

Table 4. Sensitivity and specificity of selected anthropometric indices for detecting dysglycaemia in three age groups in Omani adults

Index (cut-off)	Age < 25 years (n = 409)		Age 25–44 years (n = 711)		Age ≥ 45 years (n = 155)	
	Sensitivity					
	TP/ TP+FN	Sensitivity %	TP/ TP+FN	Sensitivity %	TP/ TP+FN	Sensitivity %
BMI (≥ 25.0)	44/117	37.6	249/335	74.3	64/108	59.3
WC (cm) (M ≥ 94/ F ≥ 80)	30/117	25.6	234/335	69.8	75/108	69.4
WHR (M ≥ 0.95/ F ≥ 0.85)	18/117	15.4	194/335	57.9	86/108	79.6
WHtR (≥ 0.5)	52/114	45.6	288/325	88.6	101/107	94.4
BMI (≥ 25.0) and/or WHtR (≥ 0.5)	54/114	47.5	291/324	89.8	101/107	94.4
Specificity						
	TN/ TN+FP*	Specificity	TN/ TN+FP	Specificity	TN/ TN+FP*	Specificity
BMI (≥ 25.0)	207/289	71.6	189/373	50.6	30/47	63.8
WC (cm) (M ≥ 94/ F ≥ 80)	230/289	79.6	194/373	52.0	27/47	57.4
WHR (M ≥ 0.95/ F ≥ 0.85)	261/289	90.3	239/373	64.1	23/47	48.9
WHtR (≥ 0.5)	196/284	69.0	110/355	30.9	10/45	22.2
BMI (≥ 25.0) and/or WHtR (≥ 0.5)	185/284	65.1	104/355	29.3	10/45	22.2

P-value < 0.001 for all.

TP = true positive; FN = false negative; M = male; F = female; BMI = body mass index; WC = waist circumference; WHR = waist-to-hip ratio; WHtR = waist-to-height ratio; TN = true negative; FP = false positive.