

**S14 Table.** Cox proportional hazards model of survival for patients with and without statin exposure before the diagnosis of breast cancer (included HER2-available patients only)

<b>Variables</b>	<b>Univariable analysis Hazard ratio (95% CI)</b>	<b>p-value</b>	<b>Multivariable analysis Hazard ratio (95% CI)</b>	<b>p-value</b>
Histologic type				
IDC	1		1	
ILC	0.994 (0.544-1.816)	0.984	0.963 (0.516-1.800)	0.907
Others	0.446 (0.280-0.711)	0.001	0.990 (0.587-1.671)	0.970
Stage: T				
T1	1		1	
T0	3.523 (0.860-14.435)	0.080	3.361 (0.813-13.897)	0.094
T2	2.899 (2.148-3.915)	< 0.001	2.006 (1.468-2.742)	< 0.001
T3	7.993 (5.497-11.623)	< 0.001	3.090 (2.030-4.704)	< 0.001
T4	12.580 (7.759-20.394)	< 0.001	3.283 (1.901-5.670)	< 0.001
Tis	0.465 (0.169-1.281)	0.139	0.653 (0.213-2.008)	0.457
Stage: N				
N0	1		1	
N1	1.423 (1.035-1.956)	0.030	1.081 (0.778-1.504)	0.642
N2	4.970 (3.655-6.759)	< 0.001	3.290 (2.356-4.594)	< 0.001
N3	10.088 (7.447-13.666)	< 0.001	4.754 (3.320-6.806)	< 0.001
Stage: M				
M0	1		1	
M1	10.991 (7.119-16.968)	< 0.001	4.273 (2.659-6.866)	< 0.001
ER				
Negative	1		1	
Positive	0.415 (0.330-0.521)	< 0.001	0.529 (0.384-0.728)	< 0.001
PR				
Negative	1		1	

HER2				
Positive	0.399 (0.311-0.511)	< 0.001	0.697 (0.495-0.980)	0.038
Negative	1		1	
Age at diagnosis				
Positive	0.907 (0.704-1.170)	0.452	0.551 (0.420-0.723)	< 0.001
<40 years old	1		1	
40≤ years <50	0.535 (0.383-0.746)	< 0.001	0.685 (0.488-0.960)	0.028
≥50 years old	0.813 (0.606-1.091)	0.169	0.790 (0.575-1.085)	0.146
CCI	1.174 (1.115-1.237)	< 0.001	0.101 (1.042-1.164)	< 0.001
Exposure before breast cancer				
No	1		1	
Yes	1.562 (1.158-2.106)	0.004	1.411 (1.012-1.967)	0.042

CCI, Charlson comorbidity index; CI, confidence interval; ER, estrogen receptor; HER2, human epidermal growth factor receptor 2; IDC, invasive ductal carcinoma; ILC, invasive lobular carcinoma; M, metastasis; N, node; PR, progesterone receptor; T, tumor.