

Supplementary Table 1. Characteristics of controls and PCa cases with and without WCRF/AICR score in CAPLIFE study.

	Controls with WCRF/AICR score <i>n</i> = 302	Controls without WCRF/AICR score <i>n</i> = 29	PCa cases with WCRF/AICR score <i>n</i> = 398	PCa cases without WCRF/AICR score <i>n</i> = 47
Age (years), mean (SD)	65.3 (8.2)	63.5 (6.4)	67.7 (7.4)	67.1 (8.0)
<i>p</i> -value		0.27		0.54
Age (years), <i>n</i> (%)				
40 to 54	39 (12.9)	3 (10.3)	21 (5.3)	4 (8.5)
55 to 69	162 (53.7)	21 (72.4)	217 (54.5)	24 (51.1)
70 to 80	101 (33.4)	5 (17.3)	160 (40.2)	19 (40.4)
<i>p</i> -value		0.14		0.65
Education, <i>n</i> (%)				
Primary	92 (30.5)	12 (41.4)	119 (29.9)	26 (55.3)
Secondary	147 (48.7)	12 (41.4)	211 (53.0)	14 (29.8)
University	63 (20.8)	5 (17.2)	68 (17.1)	5 (10.6)
Missing			-	2 (4.3)
<i>p</i> -value		0.48		<0.01
Smoking status, <i>n</i> (%)				
Never	88 (29.1)	6 (20.7)	105 (26.4)	11 (23.4)
Former	157 (52.0)	14 (48.3)	212 (53.3)	23 (49.0)
Current	57 (18.9)	8 (27.6)	81 (20.3)	12 (25.5)
Missing	-	1 (3.4)		1 (2.1)
<i>p</i> -value		0.41		0.66
First-degree family history of PCa ¹ , <i>n</i> (%)				
No	287 (95.0)	27 (93.0)	373 (93.7)	40 (85.1)
Yes	15 (5.0)	1 (3.5)	25 (6.3)	1 (2.1)
Unknown/Missing	-	1 (3.5)	-	6 (12.8)
<i>p</i> -value		0.74		0.32
Aggressiveness, <i>n</i> (%)				
ISUP 1–2	-	-	307 (77.1)	40 (85.1)
ISUP 3–5	-	-	91 (22.9)	6 (12.8)
Unknown	-	-	-	1 (2.1)
<i>p</i> -value				0.13

SD, standard deviation. ¹First-degree history of PCa in father and/or brothers.

Supplementary Table 2. Mutually adjusted odds ratios and 95% confidence intervals for low and high aggressiveness PCa associated with the components of the 2018 WCRF/AICR score in CAPLIFE study.

Components of the score	Low aggressiveness PCa Cases			High aggressiveness PCa Cases		
	N Controls/Cases	aOR ¹ (95% CI) ²	<i>p</i> -trend	N Controls/Cases	aOR ¹ (95% CI) ²	<i>p</i> -trend
1. Be a healthy weight ²			0.53			0.12
0–0.25	129/138	1		129/43	1	
0.5	85/64	0.70 (0.45–1.07)		85/23	0.59 (0.31–1.10)	
0.75–1	88/105	1.18 (0.79–1.77)		88/25	0.61 (0.33–1.21)	
2. Be physically active			0.77			0.47
0	227/242	1		227/73	1	
0.5	17/11	0.54 (0.23–1.23)		17/3	0.51 (0.13–1.96)	
1	58/54	0.98 (0.63–1.53)		58/15	0.82 (0.41–1.63)	

3. Eat a diet rich in whole grains, vegetables, fruit and beans ³			0.74		0.62
0–0.25	14/11	1	14/4	1	
0.5	16/22	1.73 (0.56–5.21)	16/4	0.72 (0.13–3.87)	
0.75–1	272/274	1.40 (0.56–3.51)	272/83	0.70 (0.19–2.51)	
4. Limit consumption of ‘fast foods’ and other processed foods high in fat, starches or sugars			0.01		0.40
0	101/127	1	101/36	1	
0.5	100/102	0.78 (0.52–1.16)	100/23	0.61 (0.32–1.16)	
1	101/78	0.57 (0.37–0.88)	101/32	0.77 (0.42–1.45)	
5. Limit consumption of red and processed meat			0.44		0.24
0	231/231	1	231/66	1	
0.5	65/63	0.95 (0.60–1.48)	65/19	1.02 (0.44–1.98)	
1	6/13	2.26 (0.79–6.44)	6/6	3.45 (0.92–12.95)	
6. Limit consumption of sugar- sweetened drinks			<0.01		0.70
0	7/20	1	7/5	1	
0.5	132/144	0.36 (0.14–0.94)	132/35	0.47 (0.12–1.78)	
1	163/143	0.26 (0.10–0.69)	163/51	0.49 (0.13–1.89)	
7. Limit alcohol consumption			0.01		0.40
0	31/48	1	31/19	1	
0.5	215/212	0.61 (0.35–1.05)	215/50	0.39 (0.19–0.82)	
1	56/47	0.43 (0.22–0.84)	56/22	0.58 (0.24–1.41)	

N, number; 95% CI, 95% confidence interval; ¹ aOR, Odds ratio adjusted for each individual component of the score and potential confounders (age, educational level, smoking status, primary family history of PCa and total energy intake). ² For recommendations based on subitem, the possible scores could be: 0, 0.25, 0.5, 0.75 and 1, which were recategorized at 0 to 0.25, 0.5 and 0.75–1.