising awareness on prediabetes is associated with increased engagement in healthy habits and decreased risk of developing T2DM.

To determine the knowledge, attitudes, practices (KAP), and risk level of prediabetes and their associated factors in the adult UAE

METHODS

- · A cross-sectional study was conducted using non-probability convenience and snowball sampling of 414 individuals from the UAE adult population during February and March of 2022.
- Data was collected through a self-administered online questionnaire.
- The validated Knowledge Attitude Practice-Prediabetes Assessment Questionnaire (KAP-PAQ) and the Finnish Diabetes Risk Score (FINDRISC)⁶ were adopted alongside other complimentary questions.
- · IBM SPSS 28 was used to analyze the data. Chi-Square tests, frequencies, and percentages were reported.

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Neutral

Negative | 1756

🔼 💹 RESULTS

▶ DEMOGRAPHICS

- 64.3% (n=266) of participants were
- 75.6% (n=313) were 18-45 years old 20.8% (n=86) had 1 or more chronic
 - n=63 of them have diabetes mellitus & / or hypertension.

KNOWLEDGE

- · Having any chronic illness was correlated with significantly better knowledge of prediabetes (p<.001).
- 71% (n=294) of participants were willing to watch an educational video to learn more about prediabetes

► ATTITUDE

- · Only 16.7% of participants (n=69) were aware that having prediabetes does not mean an inevitable progression to T2DM
- · Positive attitudes (feelings, beliefs, & preconceived ideas) towards prediabetes were not associated with lower risk levels, knowledge, or practices

▶ PRACTICES

• People who were aware controlling blood sugar can stop prediabetes from progressing into T2DM were more likely to have better lifestyle practices (p=.009).











Factors associated with: Better Practices







DISCUSSION

- · A significant proportion of our non-diabetic population is at a high risk of developing prediabetes and T2DM, which is slightly lower than the prevalence reported in Dubai's population?
- · Other studies show that increasing knowledge leads to positive effects on attitudes and practices.5 Accordingly, there lies an evident need to incentivize the development of prediabetes awareness programs.
- · The significant correlation between awareness of the effect of managing prediabetes on avoiding progression to T2DM should be a key point to be considered in these programs.
- The association between having chronic illnesses and higher knowledge levels may be due to health-information-seeking behavior^a in this group.

CONCLUSION

 The knowledge about prediabetes is generally insufficient and healthy lifestyle practices are lacking. Most participants showed an interest in learning more about prediabetes. The findings suggest a need for targeted interventions to improve KAP towards prediabetes, as well as an increased emphasis on prediabetes awareness programs in the UAE.

LIMITATIONS

- · The sample does not accurately represent the population of the UAE due to the use of convenience and snowball sampling.
- · Self-reported data may be subject to recall bias

