

S12 Table. Cox proportional hazards model of survival for patients with and without statin exposure before the diagnosis of ER-positive breast cancer

Variable	Univariable analysis Hazard ratio (95% CI)	p-value	Multivariable analysis Hazard ratio (95% CI)	p-value
Histologic type				
IDC	1		1	
ILC	1.059 (0.590-1.900)	0.847	0.677 (0.371-1.233)	0.202
Others	0.408 (0.248-0.671)	< 0.001	0.689 (0.391-1.215)	0.198
Stage: T				
T1	1		1	
T0	1.976 (0.273-14.279)	0.500	2.157 (0.295-15.772)	0.449
T2	2.793 (2.020-3.861)	< 0.001	2.321 (1.639-3.288)	< 0.001
T3	6.436 (4.110-10.079)	< 0.001	3.882 (2.311-6.521)	< 0.001
T4	8.833 (4.734-16.480)	< 0.001	2.557 (1.232-5.307)	0.012
Tis	0.395 (0.143-1.090)	0.073	0.703 (0.225-2.200)	0.545
Stage: N				
N0	1		1	
N1	1.466 (1.017-2.113)	0.040	0.879 (0.598-1.292)	0.511
N2	3.849 (2.595-5.708)	< 0.001	1.902 (1.231-2.940)	0.004
N3	10.774 (7.450-15.581)	< 0.001	3.813 (2.424-5.999)	< 0.001
Stage: M				
M0	1		1	
M1	16.254 (9.894-26.701)	< 0.001	5.087 (2.924-8.851)	< 0.001
PR				
Negative	1		1	
Positive	0.497 (0.374-0.659)	< 0.001	0.691 (0.517-0.923)	0.013

Age at diagnosis (yr)				
< 40	1		1	
≥ 40 and < 50	0.642 (0.414-0.994)	0.047	0.759 (0.488-1.182)	0.222
≥ 50	1.177 (0.793-1.746)	0.420	1.092 (0.715-1.668)	0.682
CCI	1.215 (1.145-1.291)	< 0.001	1.145 (1.074-1.220)	< 0.001
Exposure to statin				
No	1		1	
Yes	2.089(1.497-2.914)	< 0.001	1.452 (0.992-2.126)	0.055

CCI, Charlson comorbidity index; CI, confidence interval; ER, estrogen receptor; IDC, invasive ductal carcinoma; ILC, invasive lobular carcinoma; M, metastasis; N, node; PR, progesterone receptor; T, tumor.