

Supplementary Table 1. Stage-stratified associations between dementia status and standard cancer treatment in older adults.

	Odds ratio (95% CI)	P value	Odds ratio (95% CI)	P value	Odds ratio (95% CI)	P value
Tumour resection ^a for stage 0 CRC (n=1916)						
No dementia	Reference					
Mild dementia	0.99 (0.12–8.07)					
Moderate-to-severe dementia	0.05 (0.01–0.28)					
Tumour resection for stage I GC (n=3756)						
No dementia	Reference		Reference		Reference	
Mild dementia	0.59 (0.34–1.04)	0.068	0.88 (0.40–1.94)	0.760	0.30 (0.17–0.53)	<0.001
Moderate-to-severe dementia	0.11 (0.05–0.22)	<0.001	0.22 (0.06–0.81)	0.023	0.25 (0.05–1.17)	0.079
Tumour resection for stage II GC (n=573)						
No dementia	Reference		Reference		Reference	
Mild dementia	1.15 (0.50–2.67)	0.738	1.25 (0.55–2.84)	0.594	0.31 (0.08–1.23)	0.096
Moderate-to-severe dementia	0.20 (0.03–1.25)	0.085	0.65 (0.24–1.77)	0.401	0.00 (0.00–>1000)	>0.99
Tumour resection for stage III GC (n=622)						
No dementia	Reference		Reference		Reference	
Mild dementia	1.80 (0.80–4.06)	0.154	2.47 (1.32–4.63)	0.005	0.36 (0.08–1.58)	0.176
Moderate-to-severe dementia	0.79 (0.19–3.31)	0.752	2.63 (0.79–8.74)	0.114	0.00 (0.00–>1000)	>0.99
Pharmacotherapy for stage IV GC (n=969)						
No dementia	Reference		Reference		Reference	
Mild dementia	0.50 (0.22–1.13)	0.095	1.54 (0.85–2.77)	0.153	0.38 (0.23–0.64)	<0.001
Moderate-to-severe dementia	0.41 (0.11–1.49)	0.175	1.35 (0.57–3.20)	0.500	0.25 (0.09–0.66)	0.005
Tumour resection for stage IV CRC (n=924)						
Pharmacotherapy for stage IV NSCLC (n=1451)						

CI, confidence interval; CRC, colorectal cancer; GC, gastric cancer; NSCLC, non-small cell lung cancer. All odds ratios are adjusted for age, sex, and comorbidities.

^aTumour resection includes endoscopic resection, open surgical resection, laparoscopic resection, and thoracoscopic resection.