



Surveys Used for the California Regional Exposure Study, Region 3

The <u>California Regional Exposure (CARE) Study</u> measured and compared environmental chemicals in people from selected regions across the state. In early 2020, 90 residents of San Diego and Orange counties participated in the third phase of the study, <u>CARE-3</u>. Due to the COVID-19 emergency, field work was stopped in March 2020. Study participants donated blood and urine samples and completed surveys to identify potential sources of exposure to chemicals.

This packet includes the three surveys used for CARE-3:

1. Interest Form

This survey collected eligibility and demographic information from people who were interested in participating in the study.

2. Exposure Survey 1

This survey addressed long-term exposures and general frequency of exposures. Additional demographic information and reproductive history were also collected in this survey. It could be completed by the participant any time before sample collection.

3. Exposure Survey 2

This survey addressed recent, short-term exposures, and was completed at sample collection.

CALIFORNIA REGIONAL EXPOSURE STUDY Interest Form



Thank you for your interest in the California Regional Exposure (CARE) Study!

The purpose of the CARE Study is to measure some of the potentially harmful chemicals in people's bodies and learn how people come into contact with them. If you are interested in joining our study, please fill out this 2-minute form. We will select 350 people in early 2020 to give blood and urine samples and to answer two short surveys. Participants will receive a \$50 gift card and can choose to receive their individual test results.

To qualify for selection, you must:

- be 18 or older,
- · have lived in San Diego County or Orange County for at least the last 12 months, and
- be able to give blood and urine samples. We cannot offer participation to people with blood-clotting disorders, including hemophilia, or a recent blood transfusion (within 6 months).

If you need assistance with this form, or to complete it in another language, please call (510) 367-4166.

1.	What year were you born in?
2.	For at least the last 12 months, have you lived in San Diego County or Orange County?
	□ No
3.	Are you able and willing to give a urine sample and have your blood drawn (about 4 teaspoons)?
	□ Yes
	□ No
4.	What is your name?
	First name
	Last name
	Suffix (optional, please circle): Sr. Jr. III IV Ph.D. M.D.



5.	What is your home address?	
	Street address	Apt. no
	City/town	
	StateZip code	
6.	What is your mailing address?	
	$\hfill\square$ Check here if your mailing address is the same as your home address.	
	Street address	Apt. no
	City/town	
	StateZip code	
7.	If you are selected, what language do you prefer to use for this study?	
	☐ English	
	☐ Spanish	
	☐ Other (please specify):	
8.	If selected for the CARE study, you will need to complete a survey and so appointment. How would you prefer to complete the above steps?	hedule an
	☐ Complete both steps online	
	☐ Send survey by mail and schedule appointment by phone	
9.	Please provide your contact information.	
	Preferred phone number ()(Phone numbers must be 10 digits long, starting with your area code.)	
	$\hfill \Box$ Check here to allow text messages to your preferred phone number. Teapply.	xt message charges ma
	Alternative phone number ()	
	Email address	
	Confirm email address	



Your answers to these questions will help us select people to reflect the diversity of the San Diego County and Orange County. We will not share this information with anyone outside of the study.

10. How do you describe your ethnicity or race? Select one or more.
□ White
☐ Hispanic or Latino
☐ Black or African American
☐ American Indian/Alaska Native
☐ Asian
☐ Native Hawaiian or Pacific Islander
☐ Don't know
☐ Prefer not to answer
☐ Other race or ethnicity (please specify):
11. Do you have a high school diploma or GED?
□ Yes ————
□ No Go on to Question 12
☐ Don't know Skip to Question 13
☐ Prefer not to answer
12. What is the highest level of education you have completed? Select one.
☐ High school diploma or GED
☐ Technical/Trade school
☐ Some college, no degree
☐ Associate's degree (e.g. AA, AS)
☐ Bachelor's degree (e.g. BA, BS, AB)
☐ Graduate or professional degree (e.g. PhD, MD, DDS, MFA, MBA)
□ Don't know
□ Prefer not to answer
□ Other (please specify):



13. What sex were you assigned at birth by your health care provider or on your original birth certificate?					
☐ Male					
☐ Female					
☐ Unknown					
☐ Prefer not to answer					
14. Which best describes your current gender identity?					
☐ Male					
☐ Female					
☐ Female-to-Male (FTM)/Transgender Male/Trans Man					
☐ Male-to-Female (MTF)/Transgender Female/Trans Woman					
☐ Genderqueer, neither exclusively male nor female					
☐ Something else (please specify):					
☐ Prefer not to answer					
15. Which of the following best represents how you think of yourself?					
☐ Gay or lesbian					
☐ Straight (that is not gay, lesbian, or bisexual)					
☐ Bisexual					
☐ Don't know					
☐ Prefer not to answer					
☐ Something else (please specify):					
16. How did you hear about this study?					
☐ Postcard through the mail					
☐ Craigslist					
□ News coverage					
☐ Community group or other local association					
☐ From a friend, family member, or colleague					
☐ Don't know					
☐ Prefer not to answer					
☐ Other (please specify):					

Thank you for your interest in the CARE Study! Please help us spread the word about this important work by telling your friends and family about us: www.cdph.ca.gov/CARE

We'll be selecting participants in early 2020, so look for our study packet in your e-mail or mail.



Exposure Survey

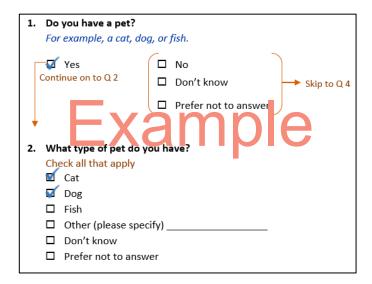
Thank you for joining the California Regional Exposure (CARE) Study!

This survey will help us understand how you come into contact with the chemicals in this study. This survey includes questions about you, your jobs and hobbies, your home, products you use, and the foods you eat.

Complete and return this document

Before You Begin

- All your answers will be kept confidential.
- This survey will take about 10-15 minutes.
- For each question, check the box next to the best answer(s). You may always select "Don't know" or "Prefer not to answer."
- Some questions offer examples. Example text is blue and slanted (italics).
- Some questions have additional instructions in orange text.
- Depending on your answers, you might skip some questions.
 These answers are marked with orange parentheses.



Section 1: Your Home

1.	How long have you lived in your current home?					
		Less than a year				
		1–5 years				
		6–10 years				
		Longer than 10 years				
		Don't know				
		Prefer not to answer				
2.	Wh	en was your home or apartment built?				
		1980 or later				
		Before approximately 1980				
		Don't know				
		Prefer not to answer				
3.		you have any rugs or carpets in your home that are stain-resistant or water-resistant? Yes				
		No				
		Don't know				
		Prefer not to answer				
4.		here wall-to-wall carpeting in any room of your home? Yes				
		No				
		Don't know				
		Prefer not to answer				

Section 1: Your Home

5.	o you have any furniture that is stain-resistant or water-resistant? (This refers only to fabric-covere Irniture, like couches and chairs.) 1 Yes	ed
	l No	
] Don't know	
	Prefer not to answer	
6.	as any of the following remodeling or renovation work been done inside or to the outside of your ome during the last 12 months? neck all that apply.	
	Carpeting – installed new	
	Carpeting – removed old	
	Paint removed – by scraping, sanding, or using a heat gun	
	New paint – inside and/or outside of home	
	Other (please specify):	
	No remodeling or renovation work	
] Don't know	
	Prefer not to answer	
7.	oes your home have any paint peeling from walls, windowsills, pipes, or other surfaces? Yes	
	l No	
] Don't know	
	Prefer not to answer	

8.	at kind of water do you drink most of the time? ck only one.
	Tap water
	Filtered tap water
	Store-bought water including bottled water or water coolers
	Other water source (please specify):
	Don't know
	Prefer not to answer
9.	nat is the main source of water in your home? ck only one.
	Public water system
	Private well
	Other water source (please specify):
	Don't know
	Prefer not to answer
10.	w would you describe what you typically eat? ck all that apply.
	I don't follow a special diet. I eat most types of food.
	Mostly vegetarian, but I also eat seafood
	Vegetarian
	Vegan
	Gluten-free
	Low fat
	Low carbohydrate
	Other (please specify):
	Don't know
	Prefer not to answer

11. As part of your diet <u>in a typical week</u>, how often do you eat each of the following meat, poultry, and fish?

Check one box in each row, A through E.

	Less than once per week or never	1–3 days per week	4–6 days per week	Every day	Don't Know	Prefer not to answer
A. Red meat for example, beef, pork, lamb						
B. Poultry for example, chicken, turkey						
C. Fish purchased at a grocery store, market or restaurant (includes items such as fish in sushi, tuna fish sandwiches, and canned fish)						
D. Fish caught by you, your family, or friends						
E. Shellfish (includes crab, lobster, shrimp, and shellfish in sushi)						

12. As part of your diet in a typical week, how often do you eat or drink each of the following foods or beverages?

Check one box in each row, A through H.

	Less than once per week or never	1–3 days per week	4–6 days per week	Every day	Don't Know	Prefer not to answer
A. Milk						
B. Butter						
C. Margarine						
D. Eggs						
E. Potatoes (any style)						
F. White rice						
G. Brown rice						
H. Other rice products for example, rice cereal, rice noodles, rice cakes, rice crackers, rice milk						

13. As part of your diet in a typical week, how often do you eat each of the following packaged foods? Check one box in each row, A through E.

	Less than once per week or never	1–3 days per week	4–6 days per week	Every day	Don't Know	Prefer not to answer
A. Microwave popcorn						
B. Potato chips						
C. Take-out, delivery, or fast food served in paper or a cardboard container for example, pizza, hamburgers, sandwiches, or baked goods						
D. French fries from a fast-food or take-out restaurant						
E. Store-bought food that you heat in its paper or cardboard package for example, pizza, frozen meals, garlic bread						

14. Have you worked in the past 12 months?

☐ Yes	No		
Continue on to Q 15 and Q 16	Don't know	-	Skip to Q 17 (page 10)
	Prefer not to answer		

15. In the past 12 months, have you worked in any of these specific industries?

Check one box in each row, A through L.

Industries:	Yes	No	Don't know	Prefer not to answer
A. Firefighting				
B. Armed forces				
C. Police				
D. Demolition				
E. Construction				
F. Metal smelting or refining or metal work				
G. Metals recycling				
H. Battery replacement or recycling				
I. Electronics repair or recycling				
J. Glass production				
K. Ceramics production				
L. Leather processing				

16. In the past 12 months, have you performed any of these activities as part of your job?

Check one box in each row, A through K.

Your answer should include activities on the job only. The next section asks about free time.

	Yes	No	Don't know	Prefer not to answer
A. Upholstered furniture				
B. Installed carpet				
C. Removed paint by scraping, sanding, or using a heat gun				
D. Dental work involving silver fillings preparation				
E. Work involving soil (farming, digging, etc.)				
F. Applied fingernail polish in a nail salon				
G. Used dyes, art paint, or glazes				
H. Used solder for example, for joining pipes or in electronics				
I. Practiced or worked at a shooting range				
J. Cleaned carpets with foams or liquids				
K. Used grease or other non-water-based lubricants on vehicles, bicycles, or other machinery				

17.	Are you <u>currently</u> employed or se	elf-employed? (Include both part or full-tim	e employment.)
	─□ Yes Continue on to Q 18	☐ No ☐ Don't know ☐ Prefer not to answer	0 (next page)
18.		\underline{y} do? If you have multiple jobs, begin with	the job where you spend
	the most time.		
	For example, registered nurse, jar	itor, cashier, auto mechanic.	
	Additional current job, if any:		-
	Additional current job, if any: ☐ Don't know		-
	☐ Prefer not to answer		
19.	What kind of businesses or indus	tries do you <u>currently</u> work in?	
	Main current business or industry	:	_
	For example, health care, education	on, retail, grocery store.	
	Additional current business or inc	lustry, if any:	_
	Additional current business or inc	lustry, if any:	_
	☐ Prefer not to answer		
	- Trefer flot to dilswer		

20.	Thinking of all the jobs you have ever had, what kind of job did you do for the longest?
	Kind of job: For example, registered nurse, janitor, cashier, auto mechanic
	☐ Never worked
	☐ Don't know Skip to Q 22 (next page)
	☐ Prefer not to answer
21.	In what kind of business or industry was the job you did for the longest? (The job you listed in the previous question.)
	Kind of business or industry: For example, health care, education, retail, grocery store.
	□ Don't know
	☐ Prefer not to answer

Section 4: Hobbies

22. In the past 12 months, have you done any of the activities below <u>in your free time</u> (outside of your job)?

Check one box in each row, A through F.

	Yes	No	Don't know	Prefer not to answer
A. Ceramics or pottery				
B. Metal soldering or welding, for arts and crafts or other hobbies				
C. Artwork using paints, glazes, finger paints, or crayons				
D. Jewelry making				
E. Visited a shooting range				
F. Used grease or other non-water-based lubricants on vehicles, bicycles, or other machinery				

Section 5: Consumer Products and Other Topics

23. In the past 12 months, how often have you used the following products?

Check one box in each row, A through D.

	Less than once per year or never	1–4 times	5–11 times per year	12 or more times per year	Don't know	Prefer not
A. Paints or dyes for art work (does not include house paint)						
B. Any product used for stain- or water-proofing personal or household items such as furniture, rugs, clothing, or shoes						
C. Carpet cleaning foams or liquids						
D. Ski or snowboard wax						
☐ Yes☐ No☐ Don't know☐ Prefer not to answer						
25. How often do you wear sta jackets, or pants)?☐ Never	in-resistant,	water-resista	ant, or water	-proof clothir	ng (including	uniforms,
☐ Less than once per mor	nth					
☐ 1 to 3 times per month						
☐ 1 to 4 times per week						
☐ 5 or more times per we	:ek					
☐ Don't know						
☐ Prefer not to answer						

Section 6: Smoking

26. Have you smoked at least 100 cigarettes (about 5 packs) over your lifetime?

☐ Yes
Continue on to Q 27
☐ Don't know
☐ Prefer not to answer
☐ Skip to Q 29 (next page)

27. Do you <u>currently</u> smoke cigarettes? Do not include e-cigarettes in your answer.

☐ Yes, everyday
Continue on to Q 28
☐ No
☐ Don't know
☐ Prefer not to answer
☐ Yes, some days
☐ No
☐ Don't know

28. How many cigarettes do you currently smoke each day?

__ _ _ Cigarettes

Don't know

☐ Prefer not to answer

Section 6: Smoking

29.	Ele	you use electronic cigarettes (e-cigarettes) or vaping devices containing <u>nicotine</u> ? ctronic cigarettes (e-cigarettes) and other electronic "vaping" products include electronic hookahs hookahs), vape pens, e-cigars, and others.
		Yes
		No
		Don't know
		Prefer not to answer
30.	sm	you use tobacco products other than cigarettes, such as pipes, cigars, cigarillos, bidis, hookahs, or okeless tobacco products? Yes
		No
		Don't know
		Prefer not to answer
31.	day	
		Yes
		No .
		Don't know
		Prefer not to answer

Section 7: Recent Events

32.	you experience any of the following related to wildfires in your area in the last 6 months? ck all that apply
	Performed emergency response duties in the field such as fire suppression, creating fire breaks, or evacuating residents
	Performed debris or ash clean-up on the job
	Performed debris or ash clean-up for your own home or as a volunteer
	During the fires, lived in an area impacted by smoke
	After the fires, lived in an area with fire damage
	None of the above
	Other (please specify):
	Don't know
	Prefer not to answer

Section 8: Reproductive History

33. Have you ever been pregnant? If you are male, answer "No, or not applicable" ☐ No, or not applicable -□ Yes Continue on to Q 34 ☐ Don't know Skip to Q 38 (next page) ☐ Prefer not to answer 34. Are you currently pregnant? ☐ Yes □ No ☐ Don't know ☐ Prefer not to answer 35. How many pregnancies have you carried to term? □ No Pregnancies Continue on to Q 36 □ Don't know Skip to Q 38 (next page) □ Prefer not to answer 36. Have you ever breastfed? -□ Yes □ No Continue on to Q 37 ☐ Don't know Skip to Q 38 (next page) ☐ Prefer not to answer 37. How many total months did you breastfeed your child (or children)? For example, if you have two children and you breastfed one child for 3 months and the second child for 2 months, then you breastfed for 5 months total. ___ Total months ☐ Don't know □ Prefer not to answer

Section 9: Background

Background information will only be used to help us understand how people come into contact with chemicals.

38.	Wh □	ere were you born? United States
		Mexico, Central America, South America, or Caribbean Islands
		Canada
		Africa
		Asia
		Australia or New Zealand
		Europe
		Middle East
		Pacific Islands
		Other (please specify):
		Don't know
		Prefer not to answer
39.		w many years have you lived in the United States? My whole life or more than 25 years
		16–25 years
		11–15 years
		6–10 years
		5 years or less
		Don't know
		Prefer not to answer
40.		at is the yearly income in your household? 0-\$25,000
		\$25,001-\$75,000
		\$75,001-\$150,000
		>\$150,000
		Don't know
		Prefer not to answer

Section 9: Background

Background information will only be used to help us understand how people come into contact with chemicals.

41. Ho	w many people live in your household, including yourself?
	People Don't know Prefer not to answer
	nat made you want to join the study? eck all that apply
	Concerned about a specific exposure to a specific chemical
	Concerned about contact with chemicals in general
	Gift card
	Wanted to take advantage of free testing
	Other (please specify):
	Don't know
	Prefer not to answer
like	is survey cannot ask about every way people could come into contact with chemicals. If you would e to share other possible sources of chemicals you are concerned about for you, your family, or mmunity, please tell us here.
	e would appreciate any feedback you might have about this survey or other parts of the CARE Idy. Please use the space provided below.

Thank you for completing the survey.

Please use the stamped envelope to return this survey with your signed consent form.



Prefer not

to answer

Don't

know

Exposure Survey 2

A. Rice and/or other rice products

Participant ID

The first few questions are related to your activities in the last 3 days, including today.

Yes

No

1. In the last <u>3 days</u>, including today, have you had any of the food or beverages below? Check one box in each row, A through C.

For ex	xample, rice cereal, rice noodles, rice cakes or crackers, nilk				
	Poultry xample, chicken, turkey				
C. V	Vine, beer, or other alcohol				
2.	In the last 3 days, including today, have you eaten as barbecued, or smoked? Yes No Don't know Prefer not to answer	ny meat or fis	sh that was fr	ried, roasted,	grilled,
3. □	In the last <u>3 days</u> , including today, approximately ho freeway? Less than 1 hour	w much time	have you sp	ent in a vehic	cle on a
	1 – 6 hours				
	6 – 9 hours				
	More than 9 hours				
	Don't know				
	Prefer not to answer				
	Survey continues on t	he next pag	e		

Staff use only:

Kit Code

Exposure Survey 2

The next few questions relate to your activities in the last 7 days, including today.

	In the last <u>7 days</u> , including today, have you had any seafood? example, fish or shellfish, including items like fish in sushi and tuna fish sandwiches
	Yes
	No
	Don't know
	Prefer not to answer
	In the last <u>7 days</u> , including today, have you smoked any tobacco products, such as cigarettes, pipes, cigars, cigarillos, bidis, hookahs, etc.? Yes
	No
	Don't know
	Prefer not to answer
6. □	In the last <u>7 days</u> , including today, have you used e-cigarettes or other vaping devices? Yes
	No
	Don't know
	Prefer not to answer
	In the last <u>7 days</u> , including today, has anyone smoked tobacco products in your presence inside your home or car? Yes
	No
	Don't know
	Prefer not to answer

Survey continues on the next page

Exposure Survey 2

The final series of questions are related to your activities in the past 6 hours.

8. In the past $\underline{6}$ hours, did you eat or drink any of the following:

Check one box in each row, A through C.

	Yes	No	Don't know	Prefer not to answer
A. Canned beverage (including soda, water, juice, or alcohol)				
B. Canned food (including food prepared with canned food ingredients)				
C. Food packaged in a takeout container (including prepared food from a supermarket)				

9.	In the past 6 hours, have you touched or handled a paper receipt?
	Yes
	No
	Don't know
П	Prefer not to answer

Survey continues on the next page

Exposure Survey 2

10. In the past 6 hours, have you used the following products:

Check one box in each row. Check all that apply. For example, if you used a moisturizer which contained sunscreen, check 'yes' for both products.

	Yes	No	Don't know	Prefer not to answer
A. Moisturizers				
Face cream, lotion, or moisturizer				
Hand cream, lotion, or moisturizer				
Body cream, lotion, or moisturizer				
B. Sun protection				
Sunscreen				
C. Cosmetic products				
Foundation				
Concealer				
Powder				
Lipstick				
Nail polish				
Nail polish remover				
Perfume, cologne, or body spray				
D. Hair products				
Shampoo				
Conditioner (rinse-out)				
Leave-in conditioner				
Hair styling products, including hair spray, hair styling gel, mousse, pomade				
E. Other personal care products				
Liquid soap or body wash				
Deodorant or antiperspirants				
Mouthwash				

You have completed the survey. Thank you for your time.