

Appendix
Correlates of Sun Protection and Sunburn in Children of Melanoma Survivors
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Appendix Table 1. Correlates of Children’s Sun Protection Behaviors in Multivariable Analyses, N=340 Melanoma Survivors Reporting on One of Their Children

A. Sunscreen

Independent variables	Sunscreen		
	Adjusted R ² : 36%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	0.035	0.009	<0.001
<i>Survivor</i>			
No. melanomas	0.142	0.070	0.04
Sunscreen self-efficacy	0.051	0.046	0.27
Sunscreen outcome expectations	-0.046	0.043	0.28
Tanning outcome expectations	-0.025	0.034	0.47
Sunscreen intentions	0.154	0.041	<0.001
Sunscreen accessibility	0.248	0.159	0.12
Perceived risk, skin cancer	0.045	0.052	0.40
Perceived benefits of sunscreen	0.095	0.058	0.10
Doctor/HCP sunscreen recommendation	0.093	0.087	0.29
Knowledge	0.002	0.035	0.96
Sunscreen behavior	0.342	0.054	<0.001

B. Wide-brimmed hat

Independent variables	Wide-brimmed hat		
	Adjusted R ² : 48%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	-0.029	0.012	0.02
<i>Survivor</i>			
Ethnicity	0.491	0.237	0.04
No. melanomas	0.080	0.070	0.26
Hat self-efficacy	0.112	0.048	0.02
Hat outcome expectations	-0.141	0.057	0.014
Tanning outcome expectations	-0.105	0.045	0.02
Hat intentions	0.099	0.048	0.04
Hat availability	0.709	0.117	<0.001
Hat accessibility	-0.134	0.126	0.29
Perceived risk, sunburn	0.031	0.058	0.60
Perceived risk, skin cancer	0.073	0.071	0.31
Knowledge	0.020	0.047	0.68
Wide-brimmed hat behavior	0.107	0.040	0.008

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C. Clothing

Independent variables	Clothing		
	Adjusted R ² : 30%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	-0.017	0.010	0.07
Sex	-0.165	0.075	0.03
<i>Survivor</i>			
Clothing self-efficacy	0.028	0.042	0.50
Clothing outcome expectations	-0.126	0.047	0.008
Clothing intentions	0.045	0.043	0.29
Clothing availability	0.199	0.105	0.06
Clothing accessibility	0.149	0.121	0.22
Perceived risk, skin cancer	-0.003	0.058	0.95
Doctor/HCP hat/clothing recommendation	0.056	0.075	0.45
Knowledge	0.050	0.038	0.19
Clothing behavior	0.291	0.054	<0.001

D. Sunglasses

Independent variables	Sunglasses		
	Adjusted R ² : 11%		
	<i>B</i>	SE	<i>p</i> -value
<i>Survivor</i>			
Marital status	-0.359	0.188	0.06
No. melanomas	0.229	0.109	0.04
Time since diagnosis	0.052	0.014	<0.001
Family history of melanoma	0.226	0.132	0.09
Sunglasses behavior	0.210	0.051	<0.001

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E. Shade

Independent variables	Shade		
	Adjusted R ² : 37%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	-0.041	0.009	<0.001
<i>Survivor</i>			
Shade self-efficacy	0.127	0.043	0.003
Shade outcome expectations	-0.120	0.043	0.005
Tanning outcome expectations	-0.011	0.032	0.72
Shade intentions	0.077	0.038	0.04
Shade availability	0.137	0.074	0.07
Knowledge	0.040	0.031	0.21
Shade behavior	0.180	0.047	<0.001

F. Limiting time

Independent variables	Limiting time		
	Adjusted R ² : 45%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	-0.044	0.013	0.001
<i>Survivor</i>			
Sex	-0.024	0.102	0.82
Marital status	0.138	0.170	0.42
Limiting time self-efficacy	0.061	0.065	0.35
Limiting time outcome expectations	-0.069	0.064	0.29
Tanning outcome expectations	-0.051	0.047	0.28
Limiting time intentions	0.274	0.054	<0.001
Perceived risk, skin cancer	0.077	0.073	0.29
Knowledge	0.042	0.049	0.39
Worry child may develop skin cancer	0.077	0.064	0.23
Limiting time behavior	0.342	0.052	<0.001

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G. Sun protection composite

Independent variables	Sun protection composite		
	Adjusted R ² : 60%		
	<i>B</i>	SE	<i>p</i> -value
<i>Child</i>			
Age	-0.020	0.006	0.001
<i>Survivor</i>			
Time since diagnosis	0.013	0.006	0.030
Shade self-efficacy	0.098	0.032	0.003
Clothing outcome expectations	-0.068	0.029	0.020
Sunscreen behavioral intentions	0.099	0.028	0.001
Perceived risk, sunburn	0.091	0.028	0.001
Hat availability	0.180	0.056	0.001
Sun protection composite	0.326	0.049	<0.001

Note: A potential correlate was included in Tables 4A-4F if it was associated ($p < 0.10$) with the behavior in univariate analyses. *B*, SE and *p*-value estimates are from the multivariable model. Boldface indicates statistical significance ($p < 0.05$). Given the large number of potential correlates that were associated ($p < 0.10$) with the sun protection composite in univariate analyses, but were not significantly associated ($p < 0.05$) in the multivariable model, only variables that were significantly associated with the sun protection composite in the multivariable model are included in Appendix Table 1G. *B*, SE and *p*-value estimates are from the multivariable model
HCP, health care provider