

# Sun Exposure Survey 2016

## Questionnaire

September 2016

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## REVIEW

This report has not undergone external peer review.

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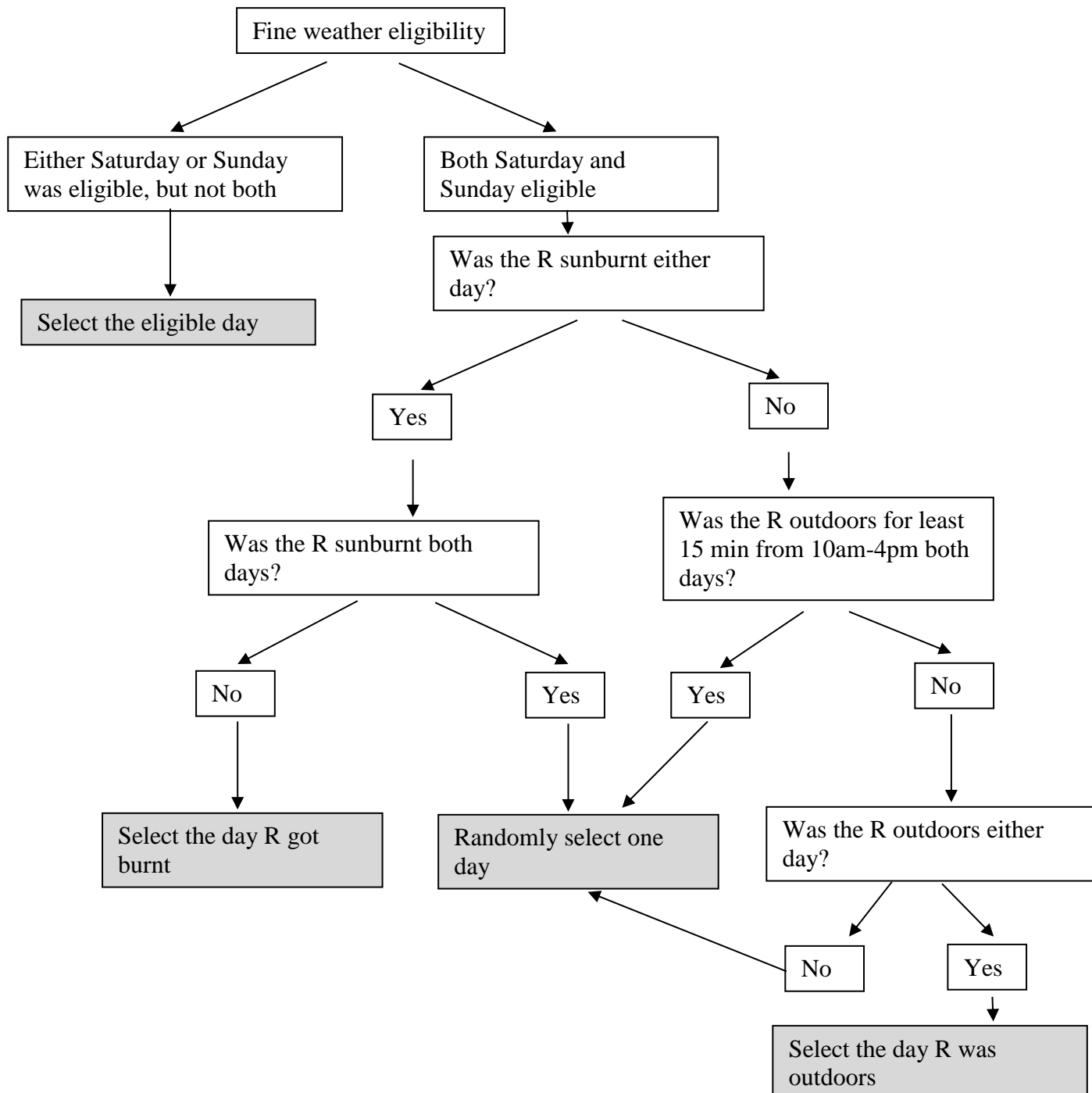
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# HEALTH PROMOTION AGENCY SUN EXPOSURE SURVEY 2016 QUESTIONNAIRE Final

## Flow diagram for selecting the day in question

The method in which a day was selected followed a set of criteria, which is explained below in the diagram. A household was only called if at least one of the weekend days met the fine weather criteria. The prioritisation order is as follows:

1. The day had to meet the fine weather criteria eligibility.
2. If the participant got sunburnt, choose that day.
3. If the participant was outdoors for at least 15 minutes from 10am to 4pm, choose that day.



## Section 1: Screening questions

**Q.1** Firstly, can I just check your age group? Are you...?

READ OUT

- (DO NOT READ) Under 13 years old (1) Ineligible. Thanks and close.
- 13-17 years (2) Teen sample – check quota.
- 18-24 years (3) Adult sample – check quota.
- 25-54 years (4) Adult sample – check quota.
- 55-64 years (5) Older adult sample – check quota.
- 65 years and over (6) Older adult sample – check quota.
- (DO NOT READ) Don't know (99) Ineligible. Thanks and close.
- (DO NOT READ) Refused (97) Ineligible. Thanks and close.

**Q.2** RECORD GENDER – DO NOT ASK

- Male (1) Check quota.
- Female (2) Check quota.

## Section 2: Questions to determine day prioritisation

**Q.3** Thinking about last weekend, what day or days did you spend 15 minutes or more outdoors between 10am and 4pm? By outdoors we mean not in a building and not in a covered vehicle.

[IF INTERMITTENTLY OUTDOORS, ASK: Would you say you were outdoors for longer than 15 minutes in total?]

- Saturday only (1) Go to Q4
- Sunday only (2) Go to Q4
- Both days (3) Go to Q4
- Neither day (4) Go to Q6

**Q.4** Did you get sunburnt? By sunburnt we mean any amount of reddening of the skin after being in the sun.

[IF NECESSARY: Red includes shades of pink as well.]

- Yes (1) Go to Q5
- No (2) Go to Q6
- Don't know (99) Go to Q6

**Q.5** On which day did you get sunburnt?

[DO NOT READ OUT.]

- Saturday (1) Go to Q6
- Sunday (2) Go to Q6
- Both days (3) Go to Q6
- Don't know (99) Go to Q6

## Note to the Scriptor on DAY PRIORITISATION

Check that the day(s) sunburnt agrees with day(s) outdoors.

If fine weather criteria met for only 1 day:

- Select that day, regardless if they were outdoors or not.

If fine weather criteria met for both days:

Check if got sunburnt over the last weekend.

- If sunburnt on both days, randomly select one day
- If sunburnt on only one day, select that day
- If not sunburnt on either day, check if the respondent was outdoors for at least 15 minutes from 10am-4pm on either day
  - If outdoors on both days, randomly select one day
  - If outdoors on only one day, select that day
  - If not outdoors on either day, randomly select one day

**Q.6** Can you please tell me the name of the city, town or rural area you were in on [DAY PRORITISATION]? [IF IN MORE THAN ONE CITY/TOWN, SPECIFY THE PLACE WHERE THEY WERE OUTDOORS THE MOST. IF THEY WERE NOT OUTDOORS, THEN SPECIFY THE PLACE WHERE THEY SPENT THE MOST TIME IN.]

- Auckland (1)
- Blenheim (2)
- Christchurch (3)
- Dunedin (4)
- Gisborne (5)
- Hamilton (6)
- Hastings (7)
- Invercargill (8)
- Kaitaia - near town (26)
- Kaitaia - near airport (27)
- Lower Hutt (9)
- Manukau (10)
- Napier (11)
- Nelson (12)
- New Plymouth (13)
- North Shore (14)
- Palmerston North (15)
- Porirua (16)
- Rotorua (17)
- Taupo (18)
- Tauranga (19)
- Timaru (20)
- Upper Hutt (21)
- Waitakere (22)
- Wanganui (23)
- Wellington (24)
- Whangarei (25)
- Other (Please specify) \_\_\_\_\_ (98)

**Q.7** Can you tell me the name of the suburb that you were in?

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### Section 3: Sunburnt and sun protection behaviours

**Note to the Scripiter: Match response to Q3 with DAY PRIORITISATION**

**START AT Q8 IF: NOT OUTDOORS FOR MORE THAN 15 MINUTES ON DAY PRIORITISATION**  
**START AT Q9 IF: OUTDOORS FOR MORE THAN 15 MINUTES and SUNBURNT ON DAY PRIORITISATION**  
**START AT Q11a IF: OUTDOORS FOR MORE THAN 15 MINUTES and NOT SUNBURNT ON DAY PRIORITISATION**

#### **NOT OUTDOORS FOR MORE THAN 15 MINUTES ON DAY PRIORITISATION**

**Q.8** Were the weather conditions on [DAY PRORITISATION] such that you could expect to get sunburnt if you went outside without protecting your skin?

- Yes (1) Go to Q27a
- No (2) Go to Q27a
- Don't know (99) Go to Q27a

#### **ASK IF OUTDOORS FOR MORE THAN 15 MINUTES ON DAY PRIORITISATION**

[IF SUNBURNT (Q4=1), CONTINUE TO Q.9]

[IF NOT SUNBURNT (Q4=2 or 99), GO TO Q.11a]

**Q.9** Which of the following part or parts of your body got sunburnt on [DAY]?  
READ OUT EACH BODY PART

Body part	Yes	No
Q.8a Nose	01	02
Q.8b Face	01	02
Q.8c Scalp	01	02
Q.8d Ears	01	02
Q.8e Neck	01	02
Q.8f Chest	01	02
Q.8g Stomach	01	02
Q.8h Back	01	02
Q.8i Shoulders	01	02
Q.8j Arms - [IF YES] Above or below the elbows?	01	02
Q.8k Above elbows	01	02
Q.8l Below elbows	01	02

Q.8m Hands	01	02
Q.8n Legs [IF YES] Above or below the knees?	01	02
Q.8o Above knees	01	02
Q.8p Below knees	01	02
Q.8q Feet	01	02
DO NOT READ OUT: Don't know	99	

**Q.10** Other than the fact that you were outdoors and exposed to the sun, what was the other main reason you got sunburnt?

DO NOT READ

- Trying to get a sun tan (1)
- Forgot to protect (2)
- Didn't think needed to protect (3)
- Could not be bothered protecting (4)
- Missed area when applying sunscreen (5)
- Sunscreen wore off (6)
- Burnt through sunscreen (7)
- Burnt through clothing (8)
- Stayed in sun too long (9)
- Didn't wear clothing/didn't use sunscreen or other sun protection (10)
- Sunny day/hot temperature (11)
- Other (specify) (98)
- Don't know (99)

### ACTIVITIES ON SELECTED DAY

Now I'm going to ask you specifically about [DAY].

**Q.11a** What activity did you spend the most time doing outdoors on [DAY]?

(DO NOT READ OUT).

(IF MORE THAN ONE MENTIONED, ASK:

During which activity did you spend the most time in the sun?

WATER ACTIVITIES:

- At the beach (1) GO TO Q12
- Swimming (13) GO TO Q12
- Boating/sailing/windsurfing/surfing/fishing (14) GO TO Q12

SPORT/EXERCISE:

- Walking/running/tramping (5) GO TO Q11b
- Watching sport (6) GO TO Q11b
- Playing sport (17) GO TO Q11b
- Cycling/biking (16) GO TO Q11b



**JOBS AT HOME:**

- Gardening (2) GO TO Q11b
- Doing general jobs around the house (10) GO TO Q11b

**WORK:**

- Working (ie. paid employment) (12) GO TO Q11b
- Volunteer work (ie. unpaid) (21) GO TO Q11b
- Farming/fencing (15) GO TO Q11b

**OTHER RECREATION**

- Sitting/reading (18) GO TO Q11b
- At shops/market/cafe/playground/other public places (19) GO TO Q11b
- Socialising/BBQ/party at own home/other person's home (20) GO TO Q11b
- Playing with/watching kids, pets, other family/friends (21) GO TO Q11b
- Concert, festival, show, other event (22) GO TO Q11b
- Other (Please specify) \_\_\_\_\_ (98) GO TO Q11b
- Don't know (99) GO TO Q12

**Q.11b** Was that activity based in, or next to, the water?

[IF NECESSARY, BY THAT WE MEAN ACTIVITIES THAT ARE AT OR NEXT TO A RIVER, LAKE, SEA, OR A SWIMMING POOL]

- Yes (1)
- No (2)
- Don't know (99)

**Q.12** About how much time in total did you spend outdoors on [DAY] while you were [MAIN ACTIVITY FROM Q.11a]?

(DO NOT READ OUT. CODE RESPONSES TO NEAREST 15 MINS. NOTE THIS IS ANY TIME DURING THE DAY.)

- 15 minutes (1)
- 30 minutes (2)
- 45 minutes (3)
- 1 hour (4)
- 1 hr 15 min (5)
- 1 hr 30 min (6)
- 1 hr 45 min (7)
- 2 hours (8)
- 2 hr 15 min (9)
- 2 hr 30 min (10)
- 2 hr 45 min (11)
- 3 hours (12)
- 3 hr 15 min (13)
- 3 hr 30 min (14)
- 3 hr 45 min (15)
- 4 hours (16)
- 4 hr 15 min (17)

- 4 hr 30 min (18)
- 4 hr 45 min (19)
- 5 hours (20)
- More than 5 hours (21)
- Other (Please specify) (98)
- Don't know (99)

**Q.13** About what time did you start [MAIN ACTIVITY FROM Q.11a]?  
(RECORD TIME IN HOURS AND MINUTES, TO THE NEAREST 15 MINS, EG. 11.15AM.)

- a. Record hour (range = 1-12, 99=Don't know)
- b. Record minutes (range = 0-59, 99=Don't know)
- c. AM (1)
- PM (2)
- Don't know (99)

**Q.14** About what time did you finish [MAIN ACTIVITY FROM Q.11a]?  
(RECORD TIME IN HOURS AND MINUTES, TO THE NEAREST 15 MINS, EG. 3.30PM)

- a. Record hour (range = 1-12, 99=Don't know)
- b. Record minutes (range = 0-59, 99=Don't know)
- c. AM (1)
- PM (2)
- Don't know (99)

(TIME FINISHED MINUS TIME STARTED MAY NOT EQUAL TOTAL TIME IN Q.11 IF THE ACTIVITY WAS BROKEN UP BY TIME SPENT INDOORS)

**Q.15** On [DAY PRORITISATION], which of these statements applies to you?  
READ OUT

- I spent about the same amount of time outside as I had intended to (1)
- I spent less time outside than I had intended to (2)
- I spent more time outside than I had intended to (3)
- Or, I had not intended any particular time (4)
- (DO NOT READ) Don't know (99)

**Q.16a** Thinking about while you were [MAIN ACTIVITY FROM Q.10a] on [DAY], did you stay out of the sun, or stay in the shade, at any time?

- Yes (1) – GO TO Q16b
- No (2) – GO TO Q17a
- Don't know (99) – GO TO Q17a

**Q.16b** Did you make a choice to use shade, or did it just happen?

[DO NOT READ OUT]

- Made a choice to use shade (1) – GO TO Q18
- It just happened (2) – GO TO Q18
- Don't know (99) – GO TO Q18

**Q.17a** Was shade available while you were [MAIN ACTIVITY FROM Q.10a] on [DAY]?

- Yes (1) – GO TO Q18
- No (2) – GO TO Q18
- Don't know (99) – GO TO Q18

**Q.18** Thinking about [DAY PRORITISATION], we would like to ask some questions to find out how much of your skin was exposed to direct sunlight. While you were [MAIN ACTIVITY FROM Q.11a], were you wearing something on your head most of the time? This includes things like a hat, cap, visor, or helmet.

[IF NECESSARY: THIS INCLUDES A SCARF, HELMET, HARD HAT, OR ANYTHING THAT COVERS ANY PART OF THE HEAD.]

- Yes (1) GO TO Q19
- No (2) GO TO Q20
- Don't know (99) GO TO Q20

**Q.19** Thinking about this head covering that you wore, which of the following parts were covered or shaded while you were [MAIN ACTIVITY FROM Q.11a]?

[READ OUT EACH BODY PART. IF PARTIALLY COVERED, SELECT 'YES' IF MORE OF THE BODY PART WAS COVERED THAN UNCOVERED.]

Body part	Yes	No
Q.19a Face	1	2
Q.19b Nose	1	2
Q.19c Scalp	1	2
Q.19d Ears	1	2
Q.19e Neck	1	2
Q.19f Shoulders	1	2
Q.19g (DO NOT READ) None/nothing covered	1	2
Q.19g (DO NOT READ) Don't know	1	2

**Q.20a** Which of the following parts of your body were covered or shaded by **clothing** most of the time, while you were [MAIN ACTIVITY FROM Q.11a]? Clothing includes towels, neck scarves and covered shoes, but not hats.

[READ OUT EACH BODY PART. 'SCARVES' HERE REFERS TO NECK SCARVES AND DOES NOT INCLUDE SCARVES WORN ON THE HEAD AS IN THE PREVIOUS QUESTION. ANY CLOTHING THAT COVERED THE HEAD THAT IS NOT A HEAD COVERING GOES IN 'OTHER'.]

Body part	Yes	No
Q.20a Neck	1	2
Q.20b Chest	1	2
Q.20c Stomach	1	2
Q.20d Back	1	2
Q.20e Shoulders	1	2
Q.20f Arms - [IF YES] Above or below the elbows?	1	2
Q.20g Above elbows	1	2
Q.20h Below elbows	1	2
Q.20i Hands	1	2
Q.20j Legs [IF YES] Above or below the knees?	1	2
Q.20k Above knees	1	2
Q.20l Below knees	1	2
Q.20m Feet	1	2
Q.20o (DO NOT READ) None/nothing covered	1	2
Q.20p (DO NOT READ) Don't know	1	2

**Q21a** While you were [MAIN ACTIVITY FROM Q.11a] on [DAY], did you wear sunscreen?

- Yes (1) GO TO Q21b
- No (2) GO TO Q23
- Don't know (99) GO TO Q23

**Q.21b** Which of the following parts of your body were covered with **sunscreen** most of the time, while you were [MAIN ACTIVITY FROM Q.11a]?

READ OUT EACH BODY PART

Body part	Yes	No
Q.21a Face	1	2
Q.21b Nose	1	2
Q.21c Scalp	1	2
Q.21d Ears	1	2
Q.21e Neck	1	2
Q.21f Chest	1	2
Q.21g Stomach	1	2
Q.21h Back	1	2
Q.21i Shoulders	1	2
Q.21j Arms - [IF YES] Above or below the elbows?	1	2
Q.21k Above elbows	1	2
Q.21l Below elbows	1	2
Q.21m Hands	1	2
Q.21n Legs [IF YES] Above or below the knees?	1	2
Q.21o Above knees	1	2
Q.21p Below knees	1	2
Q.21q Feet	1	2
Q.21s None/nothing covered	1	2
Q.21t Don't know	1	2

IF ANY 'Yes' response to Q21a-r, GO TO Q.22

Otherwise (ie, None/nothing covered, or don't know), GO TO Q23

**Q.22** How many times did you apply sunscreen during the day?  
[DO NOT READ OUT.]

- Once (1)
- Twice (2)
- Three times (3)
- Four times (4)
- More than four times (5)
- Don't know (99)

**Q.23** Were you wearing sunglasses most of the time while you were [MAIN ACTIVITY FROM Q.11a] on [DAY PRIORITISATION]?  
[NOTE: INCLUDES TINTED PRESCRIPTION GLASSES.]

- Yes (1)
- No (2)
- Don't know (99)

**Q.24** Thinking about the time that you spent outside on [DAY PRIORITISATION], did you have all of the things you needed at hand to protect your skin from the sun?

- Yes (1)
- No (2)
- Don't know (99)

**Q.25** Were the weather conditions on [DAY] such that you could expect to get sunburnt if you went outside without protecting your skin?

- Yes (1)
- No (2)
- Don't know (99)

## SECTION 4: TANNING

**Q.26** Thinking about the weekend just passed, did you try to get a **sun** tan?  
(DO NOT INCLUDE SUNBEDS AND FAKE TAN)

- Yes (1)
- No (2)
- Don't know (99)

Intro: Please answer yes or no for each of the following questions about tanning for the rest of this summer.

**Q.27a** Are you likely to use a sunbed to get a tan?

- Yes (1)
- No (2)
- Don't know (99)

**Q.27b** Are you likely to sunbathe to get a tan?

- Yes (1)
- No (2)
- Don't know (99)

**Q.27c** Are you going to avoid getting a sun tan?

- Yes (1)
- No (2)
- Don't know (99)

## SECTION 5: ATTITUDES AND RISK PERCEPTION

Intro: Now I'm going to read out some statements and I'd like to know how much you agree or disagree with each one. Please respond strongly agree, somewhat agree, neither agree nor disagree, somewhat disagree or strongly disagree.

[REPEAT THE RESPONSE OPTIONS UNTIL THE RESPONDENT SHOWS UNDERSTANDING OF THE SCALE]

**Q.28a** I feel more healthy with a suntan.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28b** Most of my friends think a suntan is a good thing.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28c** A suntan makes me feel better about myself.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28d** Protecting my skin from the sun can result in not getting enough Vitamin D.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28g** Tanning is part of the kiwi summer.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28j** I feel confident that I can protect myself from getting skin cancer.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28k** Melanoma can be easily treated by a GP.

[IF NECESSARY: 'GP' REFERS TO GENERAL PRACTITIONER, OR FAMILY DOCTOR]

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.28l** Even if treated, melanoma can lead to the loss of life.

- Strongly disagree (1)
- Somewhat disagree (2)
- Neither agree nor disagree (3)
- Somewhat agree (4)
- Strongly agree (5)
- (DO NOT READ) Don't know (99)

**Q.29** Thinking about yourself, what do you think your chances are of getting skin cancer in the future?

- Very high (1)
- High (2)
- Medium (3)
- Low (4)
- Very low (5)
- Or you have already had it (6)
- (DO NOT READ) Don't know (99)

## **SECTION 6: SUN PROTECTION ALERT AND UV INDEX**

**Q.31a** Do you typically look at the weather forecast ahead of outdoor activities?

- Yes (1)
- No (2) GO TO Q33
- Unsure (99) GO TO Q33



**Q.31b** What, if any, specific information do you use from the weather forecast to prompt you about using sun protection?

DO NOT READ.

PROBE FOR WHICH ASPECTS OF A FORECAST

SELECT ALL THAT APPLY

[SELECT SUN PROTECTION ALERT IF DESCRIBED BUT NOT SPECIFICALLY NAMED – EG ORANGE BOX THAT HAS THE TIMES OF DAY WHEN YOU NEED PROTECTION]

[SELECT UV INDEX IF DESCRIBED BUT NOT SPECIFICALLY NAMED – EG THE NUMBER THAT TELLS YOU HOW STRONG THE SUN IS]

- Temperature (1) GO TO Q.33
- Cloud cover (2) GO TO Q.33
- Rain (3) GO TO Q.33
- Sun Protection Alert (4) [IF SELECTED, GO TO Q32a]
- UV Index (5) [IF SELECTED, GO TO Q32b]
- Wind (6) GO TO Q.33
- Other (7) GO TO Q.33
- None (8) GO TO Q.33
- Unsure (99) GO TO Q.33

**ASK if 31b = 4**

**Q. 32a** You mentioned having used the Sun Protection Alert. Where did you see or hear this information?

DO NOT READ. MULTIPLE RESPONSES ALLOWED.

- Newspaper (1)
- Radio (2)
- TV (3)
- MetService website (4)
- MetService app (8)
- Third party website (5)
- In the community (6)
- NIWA website (9)
- Other (7)
- Don't know/don't remember (99)

**ASK if 31b = 5**

**Q. 32b** You mentioned having used the UV Index. Where did you see or hear this information?

DO NOT READ. MULTIPLE RESPONSES ALLOWED.

- Newspaper (1)
- Radio (2)
- TV (3)
- MetService website (4)
- MetService app (8)
- Third party website (5)
- In the community (6)
- NIWA website (9)
- Other (7)
- Don't know/don't remember (99)

**Q.33** This summer, have you seen or heard a feature in a weather forecast with information on the times of day when you need sun protection?

DO NOT READ

- Yes (1)
- No (2) GO TO Q35
- Unsure (99) GO TO Q35

**Q.34** What did you do, if anything, as a result of seeing or hearing this information?

DO NOT READ. MULTIPLE RESPONSES ALLOWED.

- Arranged schedule to be outdoors when sun is less strong (1)
- Brought or used protective hat/clothing/sunglasses (2)
- Brought or used sunscreen (3)
- Spent time in the shade (4)
- Stayed indoors all/part of the day (5)
- Other (please specify) \_\_\_\_\_ (6)
- Did nothing (7)
- Don't know (99)

## SECTION 7: SKIN TYPE AND LIFETIME SUNBURN

Now I'd like to ask some questions about your skin type.

**Q.35** We are interested in skin colour so we can understand how likely people are to burn. How would you describe your natural, untanned skin colour at the end of winter?

READ OUT

- Very fair (1)
- Fair (2)
- Medium (3)
- Olive (4)
- Dark (5)
- Very dark or black (6)
- Other (please specify) \_\_\_\_\_ (98)
- (DO NOT READ) Don't know (99)
- (DO NOT READ) Refused (97)

**Q.36** Suppose your untanned skin was exposed to strong sunshine at the beginning of summer using no sun protection at all. If you stayed in the sun for 30 minutes, would your untanned skin...?

READ OUT

- Just burn and not tan afterwards (1)

- Burn first, then tan afterwards (2)
- Not burn at all, just tan (3)
- (DO NOT READ) Nothing would happen (4)
- (DO NOT READ) Don't know (99)

**Q.37** Apart from the weekend just finished, have you ever been sunburnt so badly you got blisters or were in pain for two or more days?

DO NOT READ.

- Yes (1)
- No (2)
- Don't know (99)

**Q.38** Do you have any family history of skin cancer?

DO NOT READ.

- Yes (1)
- No (2)
- Don't know (99)

## SECTION 8: DEMOGRAPHICS

**Q.39** Can you tell me which ethnic group, or groups, you belong to?  
(DO NOT READ OUT. MULTIPLE RESPONSES ALLOWED)

- Māori (1)
- New Zealand European (2)
- Samoan (4)
- Cook Island Māori (5)
- Tongan (6)
- Niuean (7)
- Chinese (8)
- Indian (9)
- Other (Please specify, includes European, Kiwi) (98)
- Don't know (99)
- Refused (97)

**Q.40a** Which year were you born in?

- RECORD YEAR (4 digit) GO TO Q41
- Refused (9997) GO TO Q40b

**Q.40b** In that case, can you please say stop when I read out the age group you come into?  
(READ OUT ALL AGE GROUPS BELOW)

- 13-17 years (1)

- 18-19 years (2)
- 20-24 years (3)
- 25-29 years (4)
- 30-34 years (5)
- 35-39 years (6)
- 40-44 years (7)
- 45-49 years (8)
- 50-54 years (9)
- 55-64 years (10)
- 65 years or ever (11)
- Don't know (99)
- Refused (97)

**Q.41a** Including yourself, what is the total number of people in your household?

*[Open number field]*

**Q.41b** Including yourself, how many people are there within each of the following age groups?

(READ OUT ALL AND RECORD NUMBER FOR EACH AGE GROUP. AGE GROUPS REPRESENT COMPLETED BIRTHDAYS, E.G. SOMEONE 17 ½ IS CONSIDERED TO BE 17.)

Age group	Number
Under 13 years	
13 - 17 years	
18 - 24 years	
25 - 54 years	
55 years and over	

[LOGIC CHECK TO ENSURE THAT THE TOTAL IS EQUAL TO THE NUMBER IN Q.39a.]

**Q.42** Do you live in [AREA AND SUBURB FROM Q. 5-6]?

DO NOT READ.

- Yes (1) GO Q43a
- No (2) GO TO Q43b
- Don't know (99) GO TO Q43b

**Q.42a** Is that mainly a ...?

READ OUT

- City (1) GO TO Q45
- Town (2) GO TO Q45
- Rural area (3) GO TO Q45

**Q.43b** Do you live in a ...?

(READ OUT ALL)

- City (1) GO TO Q44a
- Town (2) GO TO Q45
- Rural area (3) GO TO Q45

**Q.44a** Which city is that?

- Auckland .....01
- Christchurch .....02
- Dunedin .....03
- Gisborne .....04
- Hamilton .....05
- Hastings .....06
- Invercargill .....07
- Lower Hutt .....08
- Manukau .....09
- Napier .....10
- Nelson .....11
- New Plymouth .....12
- North Shore .....13
- Palmerston North .....14
- Porirua .....15
- Rotorua .....16
- Tauranga .....17
- Upper Hutt .....18
- Waitakere .....19
- Wanganui .....20
- Wellington .....21
- Whangarei .....22
- Other (Please specify) \_\_\_\_\_

Q.42b "Would that be...?"  
(READ OUT ALL. CIRCLE ONE)

- "Auckland City" ..... 01
- "North Shore" ..... 13
- "Waitakere" ..... 19
- "or, Manukau" ..... 09
- Other (Specify) \_\_\_\_\_

GO TO Q.46

GO TO Q.46

Q.42c "Would that be...?"  
(READ OUT ALL. CIRCLE ONE)

- "Wellington City" ..... 21
- "Porirua" ..... 15
- "Lower Hutt" ..... 08
- "or, Upper Hutt" ..... 18
- Other (Specify) \_\_\_\_\_

GO TO Q.46

GO TO Q.46

**Q.45** What is the name of the town or rural area?

\_\_\_\_\_

ASK if age = 18 or over years

**Q.46** What is your highest qualification?

DO NOT READ

- No formal school qualification (1)
- School Certificate/NCEA Level 1 (2)
- Sixth Form Certificate/UE before 1986/NCEA Level 2 (3)
- NZ Higher School Certificate or Higher Leaving Certificate (4)
- University Entrance/Bursary/NCEA Level 3 (5)
- Undergraduate Diploma (6)
- Trade Certificate (eg. builder) (7)
- Degree/Postgraduate degree/Postgraduate diploma (8)
- Other (Please specify) \_\_\_\_\_ (98)
- Don't know (99)

ASK if age = 18 or over years

**Q.47** About what percent of your work week do you spend working outdoors?

[DO NOT READ OUT. PROBE FOR A PERCENTAGE AND SELECT THE APPROPRIATE RANGE.]

[IF NEEDED: FOR EXAMPLE, SOME PEOPLE WORK IN AN OFFICE ALL DAY, SO THEY MIGHT WORK OUTDOORS 0% OR 5%. A FARMER MIGHT WORK THE MAJORITY OF HIS TIME OUTDOORS, SO HE MIGHT RESPOND 85%.]

- 0% (1)
- 1%-14% (2)
- 15%-29% (3)
- 30%-44% (4)
- 45%-59% (5)
- 60%-74% (6)
- 75%-89% (7)
- 90% or more (8)
- Do not work (96)
- Don't know (99)

ASK if age = 18 or over years

**Q.48** Can you tell me the total income your household got from all sources, before tax or anything was taken out of it, in the last 12 months? Please say "stop" when I read out the group that your household income falls into

(READ OUT. IF NEEDED: This is just for statistical purposes.)

- \$40,000 or less (1)
- \$40,001 to \$70,000 (2)
- \$70,001 to \$100,000 (3)
- \$100,001 or more (4)
- Don't know (99)
- Refuse (97)

# Appendix

## Day Selection logic

IF (Saturday=1)&(Sunday#1) then Saturday  
If (Saturday#1)&(Sunday=1) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=1)&(q5=1) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=1)&(q5=2) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=1) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=3) then (Saturday)OR(Sunday)  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=2) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=1)&(q5=99) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=1)&(q5=99) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=99) then (Saturday)OR(Sunday)  
IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=2 OR 99) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=2 OR 99) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=2 OR 99) then (Saturday)OR(Sunday)  
IF (Saturday=1)&(Sunday=1)&(Q3=4) then (Saturday)OR(Sunday)

## Logic for asking Q8, then skipping to Q27

IF (Saturday=1)&(Sunday#1)&(q3=2 OR 4) then Saturday  
If (Saturday#1)&(Sunday=1)&(q3=1 OR 4) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=4) then (Saturday)OR(Sunday)

## Logic for asking Q9

IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=1)&(q5=1) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=1)&(q5=2) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=1) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=3) then (Saturday)OR(Sunday)  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=2) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=1)&(q5=99) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=1)&(q5=99) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=1)&(q5=99) then (Saturday)OR(Sunday)

## Logic for asking Q11a

### Logic for q9

IF (Saturday=1)&(Sunday=1)&(Q3=1)&(Q4=2 OR 99) then Saturday  
IF (Saturday=1)&(Sunday=1)&(Q3=2)&(Q4=2 OR 99) then Sunday  
IF (Saturday=1)&(Sunday=1)&(Q3=3)&(Q4=2 OR 99) then (Saturday)OR(Sunday)