



Figure S1 Flowchart of patient selection from the SEER database. BCS, breast-conserving surgery; SEER, Surveillance, Epidemiology, and End Results.

Table S1 The full regression coefficients, SEs, and P values from nomogram model

Variables	Coefficient	SE	P
T stage			
T1	0		
T2	0.575	0.230	0.012
T3	0.920	0.276	<0.001
T4	1.373	0.404	<0.001
N stage			
N0	0		
N1	0.630	0.225	0.005
N2	1.603	0.267	<0.001
N3	1.224	0.347	<0.001
Molecular subtype			
HR ⁺ /HER2 ⁻	0		
HR ⁻ /HER2 ⁻	0.971	0.225	<0.001
HR ⁻ /HER2 ⁺	0.25	0.318	0.431
HR ⁺ /HER2 ⁺	0.235	0.230	0.309
Surgery			
BCS	0		
Mastectomy	0.585	0.228	0.010

BCS, breast-conserving surgery; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; N, node; SE, standard error; T, tumor.

Table S2 The 1- to 5-year baseline survival probabilities along with standard errors for both the training and validation cohorts

Time	Training cohort		Validation cohort	
	Baseline survival probability	SE	Baseline survival probability	SE
1-year	0.998	0.001	0.998	0.002
2-year	0.986	0.003	0.989	0.004
3-year	0.974	0.004	0.980	0.005
4-year	0.958	0.005	0.967	0.007
5-year	0.940	0.006	0.955	0.008

SE, standard error.