

Table S1 Univariate cox analyses for male LUAD patients

Characteristics	HR	P	CI
Site			
Upper lobe			
Lower lobe	1.07	0.019	1.01–1.14
Middle lobe/overlapping	1.09	0.124	0.98–1.22
Main bronchus	2.38	0	2.01–2.82
Grade			
Well grade			
Moderate grade	1.58	0	1.42–1.77
Poor grade	2.99	0	2.69–3.32
Undifferentiated grade	2.65	0	2.04–3.45
Laterality			
Right			
Left	1.03	0.351	0.97–1.08
Derived AJCC stage			
I			
II	2.01	0	1.79–2.26
III	4.24	0	3.86–4.65
IV	10.67	0	9.83–11.6
Derived AJCC N stage			
N0			
N1	1.83	0	1.67–2
N2	3.65	0	3.44–3.88
N3	4.82	0	4.46–5.22
Surgery method			
No surgery			
Wedge resection	0.23	0	0.2–0.26
Segmental resection	0.15	0	0.11–0.21
Lobectomy	0.15	0	0.14–0.17
Chemotherapy			
No/unknown			
Yes	1.51	0	1.43–1.59
Tumor size			
≤3 cm			
>3 cm	2.54	0	2.4–2.69
Age			
≤60			
60< age ≤70	0.91	0.006	0.85–0.97
>70	1.17	0	1.1–1.25
Marital			
No married/unknown			
Married	0.83	0	0.79–0.88
Historic stage			
Regional			
Local	0.42	0	0.38–0.46
Distant	3.77	0	3.54–4.01

LUAD, lung adenocarcinoma; AJCC, American Joint Committee on Cancer.

Table S2 Univariate cox analyses for female LUAD patients

Characteristics	HR	P	CI
Site			
Upper lobe			
Lower lobe	1.04	0.238	0.98–1.1
Middle lobe/overlapping	1.02	0.78	0.91–1.14
Main bronchus	2.79	0	2.38–3.27
Grade			
Well grade			
Moderate grade	1.73	0	1.56–1.91
Poor grade	3.52	0	3.19–3.89
Undifferentiated grade	3.22	0	2.44–4.24
Laterality			
Right			
Left	1.02	0.499	0.97–1.07
Derived AJCC stage			
I			
II	2.6	0	2.32–2.92
III	4.86	0	4.43–5.34
IV	12.5	0	11.51–13.58
Derived AJCC N stage			
N0			
N1	2.33	0	2.13–2.56
N2	4.17	0	3.92–4.44
N3	5.72	0	5.26–6.23
Surgery method			
No surgery			
Wedge resection	0.19	0	0.17–0.22
Segmental resection	0.14	0	0.11–0.19
Lobectomy	0.14	0	0.13–0.15
Chemotherapy			
No/unknown			
Yes	1.86	0	1.76–1.96
Tumor size			
≤3 cm			
>3 cm	2.9	0	2.74–3.07
Age			
≤60			
60< age ≤70	0.95	0.194	0.89–1.02
>70	1.19	0	1.12–1.27
Marital			
No married/unknown			
Married	0.84	0	0.8–0.89
Historic stage			
Regional			
Local	0.35	0	0.32–0.39
Distant	3.91	0	3.68–4.17

LUAD, lung adenocarcinoma; AJCC, American Joint Committee on Cancer.