**Appendix D.** Trends in prevalence of CVD event risks among U.S. adults aged ≥ 18 years with no prior CVD history* by glycemic status, NHANES 1988 to 2014, NHANES 1988 to 2014

| | 1988-1994 | 1999-2004 | 2005-2010 | 2011-2014 | Δ from 88-94 to 11-14 | P interaction |
|---|---|---|---|---|---|---|
| | **n=8007** | **n=6640** | **n=7861** | **n=5463** | | P trend |
| **10-yr CVD risk** | | | | | | |
| *Framingham* | | | | | | <0.001 |
| Diagnosed diabetes | 15.2 (13.7-16.7) | 13.1 (12.3-13.8) | 10.7 (10.1-11.2) | 10.8 (9.9-11.7) | -4.4 (-6.0, -2.8) | <0.001 |
| Undiagnosed diabetes | 9.7 (8.8-10.7) | 8.8 (7.8-9.9) | 6.3 (5.4-7.1) | 7.9 (5.5-10.2) | -1.8 (-4.3, 0.7) | 0.033 |
| Prediabetes | 7.2 (6.8-7.6) | 6.4 (6.2-6.7) | 5.3 (5.1-5.5) | 5.2 (4.9-5.5) | -2.0 (-2.4, -1.6) | <0.001 |
| Normal glycemic status | 5.4 (5.2-5.6) | 5.3 (5.2-5.5) | 4.7 (4.5-4.8) | 4.7 (4.6-4.9) | -0.7 (-1.0, -0.4) | <0.001 |
| | | | | | | |
| *UKPDS* | | | | | | <0.001 |
| Diagnosed diabetes | 19.3 (17.2-21.4) | 15.9 (14.7-17.1) | 11.7 (11-12.5) | 12.7 (11-14.3) | -6.6 (-9.3, -3.9) | <0.001 |
| Undiagnosed diabetes | 15.1 (13.3-16.9) | 13.7 (11.1-16.3) | 10.4 (8.7-12.2) | 10.9 (8.2-13.6) | -4.2 (-7.5, -0.9) | 0.002 |
| Prediabetes | 8.6 (8.0-9.2) | 7.5 (7.2-7.9) | 6.2 (5.9-6.5) | 6.0 (5.6-6.5) | -2.6 (-3.3, -1.9) | <0.001 |
| Normal glycemic status | 6.0 (5.7-6.3) | 5.9 (5.6-6.1) | 5.2 (5.0-5.4) | 5.2 (4.9-5.4) | -0.8 (-1.2, -0.4) | <0.001 |
| | | | | | | |
| *ASCVD* | | | | | | 0.170 |
| Diagnosed diabetes | 19.2 (17.3-21.1) | 17.3 (15.9-18.7) | 15.9 (14.8-17.0) | 16.0 (14.5-17.5) | -3.2 (-5.4, -1.0) | 0.003 |
| Undiagnosed diabetes | 18.9 (16.4-21.4) | 18.7 (16-21.3) | 18.2 (16.3-20.1) | 17.6 (11.7-23.5) | -1.3 (-7.7, 5.1) | 0.653 |
| Prediabetes | 7.7 (7.3-8.1) | 7.6 (7.2-8.1) | 6.3 (5.8-6.7) | 6.2 (5.6-6.7) | -1.5 (-2.2, -0.8) | <0.001 |
| Normal glycemic status | 6.3 (5.9-6.6) | 6.5 (6.2-6.8) | 5.6 (5.3-5.9) | 5.5 (5.1-5.9) | -0.8 (-1.4, -0.2) | <0.001 |

*excludes adults with self-reported history of congestive heart failure, myocardial infarction, and stroke

Abbreviations: NHANES, National Health and Nutrition Examinations Surveys; CVD, cardiovascular disease; UKPDS, United Kingdom Prospective Diabetes Study; ASCVD, Atherosclerotic Cardiovascular Disease guidelines (from American Heart Association and American College of Cardiology); MI, myocardial infarction; yr, year; FPG, fasting plasma glucose

10-yr CVD risk calculated using Framingham, UKPDS, and ASCVD risk scores

All analyses adjusted for age, sex, and race/ethnicity

P for trend: Calculated for each glycemic status group by including a continuous variable for the midpoint of each survey period in logistic regression models; significant values indicated variation over time _within_ glycemic groups