

NOTIFICATION TO RESPONDENT OF ESTIMATED BURDEN

Public reporting burden for this collection of information is estimated to average 40 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. **An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.** Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx). Do not return the completed form to this address.

**Appendix B: Posttest Survey  
Solar Cell Randomized Trial**

1. Please estimate how many days in the past 3 months, that is from **[date enrolled and pretested]** until today, have you been outdoors in the sun between 10 am and 4 pm?

\_\_\_\_\_ days

2. About how many hours were you outdoors in the sun between 10 am and 4 pm in the past 3 months, that is from **[date enrolled and pretested]** until today?

\_\_\_\_\_ hours

Of the **[number days reported in Q1]** days you said you were outdoors in the sun between 10 am and 4 pm in the past 3 months, on approximately how many of those days did you:

	Days	Don't know/ remember
3. Wear sunscreen with SPF 15 or greater	_____	-99
4. Wear a sunscreen lip balm with SPF 15 or greater	_____	-99
5. Wear clothing that protected your skin from the sun such as long sleeve shirts and long pants	_____	-99
6. Wear a hat with a wide brim	_____	-99
7. Wear sunglasses (including eye glasses with transition lenses that darken in the sun)	_____	-99
8. Keep your time in the sun to a minimum	_____	-99
9. Stay in the shade	_____	-99

10. Has your skin been sunburned in the past 3 months, between **[date enrolled and pretested and today]**? That is, has it been red and/or painful from exposure to the sun?

Yes	-1
No	-2
Don't know/remember	-3

(If "Yes" to Q10, continue with Q11; if "No" or "Don't know/remember," skip to Q12)

11. About how many times has your skin been sunburned in the past 3 months between **[date enrolled and pretested]** and today?

\_\_\_\_\_ sunburns **(record exactly)**

Don't know/don't remember -99

12. Now speaking just of the past Saturday/Sunday, were you outdoors for longer than 15 minutes between 10 am and 3 pm? By outdoors, I mean not in a building and not in a covered vehicle.

**(If intermittently outdoors, ask:)**

Would you say you were actually outdoors for longer than 15 minutes in total?

**(Randomly order asking about Saturday or Sunday)**

Yes -1

No -2

Don't know/remember -3

**(If "Yes" to Q12, continue with Q13; if "No" or "Don't know/remember," skip to Q32)**

13. To the best of your recollection, how much of the sky was covered by clouds while you were outdoors last Saturday/Sunday?

0% (completely clear) -1

25% -2

50% -3

75% -4

100% (completely cloudy) -5

Don't know/remember -6

14. What was the temperature when you were outdoors last Saturday/Sunday?

Cold -1

Cool -2

Warm -3

Hot -4

Very hot -5

Don't know/remember -6

15. Was your skin sunburned last Saturday/Sunday?

Yes -1

No -2

Don't know/remember -3

16. Did you use a sunscreen with SPF 15 or greater on your skin last Saturday/Sunday?

Yes, used sunscreen -1

Yes, used makeup with sunscreen -2

No, didn't use sunscreen -3

Don't know/remember -4

**(If "Yes" on Q16, continue with Q17; if "No" or "Don't know/remember," skip to Q19)**

17. Did you apply the sunscreen before going out in the sun or after you'd been in the sun a while?

- Before going out in the sun -1
- After you'd been in the sun a while -2
- Don't know/remember -3

18. Did you re-apply the sunscreen at any time on Saturday/Sunday?

- Yes -1
- No -2
- Don't know/remember -3

19. Did you at any time choose to stay out of the sun so as not to get too much sun exposure last Saturday/Sunday?

- Yes -1
- No -2
- Don't know/remember -3

20. What activity were you doing most while outdoors last Saturday/Sunday between 10 am and 3 pm?

\_\_\_\_\_ (record exactly)

Don't know/remember -99

21. Were you mostly in the shade or mostly out in the open and not in the shade while you were outdoors **(Q20 activity)**?

- All in the shade/not in the open at all -5
- Mostly in the shade/in the open some time -4
- In the shade and in the open equally -3
- Mostly in the open/in some shade -2
- All in the open/not in shade at all -1
- Don't know/remember -9

22. Now, I'd like to know in detail what you were wearing when you were **(Q20 activity)** last Saturday/Sunday to find out how much of your skin was exposed to direct sunlight.

What clothing were you wearing on the upper or top part of your body?

- Top/dress/shirt/blouse -1
- Swimwear -2 (Go to Q24)
- Nothing/topless -3 (Go to Q24)
- Don't know/remember -4 (Go to Q24)

**(If "top/dress/shirt/blouse" in Q22, ask:)**

23. How long were the sleeves of that top/dress/shirt/blouse?

Long-sleeved	-4
Three-quarter length	-3
Elbow length	-2
Short-sleeved	-1
Sleeve-less	-0
Don't know/remember	-5

24. What were you wearing on the lower part of your body when you were **(Q20 activity)** last Saturday/Sunday?

Trousers/jeans/shorts/skirt/dress	-1
Swimwear/bathing suit	-2 <b>(Go to Q26)</b>
Bottomless	-3 <b>(Go to Q26)</b>
Don't know/remember	-4 <b>(Go to Q26)</b>

**(If "trousers/jeans/shorts/skirt/dress" in Q24, ask:)**

25. How long were/was your trousers/jeans/shorts/skirt/dress?

Ankle length	-3
Three-quarters length	-2
Knee length	-1
Above the knee	-0
Don't know/remember	-4

**(If "swimwear" in Q22 or Q24, ask Q26; if other clothing in Q22 and Q24 skip to Q27)**

26. What sort of swimwear were you wearing?

One piece suit	-6
Two-piece suit/bikini	-5
Bikini top only	-4
Bikini bottom only	-3
Long shorts	-2
Short shorts	-1
Briefs/speedos	-0
Don't know/remember	-7

27. What kind of footwear, if any, were you wearing when you were **(Q20 activity)** last Saturday/Sunday?

Thongs/flip-flops	-1
Sandals without socks/stockings	-2
Sandals with socks	-3
Sandals with stockings	-4
Shoes without socks/stockings	-5
Shoes with socks	-6
Shoes with stockings	-7
None	-8
Don't know/remember	-9

28. Were you wearing a cap, hat, or sun visor when you were **(Q20 activity)**?

- Yes, hat or cap -1
- Yes, visor -2 (Go to Q31)
- No, none -3 (Go to Q31)
- Don't know/remember -4 (Go to Q31)

Helmet = hat

**(If "hat or cap" in Q28, ask:)**

29. Did your hat/cap have a brim or flaps on the front, sides, and/or back? **(mark all that apply)**

- Front -1
- Sides -2
- Back -3
- No brim/flaps -4 (Go to Q31)
- Don't know/remember -5 (Go to Q31)

Helmet = No brim

**(If "brim" in Q29, ask:)**

30. Was the brim of your hat/cap wide or narrow?

- Yes, wide brim -1
  - No, narrow brim -2
  - Don't know/remember -3
- A brim of 4" or more is considered "wide."

31. Were you wearing sunglasses while you were **(Q20 activity)** last Saturday/Sunday?

- Yes -1
- No -2
- Don't know/remember -3

Eye glasses with transition lenses that darken in the sun = Yes

Do you agree or disagree with the following statements?

	Strongly Agree	Agree	Neither Agree nor Disagree/ Don't Know	Disagree	Strongly Disagree
32. Most of my family think getting a sun tan is a good thing.	-5	-4	-3	-2	-1
33. Most of my family think people should protect their skin from the sun.	-5	-4	-3	-2	-1
34. Most of my friends think getting a sun tan is a good thing.	-5	-4	-3	-2	-1
35. Most of my friends think people should protect their skin from the sun.	-5	-4	-3	-2	-1
36. I think I look healthier when I am suntanned.	-5	-4	-3	-2	-1
37. I think I look better when I am suntanned.	-5	-4	-3	-2	-1
38. It is too complicated to protect my skin from the sun so I still get sunburned.	-5	-4	-3	-2	-1
39. Protecting my skin from the sun fits	-5	-4	-3	-2	-1

well with my outdoor activities.					
40. It is easy to protect my skin from the sun.	-5	-4	-3	-2	-1
41. I am confident that I can avoid getting sunburned while outdoors in the summer sun.	-5	-4	-3	-2	-1

42. How confident are you that you can practice sun safety, that is wear sunscreen, protective clothing, a hat, and sunglasses, the next time you go out in the sun?

- Very confident -4
- Somewhat confident -3
- A little confident -2
- Not confident at all -1

43. Over the past 3 months, how often did you spend time in the sun in order to get a sun tan?

- A lot -5
- Often -4
- Sometimes -3
- Seldom -2
- Never -1
- Don't know/remember -5

On the average, out of 100 people like you, how many do you think will:

	Days	Don't know/ remember
44. Get sunburned while outdoors this summer	_____	-99
45. Intentionally try to get a sun tan this summer	_____	-99
46. Protect their skin from the sun this summer	_____	-99

47. Do you plan to protect your skin from the sun when you are outdoors this summer? That is, are you planning to apply sunscreen, wear protective clothing, wear a hat with a brim, limit your time out to the sun, and stay in the shade?

- Yes -1
- No -2
- Don't know -3

48. How willing are you to protect your skin from the sun when you are outdoors in the future?

- Very willing -1
- Somewhat willing -2
- Neither willing or unwilling -3
- Somewhat unwilling -4
- Very unwilling -5

Finally, we want to ask you about the Solar Cell mobile application for smart phones that you were asked to download and use in this study.

49. Overall, I would rate the user-friendliness of the Solar Cell mobile application as:

- Worst imaginable -0
- Awful -1
- Poor -2
- OK -3
- Good -4
- Excellent -5
- Best imaginable -6
- Don't know -7
- I never used the Solar Cell mobile application -8

How helpful was the advice provided by Solar Cell mobile application for protecting your skin to avoid sunburn? Please rate the usefulness of each type of advice provided by Solar Cell.

	Very Helpful	Mostly Helpful	Somewhat Helpful	Only a Little Helpful	Not Helpful At All	I Never Saw That Advice
50. The timer that told you how much time it would take to sunburn your skin.	-5	-4	-3	-2	-1	-9
51. The information on how much vitamin D your skin was making from the sun.	-5	-4	-3	-2	-1	-9
52. The picture that showed how much sunscreen you needed to apply to your skin.	-5	-4	-3	-2	-1	-9
53. The reminder to re-apply your sunscreen.	-5	-4	-3	-2	-1	-9
54. The UV Index	-5	-4	-3	-2	-1	-9
55. The icon that indicated when UV A was high and you needed to protect yourself.	-5	-4	-3	-2	-1	-9
56. The planner that told you how quickly your skin would sunburn at a time in the next five days.	-5	-4	-3	-2	-1	-9
57. The warning to be careful when outdoors in the sun while taking medications that might make your skin more sensitive to the sun.	-5	-4	-3	-2	-1	-9

58. Will you to use the Solar Cell mobile application in the future to help you protect your skin and avoid sunburn?

- Yes -1
- No -2
- Don't know -3

59. Would you recommend the Solar Cell mobile application to a friend or family member?

- Yes -1
- No -2
- Don't know -3

60. Out of five stars, how would you rate the Solar Cell mobile application?

- ☆☆☆☆☆ -5
- ☆☆☆☆ -4
- ☆☆☆ -3
- ☆☆ -2
- ☆ -1
- Don't know -6