

Supplemental Table 3 Multivariable Cox analysis of patients stratified by income, place of living, education, and insurance status

Variables	HR (95% CI)	P
	Non-academic vs. Academic centers	
Income \geq \$35,00	1.176 (1.162-1.190)	0.001
Income $<$ \$35,000	1.175 (1.159-1.192)	0.001
Urban place of living	1.176 (1.165-1.186)	0.001
Rural place of living	1.182 (1.101-1.269)	0.001
Having health insurance	1.174 (1.163-1.185)	0.001
No health insurance	1.205 (1.144-1.270)	0.001
High education-level area	1.164 (1.150-1.178)	0.001
Low education-level area	1.187 (1.171-1.204)	0.001

Multivariate Cox analysis for each subset analysis includes age at diagnosis, race, education, income, place of living, insurance status, Charlson score, year of diagnosis, and stage.