

Appendix
Factors Associated With Health-Related Quality of Life Among Colorectal Cancer Survivors
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Appendix 1. Unadjusted Marginal Means for Physical, Mental, and Overall HRQOL by Socio-Demographic, Cancer-Related, and Physical Activity Variables

	Physical HRQOL T-Score		Mental HRQOL T-Score		EQ-5D HRQOL Score	
	Mean (SE)	<i>p</i> -value	Mean (SE)	<i>p</i> -value	Mean (SE)	<i>p</i> -value
Overall mean score	46.40 (0.29)		41.78 (0.26)		0.69 (0.004)	
Age						
<60	48.33 (0.43)	<0.001	39.84 (0.44)	<0.001	0.72 (0.006)	<0.001
60–69	48.10 (0.44)		40.88 (0.43)		0.71 (0.006)	
70–79	46.78 (0.48)		41.59 (0.44)		0.70 (0.007)	
80+	44.15 (0.59)		43.29 (0.50)		0.65 (0.008)	
Gender						
Male	46.81 (0.42)	0.174	42.08 (0.36)	0.273	0.69 (0.006)	0.083
Female	46.03 (0.39)		41.51 (0.36)		0.68 (0.006)	
Race/ethnicity						
NH white	46.67 (0.39)	0.267	41.29 (0.33)	0.021	0.69 (0.006)	0.390
NH black	45.22 (0.65)		42.72 (0.61)		0.67 (0.009)	
NH other	46.19 (0.61)		42.21 (0.66)		0.68 (0.009)	
Hispanic	45.87 (0.65)		43.14 (0.59)		0.68 (0.010)	
Marital status						
Married/Partnered	46.89 (0.36)	0.051	41.24 (0.33)	0.008	0.69 (0.005)	0.047
Single/Divorced/Widowed/Separated	45.69 (0.50)		42.62 (0.40)		0.68 (0.007)	
Education						
High school degree or less	45.48 (0.51)	0.027	43.48 (0.45)	<0.001	0.67 (0.008)	0.001
Some college	46.74 (0.50)		41.22 (0.36)		0.69 (0.007)	
College degree or more	47.37 (0.49)		40.20 (0.48)		0.70 (0.007)	
Employment status						
Employed/Self-employed	48.43 (0.38)	<0.001	40.47 (0.38)	0.001	0.72 (0.005)	<0.001
Retired/Not employed for wages	45.95 (0.36)		42.12 (0.32)		0.68 (0.005)	
Comorbidity						
0	48.78 (0.48)	<0.001	40.67 (0.44)	0.001	0.73 (0.006)	<0.001
1	47.38 (0.55)		41.09 (0.47)		0.70 (0.007)	
2+	44.85 (0.40)		42.67 (0.38)		0.66 (0.006)	
Number of treatments received						
0–1	46.21 (0.44)	0.192	42.01 (0.40)	0.153	0.68 (0.006)	0.049
2–3	46.99 (0.39)		41.21 (0.38)		0.70 (0.006)	
Currently undergoing treatment						
Yes	47.31 (1.10)	0.424	41.79 (1.05)	0.978	0.69 (0.017)	0.767
No	46.40 (0.30)		41.76 (0.27)		0.69 (0.004)	
Cancer recurrence						
Yes	45.05 (0.90)	0.117	41.95 (0.94)	0.879	0.67 (0.013)	0.197
No	46.54 (0.31)		41.80 (0.27)		0.69 (0.004)	
Multiple primary cancers						
Yes	46.03 (0.74)	0.555	42.57 (0.58)	0.117	0.68 (0.010)	0.629
No	46.50 (0.31)		41.56 (0.29)		0.69 (0.004)	
BMI category						
<25	46.82 (0.44)	0.358	41.89 (0.45)	0.717	0.69 (0.007)	0.171
25–29.9	46.47 (0.51)		41.55 (0.41)		0.69 (0.007)	
30+	45.69 (0.64)		42.08 (0.55)		0.67 (0.009)	
Minutes of weekly PA						
No physical activity	44.52 (0.50)	<0.001	42.98 (0.45)	0.007	0.66 (0.007)	<0.001
60 min. or less	47.05 (0.83)		41.91 (0.68)		0.69 (0.011)	
61–149 minutes	46.87 (0.73)		41.42 (0.71)		0.69 (0.010)	
150–249 minutes	47.72 (0.64)		41.04 (0.65)		0.71 (0.009)	
250+ minutes	48.40 (0.50)		40.59 (0.50)		0.72 (0.006)	
Minutes of weekly MVPA						
No MVPA	45.51 (0.39)	<0.001	42.62 (0.34)	<0.001	0.67 (0.006)	<0.001
60 min. or less	47.49 (0.72)		41.28 (0.74)		0.70 (0.011)	
61–149 minutes	47.46 (0.81)		39.71 (0.72)		0.71 (0.010)	
150+ minutes	48.37 (0.54)		40.59 (0.57)		0.72 (0.007)	

Note: Estimated marginal means are weighted and incorporate design and post-stratification adjustments. Boldface indicates statistical significance ($p < 0.05$) for associations with each outcome based on Wald F-tests from unadjusted linear regression models.

PA, physical activity; MVPA, moderate to vigorous physical activity; HRQOL, health-related quality of life