

# Skin Cancer Screening Reference Guide

## Screening Recommendations

### Populations at risk for developing melanoma

Adults aged 35–75 years should be screened at least annually with a total body skin examination when presenting with one or more of the following risk factors:

- Personal history of skin cancer, pre-cancerous lesions, or predisposing genetic mutation;
- Family history suggestive of a predisposition toward melanoma; or
- Physical features suggestive of susceptibility for skin cancer.

See over for a table that provides more details on risk factors.

## Intake Form

### Doorway risk assessment

- Fair complexion
- Blonde, red, or light brown hair
- Blue, green, or hazel eyes
- Light skin colors (Fitzpatrick I–III, Fitzpatrick 1988)
- Numerous freckles
- Many visible moles
- Evidence of sun-damaged skin

## Key Clinical History Questions

- Do you have a history of skin cancer?
- Have you ever had a mole biopsied?
- Do you have a history of immunosuppression?
- Do you have a history of severe UV exposure?
- How many sunburns did you have as a child?
- How many blistering sunburns have you had in your lifetime?
- Have you ever used a tanning bed or solarium?
- Do you have a family history of skin cancer?

## Diagnosis Codes

Atypical nevus (*need to specify site*) — D22.X

Family history of melanoma — Z80.8

Family history of skin cancer — Z80.8

Freckles — L81.2

History of atypical nevus — Z87.898

History of sun-damaged skin — Z87.2

Multiple pigmented nevi of the trunk and extremities — D22.7

Personal history of melanoma — Z85.820

Personal history of skin cancer — Z85.828

Personal risk factors not otherwise specified — Z91.89

Screening for skin cancer — Z12.83

Skin tanning due to UV light — L56.8

Sun-damaged skin — L57.8

Tanning bed use — Z91.89

## Sample EPIC SmartPhrase (dot phrase) for Risk Factor Assessment

- Fitzpatrick skin type I–III: {YES/NO:63}
- Blond or red hair: {YES/NO:63}
- >40 total nevi: {YES/NO:63}
- ≥2 atypical nevi: {YES/NO:63}
- Many freckles: {YES/NO:63}
- Severely sun-damaged skin: {YES/NO:63}
- History of blistering or peeling sunburns: {YES/NO:63}
- History of indoor tanning: {YES/NO:63}
- Personal history of melanoma, actinic keratoses, or nonmelanoma skin cancer: {YES/NO:63}
- Personal history of CDKN2A (or other high-penetrance gene) mutation carrier: {YES/NO:63}
- Personal history of immunocompromise: {YES/NO:63}
- Family history of melanoma in one or more first degree family members: {YES/NO:63}
- Family history suggestive of a hereditary predisposition to melanoma: {YES/NO:63}

Risk level	Melanoma risk factors	Melanoma RR/OR/SIR	Reference
<b>Elevated risk</b>	1 atypical nevus vs 0	1.5	Gandini I 2005
	Total common nevi 16 Gandini III 2005 vs <15	1.5	Gandini I 2005
	Blue eye color vs dark	1.5	Gandini III 2005
	Hazel eye color vs dark	1.5	Gandini III 2005
	Green eye color vs dark	1.6	Gandini III 2005
	Light brown hair vs dark	1.6	Gandini III 2005
	Indoor tanning ever use in any gender vs never use	1.7	Lazovich 2010
	Fitzpatrick II vs IV	1.8	Gandini III 2005
	Fitzpatrick III vs IV	1.8	Gandini III 2005
	History of sunburn vs no history	2.0	Gandini II 2005
	Blond hair vs dark	2.0	Gandini III 2005
	2 atypical nevi vs 0	2.1	Gandini I 2005
	Fitzpatrick I vs IV	2.1	Gandini III 2005
	High density of freckles vs low	2.1	Gandini III 2005
	Total common nevi 41–60 vs <15	2.2	Gandini I 2005
<b>Moderately elevated risk</b>	Family history of melanoma in one or more first degree relative	1.7–3.0	Gandini III 2005, Ford 1995, Kefford 1999
	3 atypical nevi vs 0	3.0	Gandini I 2005
	Total common nevi 61–80 vs <15	3.3	Gandini I 2005
	Red hair vs dark	3.6	Gandini III 2005
	CLL	3.9	Olsen and Lane 2016
	History of AK and/or KC vs no history	4.3	Gandini III 2005
	Indoor tanning use in women aged 30–39 years vs never use	4.3	Lazovich 2016
	4 atypical nevi vs 0	4.4	Gandini I 2005
<b>Marked risk</b>	Transplant recipient vs general population	2.2–4.6	Robbins 2015, Fattouh 2017
	Indoor tanning use in women aged <30 years vs never use	6.0	Lazovich 2016
	5 atypical nevi vs 0	6.4	Gandini I 2005
	Total common nevi 101–120 vs <15	6.9	Gandini I 2005
	Personal history of melanoma	8.2–13.4	Bradford 2010
	CDKN2A mutation carrier	14–28	Begg 2005

#### Reference

Johnson MM, Leachman SA, Aspinwall LG, Cranmer LD, Curiel-Lewandrowski C, Sondak VK, Stemwedel CE, Swetter SM, Vetto J, Bowles T, Dellavalle RP, Geskin LJ, Grossman D, Grossmann KF, Hawkes JE, Jeter JM, Kim CC, Kirkwood JM, Mangold AR, Wong, MK. (2017). Skin cancer screening: recommendations for data-driven screening guidelines and a review of the U.S. Preventive Services Task Force controversy. *Melanoma Management*, 2017, Vol. 4, Issue 1, pp 13–37.