

Supplementary Table 1. Association between HbA1c and relative handgrip strength by employment duration

	Model 1 ^a	Model 2 ^b
Employment duration 0–5 years		
All (n = 228)		
Regression coefficient ^c	–0.060	–0.030
95% CI ^d	–0.111 to –0.009	–0.089 to 0.028
p-value	0.021	0.311
Normoglycemia (n = 103)		
Regression coefficient	0.045	–0.066
95% CI	–0.283 to 0.374	–0.401 to 0.268
p-value	0.784	0.694
Prediabetes (n = 96)		
Regression coefficient	–0.144	–0.100
95% CI	–0.378 to 0.091	–0.350 to 0.151
p-value	0.227	0.431
DM ^e (n = 29)		
Regression coefficient	0.042	0.046
95% CI	–0.021 to 0.104	–0.087 to 0.179
p-value	0.181	0.467
6–10 years		
All (n = 141)		–
Regression coefficient	–0.061	–0.033
95% CI	–0.117 to –0.005	–0.107 to 0.042
p-value	0.032	0.387
Normoglycemia (n = 58)		
Regression coefficient	–0.379	–0.384
95% CI	–0.814 to 0.056	–0.926 to 0.158
p-value	0.086	0.160
Prediabetes (n = 68)		
Regression coefficient	0.046	0.014
95% CI	–0.236 to 0.329	–0.298 to 0.326
p-value	0.746	0.926
DM (n = 15)		
Regression coefficient	–0.012	0.097
95% CI	–0.105 to 0.081	–0.460 to 0.653
p-value	0.788	0.271
11–20 years		
All (n = 616)		
Regression coefficient	–0.085	–0.071
95% CI	–0.117 to –0.053	–0.110 to –0.033
p-value	<0.001	<0.001
Normoglycemia (n = 215)		
Regression coefficient	–0.196	–0.233
95% CI	–0.396 to 0.003	–0.440 to –0.025
p-value	0.053	0.028
Prediabetes (n = 325)		
Regression coefficient	–0.150	–0.135
95% CI	–0.255 to –0.046	–0.240 to –0.031
p-value	0.005	0.011
DM (n = 76)		
Regression coefficient	–0.045	–0.042
95% CI	–0.100 to 0.009	–0.098 to 0.014
p-value	0.100	0.141
>20 years		
All (n = 838)		
Regression coefficient	–0.064	–0.068
95% CI	–0.088 to –0.040	–0.100 to –0.037

<i>p</i> -value	<0.001	<0.001
Normoglycemia (n = 197)		
Regression coefficient	-0.108	-0.164
95% CI	-0.291 to 0.074	-0.367 to 0.038
<i>p</i> -value	0.242	0.111
Prediabetes (n = 472)		
Regression coefficient	-0.140	-0.111
95% CI	-0.231 to -0.049	-0.205 to -0.017
<i>p</i> -value	0.003	0.021
DM (n = 169)		
Regression coefficient	-0.041	-0.043
95% CI	-0.077 to -0.005	-0.079 to -0.007
<i>p</i> -value	0.025	0.019

HbA1c: glycated hemoglobin; CI: confidence interval; DM: diabetes mellitus.

^aModel 1 is adjusted for age; ^bModel 2 is adjusted for age, hemoglobin, estimated glomerular filtration rate, current hypertension, current hyperlipidemia, current hypoglycemic-agent use, family diabetes history, smoking, alcohol use, leisure-time physical activity, resistance exercise; ^cThe regression coefficients represent the change in relative handgrip strength for each 1% increase in HbA1c.