

Supplement Table 1 Receiver operating characteristics curves area under the curve (AUC) for categorical anthropometric measures

	Finnish (n=887)		Russian (n=344)		Somali (n=225)		Kurdish (n=348)	
	AUC (95% CI)	<i>p</i> -value	AUC (95% CI)	<i>p</i> -value	AUC (95% CI)	<i>p</i> -value	AUC (95% CI)	<i>p</i> -value
BMI ^a	0.73 (0.66-0.79)	0.006	0.74 (0.62-0.87)	0.873	0.67 (0.57-0.77)	0.421	0.61 (0.51-0.71)	0.226
WC ^b	0.75 (0.69-0.81)	0.404	0.76 (0.67-0.86)	0.874	0.71 (0.61-0.81)	0.964	0.67 (0.58-0.77)	0.248
WHR ^c	N/A	N/A	0.68 (0.58-0.78)	0.348	0.65 (0.55-0.75)	0.229	0.54 (0.47-0.61)	0.025
WHtR ^d	0.77 (0.72-0.83)	ref.	0.75 (0.61-0.90)	ref.	0.71 (0.61-0.80)	ref.	0.64 (0.55-0.74)	ref.

95% CI, 95% Confidence interval; BMI, Body mass index; WC, waist circumference; WHtR, waist-to-height ratio; WHR, waist-to-hip ratio.

^aBMI categories: normal BMI < 25 kg/m², overweight 25-29.9 kg/m², obese ≥ 30 kg/m²;

^bWC categories: normal WC < 94 cm (men)/ < 80 cm (women), overweight 94-102 cm (men)/ 80-88 cm (women), obese > 102 cm (men)/ > 88 cm (women);

^cWHtR categories: normal < 0.50; overweight 0.50-0.59; obese ≥ 0.60;

^dWHR categories: normal < 90 (men)/ < 0.85 (women), obese ≥ 90 (men)/ ≥ 0.85 (women).