

## **P-625 - EPIDEMIOLOGICAL ESTIMATION OF DEPRESSION AMONG TYPE II DIABETES MELLITUS IN PRIMARY FAMILY HEALTH CARE CENTERS IN ALEXANDRIA: A CROSS SECTIONAL STUDY**

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**Background:** In Egypt, the total number of persons with diagnosed and undiagnosed Diabetes is expected to increase more than double from 3.80 million to 8.80 million by the year 2025.compared with the prevalence of depression among normal subjects. These reports indicate that >25% of patients with diabetes reach clinical criteria for depression, a rate far higher than in the general population. The comorbidity of diabetes and depression is associated with adverse diabetic outcomes, compared with nondepressed diabetic patients.

**Aim:** To determine prevalence of depression among type II diabetic patients attending family health centers in Alexandria.

**Material and method:** A sample size of approximately 303 adult diabetic cases of type II in the age category of (20-60) years old based on a prevalence of 27% of depression in diabetics, degree of precision of 5% and confidence level of 95%, will be randomly selected from the attendees of the studied family health facilities. Two days of the week will be selected randomly to visit the studied primary health care facilities till the allocated sample size is reachedAn interview questionnaire will be designed for depression assessment by using the Hamilton Depression Rating Scale (HAM-D) among type II diabetic patients.

**Results:** 40.18% (n=135) of diabetic patients in our study showed moderate to severe depression, 12.2%(n=41) showed mild depression while 47.62%(n=160) showed normal values on HAM-D scale.Moderate to severe depression was present in 39.1% and 40.7% in males and females respectively.