

BRIEF SKIN CANCER RISK ASSESSMENT Demographic Information

1. Sex

- Male Female

2. Date of Birth

Month		Day		Year			

3. What ethnic group do you most identify with?

- | | |
|--|--|
| <input type="radio"/> Caucasian | <input type="radio"/> Filipino |
| <input type="radio"/> Japanese | <input type="radio"/> Chinese |
| <input type="radio"/> Korean | <input type="radio"/> Hawaiian/Part Hawaiian |
| <input type="radio"/> Pacific Islander | <input type="radio"/> Other |

3a. Are you part Hawaiian?

- No Yes

4. Where were you born?

		or																		
State			Country																	

5. How long have you lived in Hawai'i?

		or		
Years			Months	

6. How much schooling do you have? (please fill the highest level completed)

- Did not complete high school
- Completed high school
- Completed some college
- Graduated from a four year college
- Completed graduate school

Sun Protection Habits

**1. When you are outdoors in the sun,
How often do you do each of the following?**

	Rarely or Never	Sometimes	Usually	Always
a) Wear a shirt with long sleeves?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b) Stay in the shade or under an umbrella?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c) Apply sunscreen?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d) Wear a hat?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. This summer, are you planning to be away for three consecutive weeks or longer during the months of June, July, and August?

- No Yes

For office use only

ID Number	Date of Interview	Minutes to complete	

H12K0131



1. Have you ever had skin cancer?

- No Yes

30

a) If Yes, what type(s) of skin cancer have you had?

- Melanoma Basal cell carcinoma Squamous cell carcinoma Don't know which type

b) Did the skin cancer spread to your lymph nodes or anywhere else in your body?

- No Yes

c) When did you complete the treatment for your skin cancer(s)?

- Over a year ago Within the past year Still being treated

2. How many moles do you have on your body that are larger than a pencil eraser (1/4 inch)?

- 0 1 - 2 3 - 5 6 - 10 > 10
5 10 20 30

3. How many freckles did you have as a child?

- None Few Many
2 4

4. Where did you live during most of your childhood? (up to age 18)

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 or

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State Country

Area Score

- 0 5 10

5. How many times have you had a severe sunburn that blistered?

- 0 1 - 2 3 - 5 6 - 10 > 10
1 2 3 4

6. What is the color of your non-sun-exposed skin?

- Very Fair Fair Olive Light brown Medium brown Dark brown or black
20 18 16 4 2

7. What was your natural hair color as a teenager?

- Red Blonde Light Brown Dark brown Black
4 3 2 1

8. Do you burn easily in the sun?

- No Yes
3

9. After one week in the summer sun, how dark a tan would you get?

- None Light Medium Dark
3 2 1

10. Has any close blood relative (parent, child, brother, sister) ever had a skin cancer?

- No Yes

If Yes, what type(s) of skin cancer was it?

- Melanoma Basal cell carcinoma Squamous cell carcinoma Don't know which type

HI2K0131



Variables and Scoring: Brief Skin Cancer Risk Assessment (BRAT)

Variables

RISK FACTOR VARIABLES

1. Ethnicity
2. Prior skin cancer
3. Moles
4. Sun sensitivity (skin color, hair color, ability to tan, Ease of burning)
5. Childhood residence (sun exposure/latitude)
6. Sunburn history
7. Family history
8. Freckles

RISK RATIO

- Caucasian = 10 to 1 compared to non-Caucasians
Exclusion if still in treatment
Automatically places someone in high risk category, otherwise
10-fold risk for high number of moles
4 to 5-fold risk
2 to 3-fold risk for southern/tropical latitude (HI vs. NY)
2 to 3-fold risk for many vs. none
Confers risk, but due to unreliability of response, unscored risk item
(we can examine whether it changes risk, based on pilot responses)
2 to 3-fold risk for many vs. none

OTHER DEMOGRAPHICS - NO DIRECT/SIGNIFICANT RISK FACTOR ROLE

9. Gender
 10. Age
 11. Where born
 12. Length of time lived in Hawaii/Long Island
 13. Education level
- Increases through life, melanoma is #1 cancer in 25-35 yrs age group;
prior history affects how much risk "remains," and squamous CC
is uncommon in people < age 65. No simple risk equation.

Items, Scoring for Risk Factor Variables

VARIABLE	SCORING
1. Ethnicity	<u>Not scored</u> , but stratified: Caucasian: may be in any risk group; Non-Caucasian may be low or moderate risk only, unless person has personal history of skin cancer
2. Prior skin cancer	Yes to prior skin cancer = 30, No = 0 Exclusion if still in treatment (yes to "1", still being treated to "c")
3. Moles	<u>Not scored</u> : 1a, 1b, 1c None = 0, 1-2 = 5, 3-5 = 10, 6 to 10 = 20, >10 = 30
4. Sun sensitivity (skin color, hair color, ability to tan, ease of burning)	Skin color: 0 for dark brown/black, 2 for medium brown, 4=light brown, 16=olive, 18=fair, 20=very fair Hair color: 0 for black, 1=dark brown, 2=light brown, 3=blond, 4=red Burn easily in sun: 0 = no, 3 = yes Ability to tan: 0 dark, 1=medium, 2=light, 3=none <u>Composite SunSen score</u> : 0 to 4; add 1 for final score from 1 to 30
5. Childhood residence (sun exposure/latitude)	Northern latitude = 0, Southern US = 5; Hawaii/Australia/tropics = 10
6. Sunburn history	None = 0, 1 to 2 = 1, 3-5 = 2, 6-10 = 3, more than 10 = 4
7. Family history	<u>Unscored</u> risk item
8. Freckles	None = 0, Few = 2, Many = 4
<u>Total score possibilities</u> : 0 to 78 if no prior skin cancer, 30 to 108 if prior skin cancer	

* Demog = Demographic questionnaire, BRAT = Brief Skin Cancer Risk Assessment questionnaire

Project SCAPE

Protocol for filling out the Adult BRAT survey (interviews or self-administered)

NOTE: This protocol describes how the BRAT is used to assess eligibility for the Project SCAPE study. Some items and variables will be inapplicable in other research, clinical, or practice settings, and in states other than Hawaii.

Demographic Information

Question 1. Sex

Please select one answer only.

Question 2. Date of Birth

Participant should be between the age of 20 and 65. Individuals outside this age range are not eligible to enroll in the study.

Question 3. What ethnic group do you most identify with?

Participant should select one ethnic group only. If he/she comes from two or more different ethnic groups, ask them to please select only one. First ask which one they *most* identify with. If they still cannot choose, fill in the "Other" category and enter two ethnic groups, e.g., "Caucasian" and "Japanese" in the space provided. If participant is mixed *and* part Hawaiian, only fill in the "Other" category and enter appropriate ethnic background in the space provided, then for question 3a. **Are you part Hawaiian?**, select "Yes".

Question 4. Where were you born?

See attached sheet with appropriate abbreviations for all 50 states. If born abroad, enter full name of country.

Question 5. How long have you lived in Hawaii?

Round off years to the nearest whole year. If the participant has lived in Hawaii for less than one year, enter the number of months they have lived in Hawaii.

NOTE: You can substitute your own state/location here.

Question 6. How much schooling do you have?

Make sure participant answers appropriately. If participant has completed an Associate's Degree, select "Completed some college".

Sun Protection Habits

Question 1.a) through 1.d) When you are outdoors in the sun, how often do you do the following?

Participants should answer based on what they feel is the average proportion of time they perform the different sun protection habits. For hat use, this means a full brimmed hat. Hats with front brims only, such as baseball caps and visors, are excluded.

Question 2. This summer, are you planning to be away for three consecutive weeks or longer during the months of June, July, and August?

If participant does not know yet, select "No".

NOTE: This was relevant to our research study eligibility, not to risk scoring, and may be deleted.

Skin and Sun Protection Habits (side 2 of BRAT)

Question 1. Have you ever had skin cancer?

This does not include pre-cancerous skin growths, like keratosis, which older people often have removed. If they did have skin cancer and are still being treated, participants are not eligible to participate because they are not appropriate recipients of "risk" information right now and may be given sun protection information by their doctor. If they have not undergone treatment for skin cancer for six months or longer they still may qualify to participate.

Question 2. How many moles do you have on your body that are larger than a pencil eraser (1/4 inch)?

Only moles they currently have should be counted. Do not count moles that have been removed.

Question 3. How many freckles did you have as a child?

Many people may not remember how many freckles they had. If they indicate the number is between few and many, rephrase the question and ask, "Would you say you had few freckles or many freckles?"

Question 4. Where did you live during most of your childhood? (Up to age 18)

This question is very important because anyone born and raised in the tropics (Hawaii, Australia, Philippines, and anywhere else in the world with similar tropical weather) is probably at risk. Use geographic codes to score the different areas in the world. If in doubt, and other risk factors are high, it is preferable to sign up participant. Notify the coordinator about participant in question.

Question 5. How many times have you had a sunburn that blistered?

This question is concerned with burns that resulted in water filled blisters. Burning and peeling should not be counted. You should clarify this for the participant.

Question 6. What is the color of your non-sun-exposed skin?

This question refers to an area off the body rarely exposed to the sun, such as the upper inner arm. Areas such as the face, legs and forearms should not be considered.

Question 7. What was your natural hair color as a teenager?

Please select only one answer.

Question 8. Do you burn easily in the sun?

If participant says they never go out in the sun, rephrase the question saying, "If you were to go out in the sun, would you burn easily?" Some people may respond that it depends whether they are using sunscreen or not. You can respond by saying, "If you did not wear sunscreen, and were in the sun, would you burn easily?"

Question 9. After one week in the summer sun, how dark a tan would you get?

Many participants have not spent this much time out in the sun. They should still try to evaluate their skin's sensitivity to the summer sun. You may rephrase the question to "If you were to be out in the summer sun for a week, how dark a tan would you get?"

Question 10. Has any close blood relative (parent, sibling, child) ever had skin cancer?

This refers only to parents, siblings and children and excludes uncles, grandparents, in-laws etc. If participant is adopted or doesn't know about his/her biological parents, then "No" will be the correct answer.

After completing the Brief Risk Assessment Tool, calculate score. Double-check the score to make sure the person is eligible. Eligibility requires only a few risk factors, since a person who is fair and born and raised in Hawaii (will have a score of 28) is eligible to participate.

Please take the following precautions when conducting an interview or instructing someone to fill out the BRAT.

1. Do not use felt tip pen to complete survey. It may bleed through the paper making it unreadable to the scanning equipment.
2. Conditions that will exclude potential participants from the study, after completing the BRAT:
 - "Always" practices all four sun safety habits
 - Will be away from home three consecutive weeks during the summer. Make sure it is not separate absences.
 - Interview participant is currently undergoing skin cancer treatment
 - Interview participant has an immediate relative involved in Project SCAPE
3. Geographic codes for scoring countries and states have been updated. Please refer to them if you are unsure. If you have any questions about the score for a country, it is better to sign up a participant and disqualify them later, than to accidentally eliminate them without cause. If you have a score you are unsure of bring it to the attention of the Project Coordinator. If the Project Coordinator determines the individual is ineligible he/she will inform the survey participant that they were enrolled by mistake.
4. Make sure entries on the BRAT are legible
5. Ensure eligibility of participant. A score of 27 or higher means participant is eligible to enroll in the study. A score of 26 or less means that the participant is not eligible to enroll.
6. Be sure to enter the date of the interview on both the bottom front page of the BRAT (demographic information side) and the consent form.
7. Be sure the consent form is filled out legibly, and that the interviewer has initialed it.