Supplemental Table S1. Sensitivity Analysis for the Odds of Weak HGS in the Offspring according to Parental HGS Based on the KWGS 2023 Threshold

Parental HGS	LS mean HGS in offspring, kg	P value[a]	Offspring		OR (95% CI)	P value[b]
			Weak HGS (n=118)	Normal (n=1,832)		
No parent with weak HGS (n=1,680)	33.1±0.5	-	91 (77.1)	1,589 (86.7)	1.00	-
One parent with weak HGS (n=235)	31.2±0.6	<0.001	22 (18.6)	213 (11.6)	1.73 (1.09–2.75)	0.021
Both parents with weak HGS (n=35)	29.7±1.2	0.004	5 (4.2)	30 (1.6)	2.64 (1.07–6.49)	0.035

Values are expressed as mean±standard error or number (%) unless otherwise indicated. The cutoff values for weak HGS were defined as <28.0 and <18.0 kg in men and women, respectively, based on the definition of sarcopenia from the KWGS 2023.

HGS, handgrip strength; KWGS, Korean Working Group on Sarcopenia; LS, least-square; OR, odds ratio; CI, confidence interval.

[a]P values were obtained in the mixed model, on assuming that random effects accounted for correlations within the same family; [b]P values were obtained through conditional logistic regression analysis.