**The Trend of 10-year Cardiovascular Risk among diabetic and non-diabetic participants in Tehran Lipid and Glucose Study: 1999-2018**

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**Additional file 1: Table S1**

**Table S1.** Age-adjusted marginal means of the ACC/AHA CVD risk score and risk factors among diabetic and non-diabetic adults aged 40-79 separated by sex; Teheran Lipid and Glucose Study (1999 - 2018)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Sex | Diabetes status | Examination cycles | P trend  | P interaction  |
| **Ⅰ** | **Ⅱ** | **Ⅲ** | **Ⅳ** | **Ⅴ** | **Ⅵ** |
| ACC/AHA risk score | **Men** | Diabetics | 13.79 | 14.31 | 13.30 | 12.29 | 11.76 | 11.54 | <0.001 | 0.115 |
| Non-Diabetics | 6.85 | 6.80 | 6.53 | 5.95 | 5.74 | 5.01 | <0.001 |
| **Women** | Diabetics | 5.32 | 5.72 | 5.00 | 5.26 | 5.63 | 5.50 | <0.001 | <0.001 |
| Non-Diabetics | 3.20 | 2.94 | 2.65 | 2.52 | 2.30 | 1.61 | <0.001 |
| SBP | **Men** | Diabetics | 131.05 | 126.65 | 125.78 | 125.18 | 123.40 | 121.62 | <0.001 | 0.003 |
| Non-Diabetics | 124.87 | 122.34 | 121.76 | 121.40 | 121.79 | 119.80 | <0.001 |
| **Women** | Diabetics | 133.27 | 127.77 | 124.34 | 123.86 | 122.71 | 117.65 | <0.001 | 0<0.001 |
| Non-Diabetics | 126.82 | 121.85 | 118.62 | 119.85 | 119.64 | 114.40 | <0.001 |
| TC | **Men** | Diabetics | 219.61 | 201.57 | 197.24 | 195.49 | 191.21 | 182.63 | <0.001 | <0.001 |
| Non-Diabetics | 212.32 | 194.75 | 192.93 | 193.75 | 197.38 | 194.99 | <0.001 |
| **Women** | Diabetics | 241.94 | 218.84 | 212.79 | 202.78 | 193.32 | 184.00 | <0.001 | <0.001 |
| Non-Diabetics | 231.98 | 209.16 | 205.16 | 204.40 | 206.26 | 202.09 | <0.001 |
| HDL-C | **Men** | Diabetics | 37.69 | 34.64 | 37.02 | 41.94 | 43.13 | 41.82 | <0.001 | 0.375 |
| Non-Diabetics | 39.23 | 35.68 | 38.08 | 42.65 | 43.91 | 42.62 | <0.001 |
| **Women** | Diabetics | 45.28 | 41.06 | 43.46 | 48.74 | 50.75 | 49.41 | <0.001 | <0.001 |
| Non-Diabetics | 45.73 | 41.72 | 44.53 | 51.21 | 53.25 | 51.32 | <0.001 |
| FPG | **Men** | Diabetics | 152.53 | 159.77 | 150.41 | 156.01 | 149.11 | 148.42 | 0.067 | <0.001 |
| Non-Diabetics | 93.53 | 93.87 | 92.71 | 97.38 | 97.46 | 95.04 | <0.001 |
| **Women** | Diabetics | 164.17 | 156.54 | 152.03 | 150.61 | 143.30 | 134.20 | <0.001 | <0.001 |
| Non-Diabetics | 93.35 | 93.89 | 92.94 | 97.11 | 96.44 | 92.56 | <0.001 |
| Current Smoking, % | **Men** | Diabetics | 24 | 23 | 21 | 19 | 24 | 25 | 0.573 | 0.456 |
| Non-Diabetics | 22 | 24 | 23 | 21 | 22 | 24 | 0.890 |
| **Women** | Diabetics | 2 | 4 | 3 | 2 | 4 | 4 | 0.206 | 0.706 |
| Non-Diabetics | 3 | 3 | 3 | 3 | 3 | 3 | 0.643 |

SBP, Systolic Blood Pressure; TC, Total Cholesterol; HDL-C, High-Density Lipoprotein Cholesterol; FPG, Fasting Plasma Glucose. Models for assessment of time trend were fitted separately for diabetic and non-diabetic subjects, and age-adjusted marginal means and p-values for trend were reported. Meanwhile, the interaction of diabetes status with time was assessed by fitting a model including diabetes status, the follow-up time and their cross-product in a pooled model including both diabetic and non-diabetic participants, and p-values for the cross-product term were reported as p for trend.