

عنوان مقاله:

Determining the factors related to diabetes type II with mixed logistic regression

محل انتشار:

مجله بین المللی تحقیقات اپیدمیولوژیک، دوره 3، شماره 4 (سال: 1395)

تعداد صفحات اصل مقاله: 7

نویسندگان:

fariba asadi - *Shahid sadoughi University of Medical Sciences, Yazd, I.R. Iran*

.Hossein Fallahzadeh - *Biostatistics Dept., Shahid Sadoughi University of Medical Sciences, Yazd, I.R. Iran*

.Masoud Rahmanian - *Diabetes Research Center, Shahid Sadoughi University of Medical Sciences, Yazd, I.R. Iran*

خلاصه مقاله:

Background and aims: Diabetes type II (non-insulin dependent) which is one of the most prevalent diabetes types in the world emerges in people with the age of above ۵۵ and genetic and environmental factors interfere in this disease. The aim of this study was to determine the factors affecting diabetes type II with generalized mixed linear model. Methods: Population of this study included ۲۸۲۰ people with the age of above ۳۰ residing in Yazd Province who were selected using cluster sampling. To analyze the data, mixed logistic regression model was used in R software. Results: In this study, ۲۵% of men and ۲۴.۳% of women had diabetes. The regression analysis showed that age, WHR, family diabetes record, and BMI of ۰۰۱ were the factors affecting diabetes, while variables of gender, house area, and education were not significant. On the other hand, unknown factors of residence place had high correlation with affliction with diabetes. Conclusion: Based on the results obtained from this study, change of lifestyle and prevention of obesity can prevent affliction with diabetes to a great extent.

کلمات کلیدی:

Diabetes, Logistic regression, Mixed models, GLMM

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1228263>

