

Supplementary Table 2 Main characteristics of participants included in this study by hPDI in Prostate, Lung, Colorectal and Ovarian (PLCO) Screening Trial.

Variables	Q1 (n=20160)	Q2 (n=18273)	Q3 (n=20349)	Q4 (n=16852)	Q5 (n=15780)	P value
Age (y), mean (SD)	61.2 (5.0)	61.9 (5.2)	62.4 (5.2)	62.7 (5.3)	63.0 (5.3)	< 0.001
Sex (n, %)						
Male	12861 (63.8%)	9253 (50.6%)	8946 (44.0%)	6202 (36.8%)	4926 (31.2%)	< 0.001
Female	7299 (36.2%)	9020 (49.4%)	11403 (56.0%)	10650 (63.2%)	10854 (68.8%)	
Arm (n, %)						
Screen	10238 (50.8%)	9225 (50.5%)	10331 (50.8%)	8565 (50.8%)	8285 (52.5%)	0.002
Control	9922 (49.2%)	9048 (49.5%)	10018 (49.2%)	8287 (49.2%)	7495 (47.5%)	
Smoking status (n, %)						
Never	9391 (46.6%)	8766 (48.0%)	10035 (49.3%)	8560 (50.8%)	8135 (51.6%)	< 0.001
Current	2499 (12.4%)	1833 (10.0%)	1794 (8.8%)	1244 (7.4%)	1029 (6.5%)	
Former	8267 (41.0%)	7666 (42.0%)	8517 (41.9%)	7046 (41.8%)	6612 (41.9%)	
Drinking status (n, %)						
Never	1784 (8.8%)	1742 (9.5%)	2006 (9.9%)	1808 (10.7%)	1871 (11.9%)	< 0.001
Current	2763 (13.7%)	2434 (13.3%)	2736 (13.4%)	2308 (13.7%)	2480 (15.7%)	
Former	15178 (75.3%)	13639 (74.6%)	15097 (74.2%)	12224 (72.5%)	10841 (68.7%)	
Education (n, %)						
High school and below	6138 (30.4%)	5261 (28.8%)	5788 (28.4%)	4803 (28.5%)	4406 (27.9%)	< 0.001
Undergraduate	6970 (34.6%)	6226 (34.1%)	6991 (34.4%)	5739 (34.1%)	5377 (34.1%)	
Graduate and above	7019 (34.8%)	6756 (37.0%)	7528 (37.0%)	6269 (37.2%)	5963 (37.8%)	
BMI (n, %)						
< 25.0 kg/m ²	5075 (25.2%)	5637 (30.8%)	7166 (35.2%)	6616 (39.3%)	7245 (45.9%)	< 0.001
≥ 25.0 kg/m ²	14826 (73.5%)	12399 (67.9%)	12904 (63.4%)	10004 (59.4%)	8336 (52.8%)	
Race (n, %)						
White, Non-Hispanic	18963 (94.1%)	17022 (93.2%)	18599 (91.4%)	15043 (89.3%)	13517 (85.7%)	< 0.001

Other	1193 (5.9%)	1243 (6.8%)	1744 (8.6%)	1800 (10.7%)	2257 (14.3%)	
Marital status (n, %)						
Married	16417 (81.4%)	14636 (80.1%)	15916 (78.2%)	12902 (76.6%)	11600 (73.5%)	< 0.001
Not married	3715 (18.4%)	3604 (19.7%)	4393 (21.6%)	3915 (23.2%)	4146 (26.3%)	
Total energy intake (kcal/d), mean \pm SD	2221.1 (741.6)	1847.9 (666.0)	1636.2 (611.4)	1467.3 (571.8)	1337.1 (508.1)	< 0.001

hPDI, healthy plant-based diet index; y, year; SD, standard deviation; BMI, body mass index