

Supplementary Materials: Real-World Implications of Nonbiological Factors with Staging, Prognosis and Clinical Management in Colon Cancer

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Table S1. Multivariable Cox regression analyses of independent prognostic factors in non-metastatic colon cancer. (Abbreviations: HR, hazard ratio; AJCC, American Joint Committee on Cancer; NBF, non-biological factor)

Variable	Reference	Characteristic	Cancer-Specific Survival		
			HR (95%)	SE	p-value
Race	White	Black	1.354 (1.168–1.570)	0.075	<0.001
		Other	0.985 (0.802–1.208)	0.104	0.881
Gender	Male	Female	0.817 (0.727–0.919)	0.06	0.001
Tumor location	Appendix	Cecum	0.631 (0.408–0.976)	0.222	0.038
		Ascending colon	0.556 (0.357–0.866)	0.226	0.009
		Hepatic flexure	0.624 (0.381–1.022)	0.251	0.061
		Transverse colon	0.579 (0.365–0.918)	0.235	0.020
		Splenic flexure	0.686 (0.420–1.120)	0.250	0.132
		Descending colon	0.502 (0.315–0.802)	0.239	0.004
		Sigmoid Colon	0.444 (0.289–0.683)	0.220	<0.001
Tumor grade	Grade I	Grade II	1.139 (0.867–1.496)	0.139	0.351
		Grade III	1.878 (1.405–2.511)	0.148	<0.001
		Grade IV	2.284 (1.572–3.320)	0.191	<0.001
		Unknown	1.189 (0.779–1.814)	0.216	0.422
Surgery	Surgery performed	Surgery not performed	9.343 (6.984–12.500)	0.149	<0.001
		performed	1.022 (0.900–1.161)	0.065	0.735
Tumor size	≤5 cm	>5 cm	1.022 (0.900–1.161)	0.065	0.735
		Unknown	1.282 (1.011–1.627)	0.122	0.041
Age at diagnosis (years)	≤50	51–55	1.033 (0.868–1.231)	0.089	0.712
		56–60	1.387 (1.184–1.624)	0.081	<0.001
		≥61	1.458 (1.243–1.711)	0.082	<0.001
County % with bachelor degree	5.95%–20.77%	20.78%–29.91%	1.218 (1.015–1.462)	0.093	0.034
		29.92%–35.57%	1.164 (0.968–1.400)	0.094	0.106
		35.58%–64.01%	1.366 (1.126–1.656)	0.098	0.002
County % were unemployed	1.92%–8.66%	8.67%–9.60%	1.095 (0.921–1.301)	0.088	0.303
		9.61%–11.27%	1.051 (0.877–1.259)	0.092	0.591
		11.28%–21.21%	1.148 (0.960–1.373)	0.091	0.129
AJCC stage	I	II A	2.557 (1.942–3.367)	0.140	<0.001
		II B	7.243 (5.059–10.369)	0.183	<0.001
		II C	9.094 (6.520–12.684)	0.170	<0.001
		III A	2.003 (1.286–3.112)	0.226	0.002

		III B	6.341 (4.932–8.154)	0.128	<0.001
			19.014 (14.722–		
		III C	24.557)	0.131	<0.001
NBF stage	Stage 0	Stage 1	1.771 (1.569–2.000)	0.062	<0.001



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