

S Table 1. Power analysis of COX Regression in Validation cohort

Variables	Power	Sample Size (N)	Reg. Coef. (B)	S.D. of X1 (SD)	Event Rate (P)	R-squared X1 vs Other X's (R²)	One-side Alpha	Beta
Size	0.8689	28	0.6307	1.1790	0.5350	0.0760	0.0500	0.1311
Surgery	0.7191	28	-0.9213	0.6120	0.5350	0.2720	0.10000	0.2809
SEER Stage	0.5477	28	0.6960	0.5670	0.5350	0.1580	0.10000	0.4523
Primary Site	0.2387	28	-0.1791	0.9370	0.5350	0.2270	0.10000	0.7613
Classification	0.4162	28	0.9497	0.3150	0.5350	0.1460	0.10000	0.5838
Age	0.4409	28	0.7957	0.3900	0.5350	0.1100	0.10000	0.5591

B: This value is the log (base e) of the hazard ratio; Alpha: The probability of obtaining a false positive with the statistical test.

S Table 2. Sample size of COX Regression in Validation cohort

Variables	Power	Sample Size (N)	Reg. Coef. (B)	S.D. of X1 (SD)	Event Rate (P)	R-squared X1 vs Other X's (R²)	One-side Alpha	Beta
Surgery	0.8048	37	-0.9213	0.6120	0.5350	0.2720	0.10000	0.1952
SEER Stage	0.8034	65	0.6960	0.5670	0.5350	0.1580	0.10000	0.1966
Primary Site	0.8007	388	-0.1791	0.9370	0.5350	0.2270	0.10000	0.1993
Classification	0.8020	111	0.9497	0.3150	0.5350	0.1460	0.10000	0.1980
Age	0.8020	99	0.7957	0.3900	0.5350	0.1100	0.10000	0.1980