

**S7 Table.** Univariate Cox proportional hazards survival analysis for gastric cancer patients who underwent gastrectomy with neoadjuvant or adjuvant treatment from 2002 to 2013

Variable	Overall survival					Disease-specific survival			
	No.	5-Yr (%)	HR	95% CI	p-value	5-Yr (%)	HR	95% CI	p-value
Year of surgery (per 2 years)	1,819	66.5	1.02	0.99-1.05	0.177	71.1	1.00	0.97-1.04	0.814
Sex									
Male	1,227	65.8	1	(reference)	–	71.1	1	(reference)	–
Female	592	68.2	0.93	0.77-1.12	0.431	71.3	1.00	0.82-1.22	0.998
Age (yr)									
20-49	386	72.3	1.09	0.83-1.44	0.521	72.5	1.21	0.91-1.61	0.187
50-59	459	72.7	1	(reference)	–	75.6	1	(reference)	–
60-69	581	65.8	1.34	1.06-1.71	0.016	71.2	1.25	0.96-1.62	0.096
70-89	392	54.7	2.01	1.57-2.58	< 0.001	64.2	1.74	1.32-2.28	< 0.001
Surgery type									
TG	517	48.5	1	(reference)	–	52.1	1	(reference)	–
STG	1,302	73.7	0.42	0.35-0.49	< 0.001	78.6	0.37	0.32-0.44	< 0.001
Charlson comorbidity index									
0-1	1,139	67.5	1	(reference)	–	69.9	1	(reference)	–
2	327	69.3	0.95	0.75-1.20	0.642	72.7	0.89	0.70-1.15	0.383
3	144	67.6	1.00	0.71-1.41	0.987	80.3	0.66	0.43-1.02	0.064
≥ 4	209	55.1	1.69	1.31-2.17	< 0.001	71.9	1.00	0.72-1.39	0.997
Income									
≤ 20 percentile	277	64.7	1.12	0.88-1.43	0.363	68.3	1.17	0.90-1.52	0.241
21-80 percentile	995	68.4	1	(reference)	–	73.1	1	(reference)	–

≥ 81 percentile	547	64.1	1.16	0.96-1.40	0.129	69.1	1.17	0.95-1.44	0.137
Health insurance type									
NHI	1,761	67.1	1	(reference)	–	71.8	1	(reference)	–
Medical aid	58	48.5	1.65	1.10-2.49	0.016	48.5	1.97	1.31-2.98	0.001
Residential area									
Metropolitan	859	66.9	1	(reference)	–	71.7	1	(reference)	–
Nonmetropolitan	960	66.2	1.03	0.87-1.23	0.699	70.7	1.05	0.88-1.27	0.580
Hospital location									
Metropolitan	1,594	66.9	1	(reference)	–	71.5	1	(reference)	–
Nonmetropolitan	225	63.9	1.09	0.85-1.41	0.487	68.4	1.12	0.84-1.47	0.450
Hospital volume (beds)									
< 1,000	765	64.6	1	(reference)	–	69.6	1	(reference)	–
1,000-1,999	707	71.2	0.78	0.64-0.94	0.01	75.1	0.79	0.64-0.97	0.024
≥ 2,000	347	61.4	1.10	0.88-1.37	0.406	66.4	1.10	0.87-1.40	0.437
Disabled status									
No	1,654	66.9	1	(reference)	–	71.1	1	(reference)	–
Yes	165	62.9	1.26	0.95-1.67	0.105	71.5	1.07	0.77-1.48	0.694
RT use									
No	1,741	67.1	1	(reference)	–	71.4	1	(reference)	–
Yes	78	58.0	1.52	1.06-2.18	0.021	68.7	1.23	0.80-1.88	0.349

HR, hazard ratio; CI, confidence interval; TG, total gastrectomy; STG/PG, subtotal gastrectomy/partial gastrectomy; NHI, National Health Insurance.