

Supplementary Online Content

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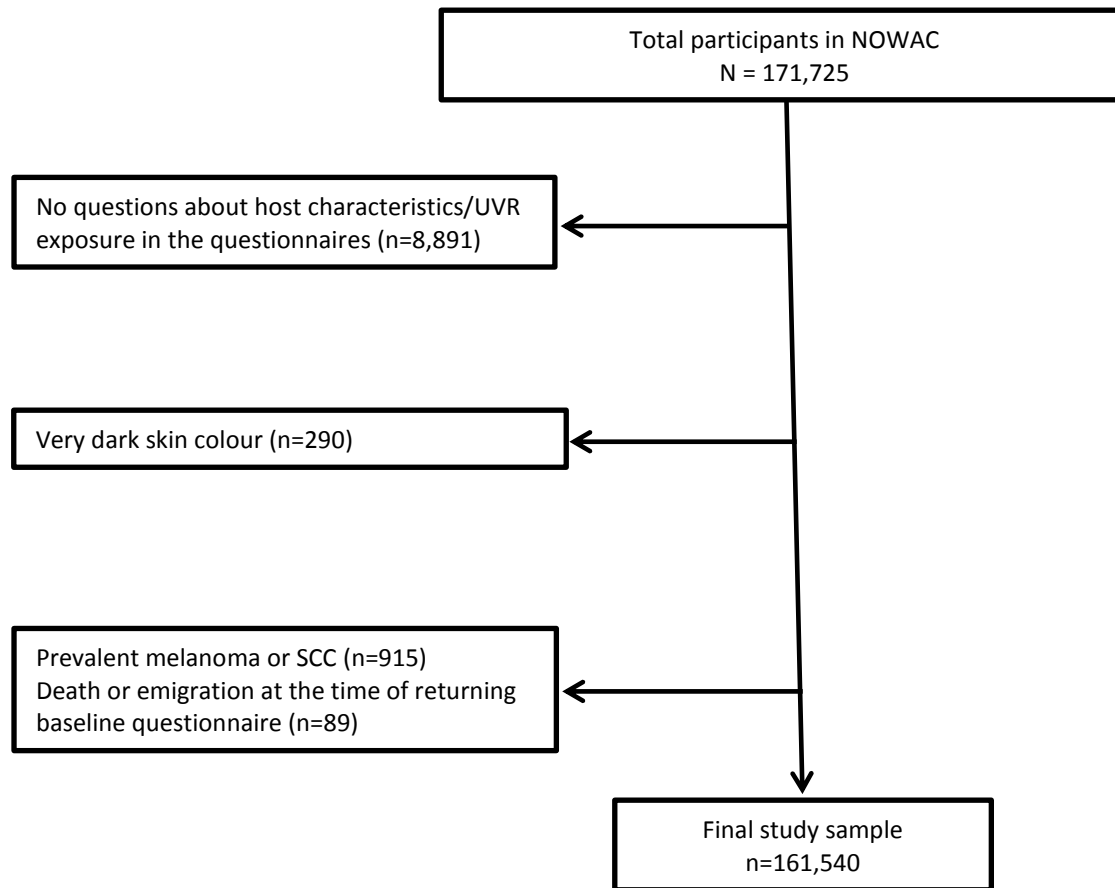
eFigure. Flow Diagram of Study Sample From the Norwegian Women and Cancer (NOWAC) Study

eTable 1. Odds Ratios (ORs) and 95% CIs for Age at Diagnosis, Subtype and Breslow Thickness by Body Sites of Melanoma

eTable 2. Relative Risks (RRs) and 95% CIs for Joint Effects of Hair Color, Number of Large Asymmetric Nevi on Legs, Number of Small Symmetric Nevi on Arms/Legs, and Freckling When Sunbathing, for Risk of Melanoma Overall and Site Specific

This supplementary material has been provided by the authors to give readers additional information about their work.

eFigure. Flow Diagram of Study Sample From the Norwegian Women and Cancer (NOWAC) Study



eTable 1. Odds Ratios (ORs) and 95% CIs for Age at Diagnosis, Subtype and Breslow Thickness by Body Sites of Melanoma								
	Trunk (461 cases)	Lower limb (520 cases)		Upper limb (219 cases)		Head/neck (110 cases)		P for heterogeneity
	Cases	Cases	OR (95% CI) ^a	Cases	OR (95% CI) ^a	Cases	OR (95% CI) ^a	
Age at diagnosis (years)								
<50	37	76	1.00	17	1.00	9	1.00	
50 – 59	175	181	0.53 (0.33 – 0.85)	64	0.77 (0.40 – 1.50)	28	0.64 (0.26 – 1.56)	P _{TL} =0.008
60 – 69	203	218	0.54 (0.34 – 0.86)	104	0.94 (0.49 – 1.80)	43	0.49 (0.20 – 1.20)	P _{TL} =0.009
≥70	46	45	0.53 (0.28 – 1.02)	34	2.01 (0.89 – 4.20)	30	2.12 (0.78 – 5.74)	P _{HL} =0.005 P _{UL} =0.001
			P for trend=0.072		P for trend=0.055		P for trend=0.21	
Subtype								
SSM	308	347	1.00	118	1.00	43	1.00	
NM	58	68	1.01 (0.64 – 1.62)	45	2.16 (1.23 – 3.81)	16	2.01 (0.89 – 4.57)	P _{TU} =0.007 P _{UL} =0.006
LM	3	3	0.66 (0.11 – 4.00)	6	3.55 (0.82 – 15.30)	23	42.87 (11.32 – 162.35)	P _{HT} <0.001 P _{HU} <0.001 P _{HL} <0.001 P _{UL} =0.048
Other ^b	91	102	0.98 (0.68 – 1.41)	48	1.28 (0.79 – 2.05)	27	2.02 (1.04 – 3.91)	P _{HT} =0.037 P _{HL} =0.030
Breslow thickness (mm)								
<0.80	183	186	1.00	82	1.00	38	1.00	
0.80 – 1.00	81	100	1.26 (0.88 – 1.81)	39	1.00 (0.62 – 1.60)	10	0.68 (0.30 – 1.50)	
1.01 – 2.00	63	91	1.39 (0.93 – 2.08)	39	1.12 (0.67 – 1.87)	21	1.54 (0.76 – 3.12)	
2.01 – 4.00	49	54	1.10 (0.67 – 1.80)	22	0.65 (0.34 – 1.25)	10	0.85 (0.34 – 2.13)	
>4.00	19	15	0.78 (0.37 – 1.64)	7	0.52 (0.20 – 1.38)	5	1.08 (0.33 – 3.50)	
			P for trend=0.64		P for trend=0.43		P for trend=0.69	
^a Multinomial logistic regression analysis adjusted for all variables in the table. Abbreviations: SSM, superficial spreading melanoma; NM, nodular melanoma; LM, lentigo maligna melanoma; T, trunk; L, lower limb; U, upper limb; H, head/neck. ^b Including other subtypes and unspecified. Numbers may not add up to the subgroup totals due to missing data.								

eTable 2. Relative Risks (RRs) and 95% CIs for Joint Effects of Hair Color, Number of Large Asymmetric Nevi on Legs, Number of Small Symmetric Nevi on Arms/Legs, and Freckling When Sunbathing, for Risk of Melanoma Overall and Site Specific

	Total		Trunk		Lower limb		Upper limb		Head/neck	
	Cases	RR (95% CI) ^a	Cases	RR (95% CI) ^a	Cases	RR (95% CI) ^a	Cases	RR (95% CI) ^a	Cases	RR (95% CI) ^a
Hair colour – freckling when sunbathing										
Black/dark brown – No	78	1.00	35	1.00	23	1.00	10	1.00	10	1.00
Black/dark brown – Yes	39	1.12 (0.76 – 1.66)	8	0.56 (0.26 – 1.21)	20	2.18 (1.20 – 3.98)	6	1.53 (0.63 – 2.51)	5	1.26 (0.42 – 3.78)
Brown – No	186	1.07 (0.82 – 1.39)	67	0.85 (0.56 – 1.28)	75	1.50 (0.94 – 2.40)	27	1.44 (0.65 – 3.18)	17	0.80 (0.37 – 1.75)
Brown – Yes	158	1.63 (1.24 – 2.15)	50	1.24 (0.80 – 1.92)	70	2.77 (1.72 – 4.45)	31	3.26 (1.50 – 7.10)	7	0.67 (0.25 – 1.81)
Blond/yellow – No	318	1.74 (1.35 – 2.23)	118	1.46 (1.00 – 2.14)	125	2.47 (1.58 – 3.87)	46	2.60 (1.22 – 5.55)	29	1.31 (0.63 – 2.74)
Blond/yellow – Yes	220	2.08 (1.60 – 2.71)	86	1.97 (1.32 – 2.95)	90	3.31 (2.08 – 5.27)	29	2.81 (1.28 – 6.17)	15	1.30 (0.57 – 2.99)
Red – No	8	4.96 (2.38 – 10.34)	3	3.71 (1.14 – 12.15)	3	6.15 (1.83 – 20.69)	2	12.15 (2.56 – 57.72)	0	-
Red – Yes	80	4.01 (2.92 – 5.52)	25	2.72 (1.61 – 4.59)	33	5.93 (3.47 – 10.16)	14	7.47 (3.15 – 17.75)	8	3.17 (1.18 – 8.54)
		P for interaction=0.16		P for interaction=0.09		P for interaction=0.27		P for interaction=0.20		P for interaction=0.66
Hair colour – Large asymmetric nevi on legs										
Black/dark brown/brown – No	435	1.00	153	1.00	178	1.00	72	1.00	32	1.00
Black/dark brown/brown – Yes	50	2.54 (1.89 – 3.41)	18	2.39 (1.47 – 3.90)	21	2.43 (1.55 – 3.81)	6	1.73 (0.75 – 3.99)	5	3.15 (1.22 – 8.11)
Blond/yellow/red – No	592	1.61 (1.42 – 1.83)	212	1.68 (1.36 – 2.07)	233	1.60 (1.31 – 1.95)	98	1.68 (1.23 – 2.29)	49	1.83 (1.17 – 2.86)
Blond/yellow/red – Yes	108	5.54 (4.48 – 6.86)	36	4.94 (3.44 – 7.09)	51	6.10 (4.47 – 8.35)	13	3.96 (2.19 – 7.14)	8	5.16 (2.35 – 11.35)
		P for interaction=0.09		P for interaction=0.47		P for interaction=0.09		P for interaction=0.49		P for interaction=0.70
Hair colour – Small symmetric nevi on arms/legs										
Black/dark brown/brown – ≤10	111	1.00	31	1.00	41	1.00	23	1.00	16	1.00
Black/dark brown/brown – >10	187	2.10 (1.66 – 2.66)	62	2.60 (1.68 – 4.03)	78	2.36 (1.60 – 3.46)	33	2.03 (1.19 – 3.46)	14	1.33 (0.65 – 2.73)
Blond/yellow/red – ≤10	157	1.60 (1.25 – 2.04)	47	1.73 (1.09 – 2.73)	66	1.77 (1.20 – 2.62)	30	1.47 (0.84 – 2.55)	14	0.90 (0.44 – 1.86)
Blond/yellow/red – >10	255	3.41 (2.72 – 4.27)	102	5.17 (3.43 – 7.78)	97	3.41 (2.35 – 4.95)	37	2.70 (1.60 – 4.57)	19	2.00 (1.03 – 3.89)
		P for interaction=0.65		P for interaction=0.78		P for interaction=0.34		P for interaction=0.92		P for interaction=0.25

^a Poisson regression analysis adjusted for attained age, birth-cohort, skin colour, and residential ambient ultraviolet radiation exposure.