

S8 Table. Multivariate 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	0.98	0.95-1.01	0.249	71.1	1.00	0.97-1.04	0.858
Sex									
Male	1,227	65.8	1	(reference)	–	71.1	1	(reference)	–
Female	592	68.2	0.90	0.76-1.08	0.256	71.3	1.01	0.82-1.23	0.938
Age (yr)									
20-49	386	72.3	0.97	0.75-1.25	0.805	72.5	1.10	0.83-1.47	0.505
50-59	459	72.7	1	(reference)	–	75.6	1	(reference)	–
60-69	581	65.8	1.37	1.10-1.72	0.006	71.2	1.40	1.07-1.82	0.013
70-89	392	54.7	2.18	1.72-2.76	< 0.001	64.2	2.08	1.56-2.76	< 0.001
Surgery type									
TG	517	48.5	1	(reference)	–	52.1	1	(reference)	–
STG/PG	1,302	73.7	0.42	0.35-0.49	< 0.001	78.6	0.35	0.29-0.42	< 0.001
Charlson comorbidity index									
0-1	1,139	67.5	1	(reference)	–	69.9	1	(reference)	–
2	327	69.3	0.97	0.78-1.21	0.807	72.7	0.84	0.65-1.09	0.197
3	144	67.6	0.95	0.69-1.32	0.771	80.3	0.57	0.36-0.88	0.011
≥ 4	209	55.1	1.38	1.06-1.78	0.016	71.9	0.87	0.62-1.23	0.441
Income									
≤ 20 percentile	277	64.7	1.01	0.76-1.33	0.966	68.3	1.05	0.85-1.30	0.635
21-80 percentile	995	68.4	1	(reference)	–	73.1	1	(reference)	–

≥ 81 percentile	547	64.1	1.01	0.83-1.22	0.928	69.1	0.98	0.72-1.34	0.923
Health insurance type									
NHI	1,761	67.1	1	(reference)	–	71.8	1	(reference)	–
Medical aid	58	48.5	1.75	1.08-2.82	0.022	48.5	2.04	1.25-3.35	0.004
Residential area									
Metropolitan	859	66.9	1	(reference)	–	71.7	1	(reference)	–
Nonmetropolitan	960	66.2	0.91	0.76-1.08	0.285	70.7	0.92	0.76-1.11	0.385
Hospital location									
Metropolitan	1,594	66.9	1	(reference)	–	71.5	1	(reference)	–
Nonmetropolitan	225	63.9	1.02	0.79-1.32	0.887	68.4	1.14	0.85-1.54	0.381
Hospital volume (beds)									
< 1,000	765	64.6	1	(reference)	–	69.6	1	(reference)	–
1,000-1,999	707	71.2	0.91	0.76-1.09	0.289	75.1	0.84	0.68-1.04	0.116
≥ 2,000	347	61.4	1.09	0.88-1.36	0.432	66.4	1.01	0.78-1.31	0.921
Disabled status									
No	1,654	66.9	1	(reference)	–	71.1	1	(reference)	–
Yes	165	62.9	1.26	0.88-1.36	0.432	71.5	1.11	0.79-1.55	0.551
RT use									
No	1,741	67.1	1	(reference)	–	71.4	1	(reference)	–
Yes	78	58.0	1.35	0.95-1.93	0.1	68.7	1.15	0.74-1.79	0.541

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