

Supplementary Table 1. Demographic characteristics, anthropometric measures, reproductive and lifestyle factors among participants of the Chinese breast cancer screening program by menopausal status

	Premenopausal					Postmenopausal				
	BI-RADS 1-2 (n=1253)		BI-RADS 3-4 (n=2847)		<i>P</i> ^a	BI-RADS 1-2 (n=4169)		BI-RADS 3-4 (n=3209)		<i>P</i> ^a
	N	%	N	%		N	%	N	%	
Age										
Mean (SD)	50.2	4.69	48.6	3.30	<1.0E-30	58.5	5.37	55.7	5.24	<1.0E-30
45-49	654	52.2	1883	66.1	1.8E-25	159	3.8	320	10.0	<1.0E-30
50-59	520	41.5	920	32.3		2205	52.9	2115	65.9	
60-69	79	6.3	44	1.6		1805	43.3	774	24.1	
Family history of breast and/or ovarian cancers										
No	645	51.5	1582	55.6	0.009	2045	49.1	1525	47.5	0.41
1st or 2nd degree relatives ^b	228	18.2	528	18.6		812	19.5	637	19.9	
1st degree relatives with	380	30.3	734	25.8		1311	31.5	1047	32.6	
Missing			3			1				
Education										
None-Elementary	108	8.6	158	5.6	6.2E-09	781	18.7	322	10.0	<1.0E-30
Middle school	380	30.3	748	26.3		1343	32.2	934	29.1	
High school	460	36.7	995	35.0		1386	33.3	1213	37.8	
College+	305	24.3	946	33.2		659	15.8	740	23.1	
Body mass index (kg/m²)										
Mean (SD)	24.6	3.06	23.5	2.82	6.2E-25	24.7	3.05	23.7	2.90	<1.0E-30
<23	380	32.1	1246	45.3	1.2E-20	1222	30.7	1340	43.5	<1.0E-30
23-24.9	308	26.0	755	27.5		1026	25.8	838	27.2	
25+	496	41.9	749	27.2		1730	43.5	901	29.3	
Missing	69		97			191		130		
Weight (kg)										
Mean (SD)	63.2	8.15	60.6	7.83	3.0E-21	62.7	8.15	60.3	7.94	<1.0E-30
Missing	50		49			114		68		
Height (cm)										
Mean (SD)	160.3	4.54	160.3	4.34	0.93	159.5	4.59	159.7	4.52	0.02
Missing										
Age at menarche										
<13	185	14.8	430	15.1	0.003	365	8.8	354	11.1	1.3E-08
13-14	551	44.1	1397	49.2		1780	42.8	1517	47.4	
15+	514	41.1	1014	35.7		2013	48.4	1333	41.6	
Missing	3		6			11		5		
Parity										
Never	67	5.4	193	6.8	0.08	199	4.8	224	7.0	5.3E-05
Ever	1186	94.7	2654	93.2		3970	95.2	2985	93.0	
Age at first full term birth^c										
<25	436	36.9	866	32.7	0.03	1297	32.8	901	30.3	0.12
25-26	392	33.1	879	33.2		1229	31.1	933	31.3	
27-28	192	16.2	468	17.7		821	20.8	655	22.0	
29+	163	13.8	433	16.4		609	15.4	490	16.5	
Missing	3		8			14		6		
Breastfeeding^c										
No breastfeeding	222	18.7	509	19.2	0.02	597	15.0	542	18.2	2.1E-12
1-6 months	253	21.3	474	17.9		602	15.2	537	18.0	
7-12 months	449	37.9	1122	42.3		1511	38.1	1194	40.0	
13 months+	262	22.1	549	20.7		1260	31.7	712	23.9	
Age at menopause among postmenopausal women										
<49	-	-	-	-	-	1530	36.7	1236	38.5	<1.0E-30
49-50	-	-	-	-		1454	34.9	1159	36.1	
51+	-	-	-	-		1184	28.4	813	25.3	
Missing						1		1		
Smoking										
Never	1103	88.0	2471	86.8	0.23	3667	88.0	2767	86.2	0.01
Current	131	10.5	343	12.1		409	9.8	381	11.9	
Former	19	1.5	33	1.2		93	2.2	61	1.9	
Alcohol consumption										
Never	889	71.0	2047	71.9	0.51	3171	76.1	2349	73.2	0.01
Current	311	24.8	700	24.6		881	21.1	748	23.3	
Former	53	4.2	100	3.5		116	2.8	112	3.5	
Missing						1				
Regular tea drinking										
No	599	51.7	1547	59.5	8.3E-06	2154	56.4	1787	61.0	1.2E-04
Yes	559	48.3	1052	40.5		1667	43.6	1141	39.0	
Missing	95		248			348		281		

^aResults from one-way analysis of variance (ANOVA) for continuous variables and chi-squared test for categorical variables

^bExcluding women with first-degree relatives with breast cancer < 50 years

^cParous women only