

Supplemental Table 1. Association between glycemic status and physical function over time: results from multivariate linear mixed models

Variables	Grip strength		Gait speed	
	Coef. (95% CI)	p-value	Coef. (95% CI)	p-value
Age, years	-0.223 (-0.269, -0.177)	<0.001	-0.004 (-0.005, -0.003)	<0.001
Glycemic status				
<i>Normal</i>	Ref		Ref	
<i>IFG*time</i>	-0.091 (-0.203, 0.020)	0.109	-0.000 (-0.003, 0.003)	0.922
<i>Controlled DM*time</i>	0.002 (-0.199, 0.202)	0.985	-0.004 (-0.009, 0.001)	0.167
<i>Uncontrolled DM*time</i>	0.174 (-0.084, 0.432)	0.186	-0.002 (-0.008, 0.005)	0.601
HIV	0.438 (-0.311, 1.188)	0.251	-0.003 (-0.017, 0.011)	0.703
Time since baseline, years	0.263 (0.181, 0.345)	<0.001	0.005 (0.003, 0.006)	<0.001

Supplemental Table 2. Association between glycemic status and physical function: results from univariate linear mixed models

Variables	Grip strength		Gait speed	
	Coef. (95% CI)	p-value	Coef. (95% CI)	p-value
Age, years	-0.267 (-0.281, -0.252)	<0.001	-0.006 (-0.006, -0.006)	<0.001
Glycemic status				
<i>Normal</i>	Ref		Ref	
<i>IFG</i>	0.175 (-0.003, 0.353)	0.054	0.012 (0.008, 0.017)	<0.001
<i>Controlled DM</i>	-0.663 (-1.021, -0.305)	<0.001	-0.008 (-0.018, 0.001)	0.093
<i>Uncontrolled DM</i>	-1.568 (-2.091, -1.046)	<0.001	-0.018 (-0.032, -0.004)	0.012
HIV	0.740 (0.180, 1.301)	0.010	-0.016 (-0.027, -0.004)	0.007
BMI (class)				
<i>underweight/normal</i>	ref		ref	
<i>overweight</i>	0.712 (0.481, 0.944)	<0.001	-0.001 (-0.007, 0.005)	0.815
<i>obese</i>	0.638 (0.299, 0.976)	<0.001	-0.027 (-0.035, -0.018)	<0.001
Race				
<i>White</i>	ref		ref	
<i>Black</i>	0.629 (-0.119, 1.378)	0.099	-0.047 (-0.061, -0.033)	<0.001
<i>Others</i>	-1.531 (-2.785, -0.278)	0.017	-0.021 (-0.045, 0.002)	0.079
College education	0.134 (-0.259, 0.528)	0.504	0.023 (0.013, 0.032)	<0.001
Center				
<i>Baltimore</i>	ref		ref	
<i>Chicago</i>	1.416 (0.430, 2.401)	0.005	0.003 (-0.015, 0.022)	0.725
<i>Pittsburgh</i>	1.691 (0.781, 2.600)	<0.001	-0.029 (-0.046, -0.012)	0.001
<i>Los Angeles</i>	-0.117 (-1.008, 0.774)	0.797	-0.044 (-0.060, -0.027)	<0.001
Cohort				
<i>1984</i>	ref		ref	
<i>1987</i>	0.934 (-0.486, 2.353)	0.197	-0.003 (-0.031, 0.024)	0.803
<i>2001</i>	1.839 (1.109, 2.568)	<0.001	-0.008 (-0.021, 0.006)	0.285
<i>2010</i>	2.694 (1.683, 3.705)	<0.001	-0.011 (-0.031, 0.008)	0.263
Smoking status				
<i>Never</i>	ref		ref	
<i>Former</i>	-0.673 (-1.309, -0.036)	0.038	-0.043 (-0.056, -0.030)	<0.001
<i>Current</i>	0.115 (-0.544, 0.773)	0.733	-0.031 (-0.045, -0.018)	<0.001
History of cocaine use	-0.463 (-0.931, 0.005)	0.052	-0.015 (-0.026, -0.005)	0.004
History of marijuana use	-0.665 (-1.139, -0.191)	0.006	-0.015 (-0.026, -0.004)	0.008
Alcohol use				
<i>None</i>	ref		ref	
<i>Low-moderate</i>	0.770 (0.511, 1.028)	<0.001	0.024 (0.017, 0.031)	<0.001
<i>Moderate-binge</i>	1.029 (0.723, 1.336)	<0.001	0.028 (0.020, 0.036)	<0.001
Liver disease	-0.929 (-1.835, -0.024)	0.044	-0.060 (-0.083, -0.037)	<0.001
Kidney disease	-0.913 (-1.147, -0.679)	<0.001	-0.021 (-0.027, -0.015)	<0.001
Hypertension	-0.533 (-0.714, -0.352)	<0.001	-0.024 (-0.029, -0.019)	<0.001
Arthritis	-0.094 (-0.300, 0.488)	0.640	-0.006 (-0.017, 0.004)	0.246

Depression (CESD\geq16)	-0.250 (-0.442, -0.057)	0.011	-0.015 (-0.020, -0.010)	<0.001
Testosterone use	0.744 (0.249, 1.239)	0.003	0.000 (-0.012, 0.012)	0.990
Hepatitis B infection	1.616 (0.248, 2.984)	0.021	-0.009 (-0.041, 0.023)	0.582
Hepatitis C infection	-1.849 (-2.847, -0.851)	<0.001	-0.065 (-0.087, -0.043)	<0.001