

Table S1 Clinicopathologic characteristics' distribution of different therapy groups

Variables	P value	Therapy			
		Only mastectomy	Only partial mastectomy	Mastectomy + radiotherapy	Partial mastectomy + radiotherapy
n		5,054	1,808	678	6,215
Age group (years)	<0.001				
18–30		85 (1.7)	5 (0.3)	18 (2.7)	32 (0.5)
30–40		575 (11.4)	70 (3.9)	118 (17.4)	266 (4.3)
40–50		1,318 (26.1)	331 (18.3)	170 (25.1)	1,140 (18.3)
50–60		1,478 (29.2)	570 (31.5)	185 (27.3)	2,002 (32.2)
60–70		1,120 (22.2)	514 (28.4)	125 (18.4)	1,962 (31.6)
70–80		407 (8.1)	278 (15.4)	54 (8.0)	720 (11.6)
>80		71 (1.4)	40 (2.2)	8 (1.2)	93 (1.5)
Ethnicity	<0.001				
White		3,841 (76.0)	1,407 (77.8)	518 (76.4)	4,810 (77.4)
Black		462 (9.1)	183 (10.1)	96 (14.2)	765 (12.3)
Other*		751 (14.9)	218 (12.1)	64 (9.4)	640 (10.3)
Grade	0.147				
I		212 (4.2)	94 (5.2)	34 (5.0)	299 (4.8)
II		1,851 (36.6)	683 (37.8)	233 (34.4)	2,320 (37.3)
III		2,991 (59.2)	1,031 (57.0)	411 (60.6)	3,596 (57.9)
T Stage	<0.001				
1		2,811 (55.6)	1,174 (64.9)	202 (29.8)	4,087 (65.8)
2		2,002 (39.6)	598 (33.1)	235 (34.7)	1,984 (31.9)
3 or 4		241 (4.8)	36 (2.0)	241 (35.5)	144 (2.3)
HR	<0.001				
ER+/PR+		2,489 (49.2)	913 (50.5)	303 (44.7)	3,400 (54.7)
ER+/PR– or ER–/PR+		1,064 (21.1)	380 (21.0)	136 (20.1)	1,199 (19.3)
ER–/PR–		1,501 (29.7)	515 (28.5)	239 (35.3)	1,616 (26.0)

*, American Indian/Alaska Native, Asian/Pacific Islander. HR, hazard ratio; ER, estrogen receptor; PR, progesterone receptor.