SUPPLEMENTARY DATA

Supplementary Table1. Fixed effects for multilevel models of change over time of $\log_2$(adiponectin) concentrations before diabetes diagnosis or end of follow-up among white participatns.

	Model 1	Model 2	Model 3	Model 4	Model 5
Incident diabetes	-0.24(0.05)*	-	-	-	-
Early-onset diabetes	-	-0.45(0.13)†	-0.36(0.12)‡	NS	NS
Late-onset diabetes	-	-0.26(0.05)*	-0.23(0.05)*	-0.10(0.05) p=0.051	-0.10(0.05)§
Female	0.79(0.03)*	-	0.79(0.03)*	0.80(0.03)*	0.61(0.03)*
Diabetes x Female	-0.20(0.10)§	-	-0.19(0.10)§	-0.22(0.10)§	-0.21(0.10)§
Time (per year)	-0.005(0.001)*	-0.004(0.001)*	-0.005(0.002)*	NS	0.005(0.001)*
Female x Time	NS	-	NS	NS	0.006(0.002) ‡
Diabetes x Time	NS	NS	NS	NS	NS
Early-onset diabetes x Time	-	-0.029(0.012)§	-0.026(0.012)§	NS	NS
Diabetes x Female x Time	-0.018 (0.006)‡	-	-0.018(0.005)†	-0.018(0.005)‡	-0.011(0.003)‡
BMI (per 1 kg/m2)	-	-	-	-0.049(0.003)*	-
Waist (per cm)	-	-	-	-	-0.016(0.000)*

Data are regression coefficients (SE). All models were adjusted for age at the end of follow-up. Model 1 is also adjusted for sex, model 2 for early-onset diabetes (<52 years of age at diabetes diagnosis), model 3 for both sex and early-onset diabetes, model 4 is as model 3 but further adjusted for BMI, model 5 is model 3 with additional adjustment for waist circumference. Trajectories are for 270 white incident diabetes cases and 2299 white controls. Models with the lowest information criteria are shown. * P<0.0001, † P<0.001, ‡ P<0.01, § P<0.05. '-', variable not included in the model; NS, not significant (P>0.05) terms were dropped from the final model.

SUPPLEMENTARY DATA

Supplementary Table 2. Fixed effects for multilevel models of change over time of $\log_2$(adiponectin) concentrations before diabetes diagnosis or end of follow-up.

	Model 1	Model 2	Model 3	Model 4
Incident diabetes	-0.23(0.05)*	-	-	-
Early-onset diabetes	-	-0.40(0.12)†	-0.30(0.11)‡	-0.24(0.11)§
Late-onset diabetes	-	-0.27(0.05)*	-0.23(0.05)*	-0.79(0.05)*
Female	0.77(0.03)*	-	0.77(0.03)*	0.77(0.03)*
Diabetes x Female	-0.17(0.09)§	-	-0.17(0.09)§	-0.19(0.09)§
Time (per year)	-0.005(0.001)*	-0.012(0.003)*	-0.005(0.001)*	-0.004(0.001)
Female x Time	NS	-	NS	NS
Diabetes x Time	NS	NS	NS	NS
Early-onset diabetes x Time	-	-0.026(0.011)§	-0.023(0.011)§	NS
Diabetes x Female x Time	-0.016(0.006)‡	-	-0.016(0.005)†	0.015(0.005)‡
Fasting insulin (per µIU/ml)				-0.004(0.001)*

Data are regression coefficients (SE). All models were adjusted for age at the end of follow-up and ethnicity (white/non-white). Model 1 is also adjusted for sex, model 2 for early-onset diabetes (<52 years of age at diabetes diagnosis), model 3 for both sex and early-onset diabetes, model 4 is model 3 further adjusted for fasting insulin level. Trajectories in 335 incident diabetes cases and 2475 controls. Models with the lowest information criteria are shown. * P<0.0001, † P<0.001, ‡ P<0.01, § P<0.05. NA, not applicable (variable not included in the model); NS, not significant (P>0.05) terms were dropped from the final model.