

**Table 6 Proposed cut-off points based on the highest sensitivity and specificity values of anthropometric indices to classify overweight and obesity, based on body mass index level, in female students aged 12–14 years**

Ethnicity	Optimal threshold	WC		Optimal threshold	WHpR		Optimal threshold	WHtR		Optimal threshold	NC	
		Sensitivity	Specificity		Sensitivity	Specificity		Sensitivity	Specificity		Sensitivity	Specificity
<b>Arab</b>												
Overweight	69.60	0.81	0.80	0.79	0.64	0.46	0.44	0.86	0.79	30.30	0.84	0.82
Obesity	73.50	0.84	0.86	0.80	0.64	0.52	0.47	0.89	0.84	30.75	0.91	0.72
<b>Kurdish</b>												
Overweight	81.50	0.94	0.83	0.88	0.78	0.50	0.50	0.95	0.88	31.40	0.92	0.67
Obesity	86.75	0.91	0.89	0.91	0.86	0.68	0.53	0.91	0.77	32.75	0.86	0.90
<b>Sistani and Baluchi</b>												
Overweight	73.50	0.83	0.87	0.79	0.73	0.42	0.47	0.88	0.83	30.8	0.81	0.83
Obesity	81.75	0.89	0.94	0.83	0.78	0.64	0.53	0.89	0.96	32.30	1.00	0.92
<b>Turkish</b>												
Overweight	72.50	0.71	0.69	0.82	0.61	0.54	0.46	0.70	0.73	31.50	0.70	0.56
Obesity	78.50	0.77	0.86	0.83	0.62	0.58	0.50	0.77	0.83	31.50	0.85	0.52
<b>Turkman</b>												
Overweight	74.50	0.82	0.79	0.84	0.68	0.64	0.47	0.83	0.83	31.35	0.83	0.83
Obesity	79.50	0.89	0.84	0.86	0.67	0.74	0.49	0.94	0.84	32.25	0.94	0.85
<b>Total sample</b>												
Overweight	72.75	0.82	0.69	0.84	0.61	0.59	0.47	0.82	0.74	30.90	0.88	0.66
Obesity	77.70	0.82	0.78	0.84	0.60	0.59	0.50	0.80	0.84	31.60	0.90	0.72

WC = waist circumference; WHpR = waist-to-height ratio; WHtR = waist-to-hip ratio; NC = neck circumference.