

APPENDIX

Supplemental Table 1 Adjusted Odds Ratios (95% Confidence Interval) for Identifying 5 Cardiometabolic Disorders Among US Nonelderly Adults Without a Diagnosis of Diabetes, by Continuous SADHtR, WHtR, or BMI

Cardiometabolic Condition	Adiposity Indicator	Men Only		Women Only	
		Adjusted Odds Ratio	95% CI	Adjusted Odds Ratio	95% CI
Dysglycemia	SADHtR	1.59	0.99-2.54	2.04	1.42-2.94
	WHtR	1.60	1.02-2.52	2.02	1.50-2.70
	BMI	1.60	0.99-2.60	1.91	1.42-2.57
HyperNonHDLc	SADHtR	2.10	1.60-2.77*	2.12	1.36-3.28†
	WHtR	2.10	1.67-2.65*	2.03	1.35-3.06†
	BMI	1.67	1.35-2.06†	1.51	1.08-2.10†
Hypertension	SADHtR	2.66	1.76-4.03†	2.38	1.66-3.41
	WHtR	2.34	1.79-3.06†	2.14	1.49-3.07
	BMI	2.12	1.75-2.56	1.96	1.38-2.78
HyperALT	SADHtR	4.02	2.53-6.40*	2.07	1.49-2.86
	WHtR	3.27	2.15-4.99*	1.83	1.38-2.42
	BMI	3.30	2.35-4.64*	1.67	1.25-2.23
HyperGGT	SADHtR	3.52	2.26-5.47*	2.42	1.72-3.40
	WHtR	2.73	1.75-4.25*	2.32	1.68-3.21
	BMI	2.08	1.46-2.96†	1.92	1.47-2.50

Each adiposity indicator is scaled to its sex-specific interquartile range in these multivariable models.

Significant quadratic terms for adiposity indicators all have negative values.

BMI = body mass index (kg/m²); SADHtR = sagittal abdominal diameter/height ratio; WHtR = waist circumference/height ratio.

* $P < .001$ for adiposity quadratic term.

†.001 ≤ $P < .05$ for adiposity quadratic term.

Supplemental Table 2 Adjusted Odds Ratios (95% Confidence Interval) for Two Simultaneous Adiposity Indicators Competing in Models Identifying Cardiometabolic Disorders Among US Nonelderly Adults Without a Diagnosis of Diabetes

Cardiometabolic Condition	Two Competing Indicators	Adjusted Odds Ratio	95% CI	Two Competing Indicators	Adjusted Odds Ratio	95% CI	Two Competing Indicators	Adjusted Odds Ratio	95% CI
Dysglycemia	SADHtR	1.44	0.92-2.25	WHtR	1.67	1.06-2.62	SADHtR	1.16	0.72-1.87
	BMI	1.22	0.71-2.08	BMI	1.05	0.59-1.87	WHtR	1.51	0.95-2.42
HyperNonHDLc	SADHtR	2.78	1.71-4.51*	WHtR	3.87	2.14-7.01*	SADHtR	1.35	0.78-2.32
	BMI	0.75	0.49-1.13	BMI	0.51	0.32-0.82*	WHtR	1.59	0.91-2.78
Hypertension	SADHtR	2.51	1.22-5.15	WHtR	1.93	0.96-3.85	SADHtR	2.42	1.00-5.89
	BMI	0.98	0.58-1.66	BMI	1.12	0.60-2.10	WHtR	1.01	0.49-2.08
HyperALT‡	SADHtR	2.89	1.56-5.37†	WHtR	1.63	0.77-3.44	SADHtR	3.75	1.81-7.74
	BMI	0.94	0.53-1.66	BMI	1.45	0.70-3.03	WHtR	0.72	0.37-1.42
HyperGGT‡	SADHtR	5.43	3.01-9.79†	WHtR	4.71	1.68-13.2†	SADHtR	3.06	2.08-4.52
	BMI	0.51	0.31-0.82	BMI	0.50	0.20-1.25	WHtR	0.91	0.59-1.41

Each multivariable model includes men and women, and each adiposity indicator is scaled to its sex-specific interquartile range.

Significant quadratic terms for adiposity indicators all have negative values.

BMI = body mass index (kg/m²); SADHtR = sagittal abdominal diameter/height ratio; WHtR = waist circumference/height ratio.

* $P < .001$ for adiposity quadratic term.

† $.001 \leq P < .05$ for adiposity quadratic term.

‡Models for HyperALT and HyperGGT do not include a term for sex adjustment.