

Supplementary Table 1. The association of hePRS-IR, mePRS-IR, IGF-1, IGFBP-1, and -3 in a subsample in older adults

Dependent variable	No.	Men			Women		
		Crude b (95% CI)	Adjusted b (95% CI)	P value	Crude b (95% CI)	Adjusted b (95% CI)	P value
hePRS-IR							
IGF-1, ng/mL	233	-0.02 (-7.2 to 7.2)	-0.5 (-7.9 to 6.9)	0.89	3.8 (-4.8 to 12.5)	2.8 (-6.6 to 12.2)	0.39
IGFBP-1, ng/mL	233	0.6 (-9.8 to 11)	0.002 (-9.8 to 9.8)	1	-19.4 (-30.6 to -8.2)	-17.6 (-29 to -6.1)	0.001
IGFBP-3, ng/mL	233	40.7 (-390.5 to 471.9)	46.2 (-385.3 to 477.7)	0.83	176.2 (-346.6 to 698.9)	128.7 (-394.3 to 651.6)	0.51
mePRS-IR							
IGF-1, ng/mL	233	-1.5 (-8.4 to 5.5)	-2.3 (-9.6 to 5.1)	0.55	-12.3 (-21.2 to -3.4)	-10.6 (-19.5 to -1.8)	0.01
IGFBP-1, ng/mL	233	-10.6 (-22.6 to 1.3)	-11.1 (-21.2 to -0.9)	0.03	7.2 (-5.2 to 19.6)	7.4 (-5.7 to 20.5)	0.26
IGFBP-3, ng/mL	233	-144.4 (-549.5 to 260.7)	-122.8 (-543.5 to 297.9)	0.57	-74.7 (-585.2 to 435.7)	-56.4 (-552.9 to 440)	0.77

Crude models are adjusted for age and population stratification. Fully adjusted models are additionally adjusted for smoking, alcohol consumption, socioeconomic status, presence of chronic diseases, birth weight, and leisure-time physical activity.
 hePRS-IR, polygenic risk score for the hippocampal-insulin receptor; mePRS-IR, polygenic risk score for the mesocorticolimbic-insulin receptor; IGF-1, insulin growth factor 1; IGFBP-1, insulin growth factor-binding protein 1; IGFBP-3, insulin growth factor-binding protein 3; CI, confidence interval.