

Supplementary Table 1. Effect of anthropometric indices on the incident diabetes: men ($n = 2,877$)

Anthropometric & body composition indices	Baseline measurements						Repeated measurements							
	Prediction power			500 times Bootstrap			Prediction power			500 times Bootstrap				
	Harrell's C-index	Lower 95% CI	Upper 95% CI	LR test	Bootstrap-corrected C-index	Lower 95% CI	Upper 95% CI	Harrell's C-index	Lower 95% CI	Upper 95% CI	LR test	Bootstrap-corrected C-index	Lower 95% CI	Upper 95% CI
Basic model	0.591	0.564	0.618	Ref	0.565	0.542	0.590	0.591	0.564	0.618	Ref	0.565	0.542	0.590
ABSI	0.611	0.586	0.636	<0.001	0.588	0.565	0.613	0.609	0.582	0.636	<0.001	0.585	0.562	0.609
BAI	0.613	0.588	0.638	<0.001	0.591	0.566	0.613	0.613	0.586	0.640	<0.001	0.592	0.566	0.618
WC	0.661 ^{ab}	0.636 ^b	0.686 ^b	<0.001	0.646 ^b	0.619	0.670	0.656 ^b	0.631 ^b	0.681 ^b	<0.001	0.641	0.615	0.667
BMI	0.642	0.615	0.669	<0.001	0.625	0.601	0.651	0.646 ^b	0.619 ^b	0.673 ^b	<0.001	0.630	0.604	0.656
WHR	0.643 ^b	0.618 ^b	0.668 ^b	<0.001	0.625	0.598	0.651	0.647 ^b	0.622 ^b	0.672 ^b	<0.001	0.628	0.602	0.652
Weight-adjusted SMI	0.654 ^b	0.629 ^b	0.679 ^b	<0.001	0.639	0.616	0.662	0.662 ^{ab}	0.637 ^b	0.687 ^b	<0.001	0.647 ^a	0.620	0.671
PBF	0.657 ^b	0.632 ^b	0.682 ^b	<0.001	0.642	0.618	0.664	0.660 ^b	0.635 ^b	0.685 ^b	<0.001	0.645	0.618	0.668
FMR	0.657 ^b	0.632 ^b	0.682 ^b	<0.001	0.642	0.618	0.664	0.660 ^b	0.635 ^b	0.685 ^b	<0.001	0.644	0.617	0.668

The basic model included age, education levels, physical activity, alcohol intake, current smoking, total energy intake, dietary diversity score, and log-transformed C-reactive protein levels, and quartiles of unweighted genetic risk score at baseline. *P* for the LR test was presented as a Bonferroni-adjusted *P* value, taking into account the number of hypothesis tests. CI, confidence interval; LR, likelihood ratio; ABSI, a body shape index; BAI, body adiposity index; WC, waist circumference; BMI, body mass index; WHR, waist-to-hip ratio; SMI, skeletal muscle index; PBF, percent body fat; FMR, fat-to-muscle ratio.

^aThe highest Harrell's C-index among the indices within the same column, ^bThe indices in bold have a Bonferroni-adjusted *P* value greater than 0.05, indicating no significant difference between them within the same column.