

Supplementary Table 4. Effect of anthropometric indices on the incident diabetes in women according to menopausal status

Anthropometric & body composition indices	Baseline measurements				Repeated measurements				Repeated vs. Baseline measurements			
	Harrell's C-index	Lower 95% CI	Upper 95% CI	LR test	Harrell's C-index	Lower 95% CI	Upper 95% CI	LR test	P for Δ Harrell's C-index	cNRI	Lower 95% CI	Upper 95% CI
Premenopausal women at baseline ($n = 1,356$)												
Basic model	0.655	0.612	0.698	Ref	0.655	0.612	0.698	Ref				
Basic model+ ABSI	0.655	0.612	0.698	>0.999	0.663	0.620	0.706	0.125	0.184	-	-	-
Basic model+ BAI	0.672	0.629	0.715	0.003	0.676	0.633	0.719	<0.001	0.626	-	-	-
Basic model+ WC	0.692 ^b	0.651 ^b	0.733 ^b	<0.001	0.713 ^b	0.672 ^b	0.754 ^b	<0.001	0.031	0.243	0.084	0.402
Basic model+ BMI	0.703 ^{ab}	0.662 ^b	0.744 ^b	<0.001	0.719 ^b	0.678 ^b	0.760 ^b	<0.001	0.060	-	-	-
Basic model+ WHR	0.681 ^b	0.640 ^b	0.722 ^b	<0.001	0.726 ^{ab}	0.687 ^b	0.765 ^b	<0.001	0.000	0.410	0.258	0.561
Basic model+ weight-adjusted SMI	0.668	0.625	0.711	0.021	0.683	0.640	0.726	<0.001	0.090	-	-	-
Basic model+ PBF	0.665	0.622	0.708	0.053	0.682	0.639	0.725	<0.001	0.044	0.275	0.119	0.431
Basic model+ FMR	0.666	0.623	0.709	0.052	0.682	0.639	0.725	<0.001	0.047	0.248	0.088	0.408
Postmenopausal women at baseline ($n = 1,797$)												
Basic model	0.612	0.579	0.645	Ref	0.612	0.579	0.645	Ref				
Basic model+ ABSI	0.622	0.591	0.653	0.089	0.619	0.586	0.652	0.138	0.497	-	-	-
Basic model+ BAI	0.640 ^b	0.609 ^b	0.671 ^b	<0.001	0.637 ^b	0.606 ^b	0.668 ^b	<0.001	0.557	-	-	-
Basic model+ WC	0.656 ^{ab}	0.625 ^b	0.687 ^b	<0.001	0.665 ^b	0.634 ^b	0.696 ^b	<0.001	0.191	-	-	-
Basic model+ BMI	0.654 ^b	0.623 ^b	0.685 ^b	<0.001	0.667 ^{ab}	0.636 ^b	0.698 ^b	<0.001	0.015	0.165	0.048	0.282
Basic model+ WHR	0.644 ^b	0.613 ^b	0.675 ^b	<0.001	0.664 ^b	0.633 ^b	0.695 ^b	<0.001	0.020	0.212	0.096	0.328
Basic model+ weight-adjusted SMI	0.647 ^b	0.616 ^b	0.678 ^b	<0.001	0.660 ^b	0.629 ^b	0.691 ^b	<0.001	0.104	-	-	-
Basic model+ PBF	0.648 ^b	0.617 ^b	0.679 ^b	<0.001	0.658 ^b	0.627 ^b	0.689 ^b	<0.001	0.199	-	-	-
Basic model+ FMR	0.647 ^b	0.616 ^b	0.678 ^b	<0.001	0.658 ^b	0.627 ^b	0.689 ^b	<0.001	0.130	-	-	-

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. A blank for cNRI results means that Harrell's C-index of the prediction model using baseline measurements is comparable to Harrell's C-index of the prediction model using repeated measurements.

CI, confidence interval; LR, likelihood ratio; cNRI, continuous net reclassification improvement; 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.