Table S1 The clinical characteristics between PCa and non-PCa patients before PSM

Variables	Total (n=885)	Non-PCa (n=620)	PCa (n=265)	P value
Age, n (%)				<0.001
≤77 years	733 (82.825)	490 (79.032)	243 (91.698)	
>77 years	152 (17.175)	130 (20.968)	22 (8.302)	
Marital status, n (%)				0.20
Unmarried	89 (10.056)	63 (10.161)	26 (9.811)	
Married	643 (72.655)	459 (74.032)	184 (69.434)	
SDWU	153 (17.288)	98 (15.806)	55 (20.755)	
Race, n (%)				0.73
White	745 (84.181)	524 (84.516)	221 (83.396)	
Black	103 (11.638)	69 (11.129)	34 (12.83)	
Other	37 (4.181)	27 (4.355)	10 (3.774)	
Laterality, n (%)				0.72
Left	481 (54.35)	334 (53.871)	147 (55.472)	
Right	404 (45.65)	286 (46.129)	118 (44.528)	
Histological, n (%)				0.97
Infiltrating duct carcinoma	717 (81.017)	503 (81.129)	214 (80.755)	
Other	168 (18.983)	117 (18.871)	51 (19.245)	
Grade, n (%)				0.09
I	117 (13.22)	71 (11.452)	46 (17.358)	
II	413 (46.667)	295 (47.581)	118 (44.528)	
III/IV	229 (25.876)	160 (25.806)	69 (26.038)	
Unknown	126 (14.237)	94 (15.161)	32 (12.075)	
AJCC, n (%)				0.19
I	324 (36.61)	225 (36.29)	99 (37.358)	
II	360 (40.678)	243 (39.194)	117 (44.151)	
III/IV	145 (16.384)	112 (18.065)	33 (12.453)	
Unknown	56 (6.328)	40 (6.452)	16 (6.038)	
Tumor size, n (%)				0.36
≤3 cm	507 (57.288)	347 (55.968)	160 (60.377)	
>3 cm	108 (12.203)	75 (12.097)	33 (12.453)	
Unknown	270 (30.508)	198 (31.935)	72 (27.17)	
ER, n (%)				0.19
Negative	21 (2.373)	15 (2.419)	6 (2.264)	
Positive	757 (85.537)	522 (84.194)	235 (88.679)	
Unknown	107 (12.09)	83 (13.387)	24 (9.057)	
PR, n (%)				0.19
Negative	79 (8.927)	56 (9.032)	23 (8.679)	
Positive	692 (78.192)	476 (76.774)	216 (81.509)	
Unknown	114 (12.881)	88 (14.194)	26 (9.811)	
HER2, n (%)				0.30
Negative	261 (29.492)	181 (29.194)	80 (30.189)	
Positive	31 (3.503)	18 (2.903)	13 (4.906)	
Unknown	593 (67.006)	421 (67.903)	172 (64.906)	
Surgery, n (%)				0.13
No	35 (3.955)	29 (4.677)	6 (2.264)	
Yes	850 (96.045)	591 (95.323)	259 (97.736)	
Chemotherapy, n (%)				0.04
No/unknown	545 (61.582)	396 (63.871)	149 (56.226)	
Yes	340 (38.418)	224 (36.129)	116 (43.774)	
Radiation, n (%)				0.24
No/unknown	670 (75.706)	462 (74.516)	208 (78.491)	
Yes	215 (24.294)	158 (25.484)	57 (21.509)	

PCa, prostate cancer; PSM, propensity score matching; SDWU, separated, divorced, widowed, or unmarried; AJCC, American Joint Committee on Cancer; ER, estrogen receptor; PR, progesterone receptor; HER2, human epidermal growth factor receptor 2.