

S1 Table. Univariate Cox regression analysis for the association of demographic and clinicopathologic characteristics with breast cancer prognosis

Variable	Total	Overall survival		Progression-free survival	
		No.	HR (95% CI)	No.	HR (95% CI)
Age (yr)					
≤ 40	365	39	1.00 (reference)	77	1.00 (reference)
41-60	816	96	1.06 (0.73-1.54)	151	0.86 (0.65-1.13)
≥ 61	193	21	0.97 (0.57-1.65)	37	0.89 (0.60-1.32)
Education status					
Junior high school or below	646	90	1.00 (reference)	140	1.00 (reference)
Senior high school	357	20	0.38 (0.24-0.62)	50	0.62 (0.45-0.86)
College or above	306	29	0.65 (0.43-0.99)	53	0.78 (0.57-1.06)
Menopausal status					
Premenopausal	826	81	1.00 (reference)	109	1.00 (reference)
Postmenopausal	527	68	1.30 (0.94-1.80)	107	1.14 (0.89-1.46)
BMI (kg/m ²)					
< 24	868	94	1.00 (reference)	167	1.00 (reference)
≥ 24	506	62	1.11 (0.81-1.53)	98	1.00 (0.78-1.28)
Age at menarche (yr)					
≤ 12	172	18	1.00 (reference)	34	1.00 (reference)
> 12	1,155	126	1.05 (0.64-1.72)	214	0.90 (0.63-1.30)
Family history of breast cancer					
Absent	1,285	142	1.00 (reference)	244	1.00 (reference)
Present	47	2	0.37 (0.09-1.48)	2	0.54 (0.22-1.30)
Parity					
0	106	12	1.00 (reference)	16	1.00 (reference)
≥ 1	1,238	133	0.96 (0.53-1.73)	235	1.30 (0.78-2.15)
Triple-negative breast cancer					
No	1,147	120	1.00 (reference)	215	1.00 (reference)
Yes	154	23	1.44 (0.92-2.25)	31	1.10 (0.75-1.60)
ER status					
Negative	372	58	1.00 (reference)	86	1.00 (reference)
Positive	938	85	0.55 (0.40-0.77)	160	0.69 (0.53-0.89)
PR status					
Negative	458	69	1.00 (reference)	103	1.00 (reference)
Positive	852	74	0.56 (0.40-0.77)	138	0.65 (0.51-0.84)
HER2 status					
Negative	889	87	1.00 (reference)	156	1.00 (reference)
Positive	414	56	1.48 (1.06-2.07)	90	1.35 (1.04-1.75)
Clinical stage					
I-II	988	59	1.00 (reference)	115	1.00 (reference)
III-IV	266	72	5.32 (3.77-7.51)	114	4.68 (3.61-6.07)

HR, hazard ratio; CI, confidence interval; BMI, body mass index; ER, estrogen receptor; PR, progesterone receptor; HER2, human epidermal growth factor receptor 2.