

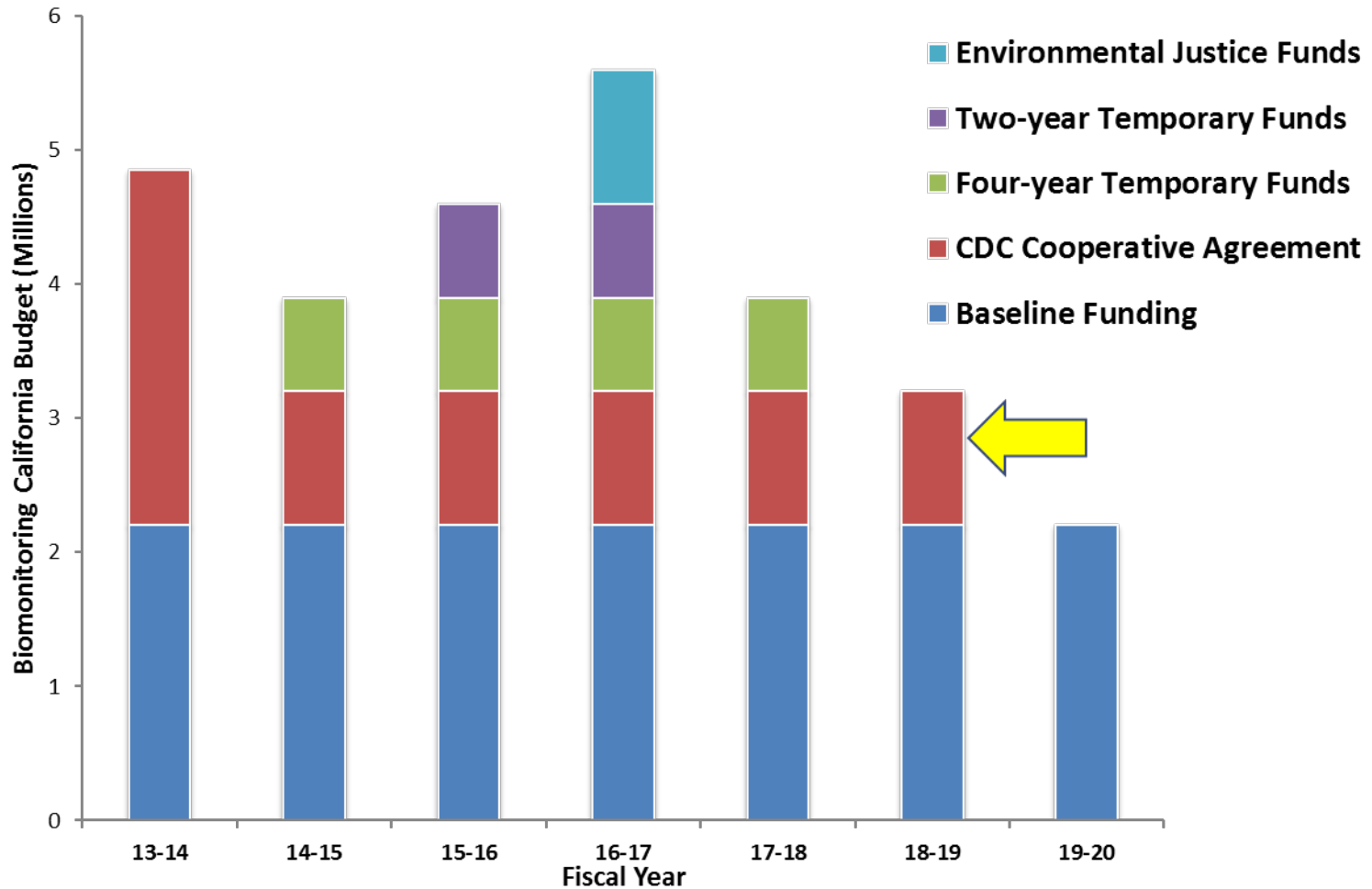
Program Update

Nerissa Wu, MPH, PhD
California Department of Public Health

Presentation to the Scientific Guidance Panel Meeting
August 2018 – Oakland, California



Program Budget



*Program budget was supplemented through the Budget Change Proposal (BCP) process as a temporary measure following the 2014 reduction in CDC funding.

Biomonitoring California Sample Collection



California Regional Exposure (CARE) Study

- Eight regions, based on geography and population
- Conduct sampling in approximately one region/year, with 300-500 participants per region
- Biomonitoring for metals and perfluoroalkyl and polyfluoroalkyl substances (PFASs) and collection of exposure data
- Potential to include additional panels, such as 1-nitropyrene or environmental phenols

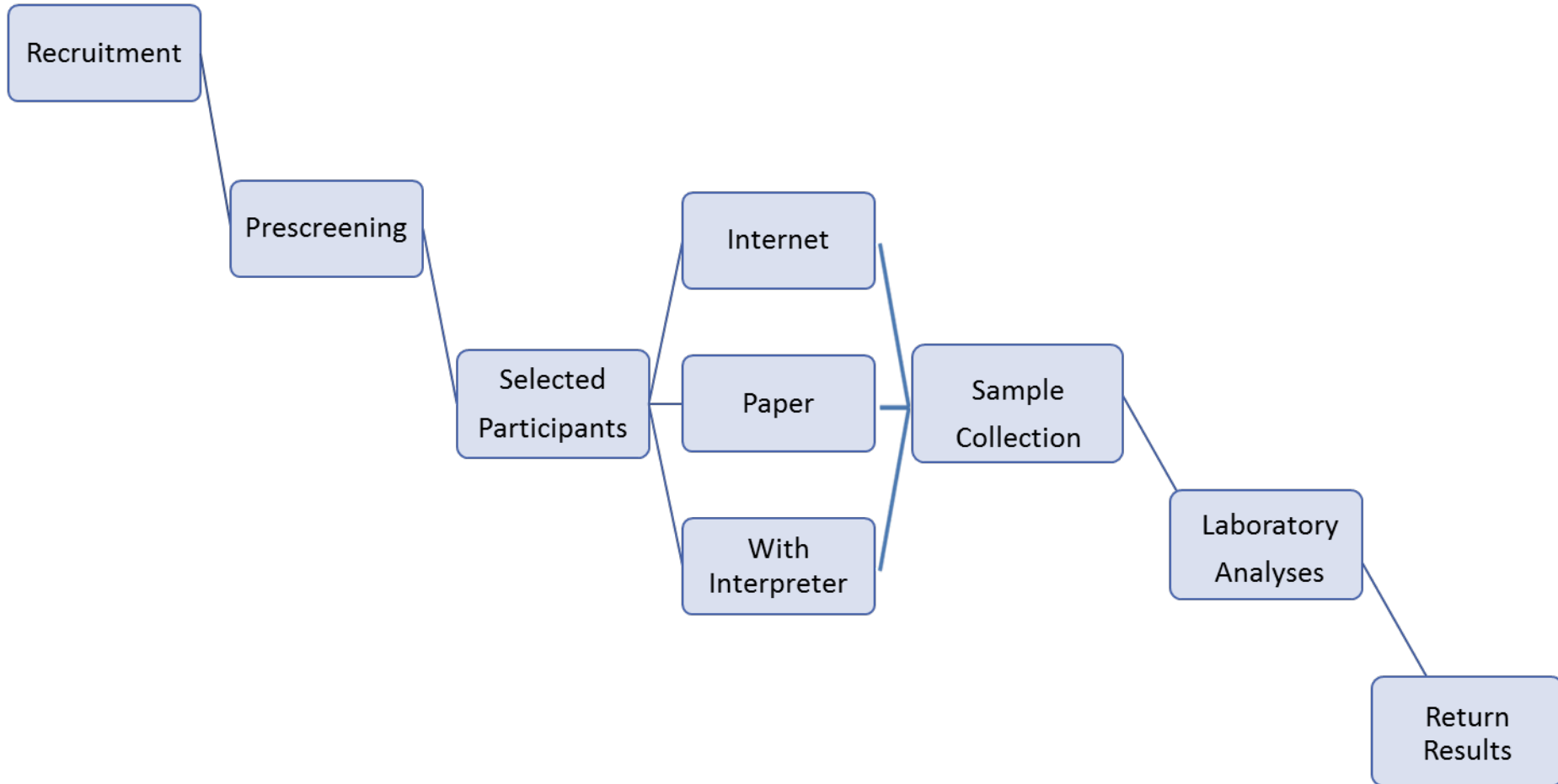




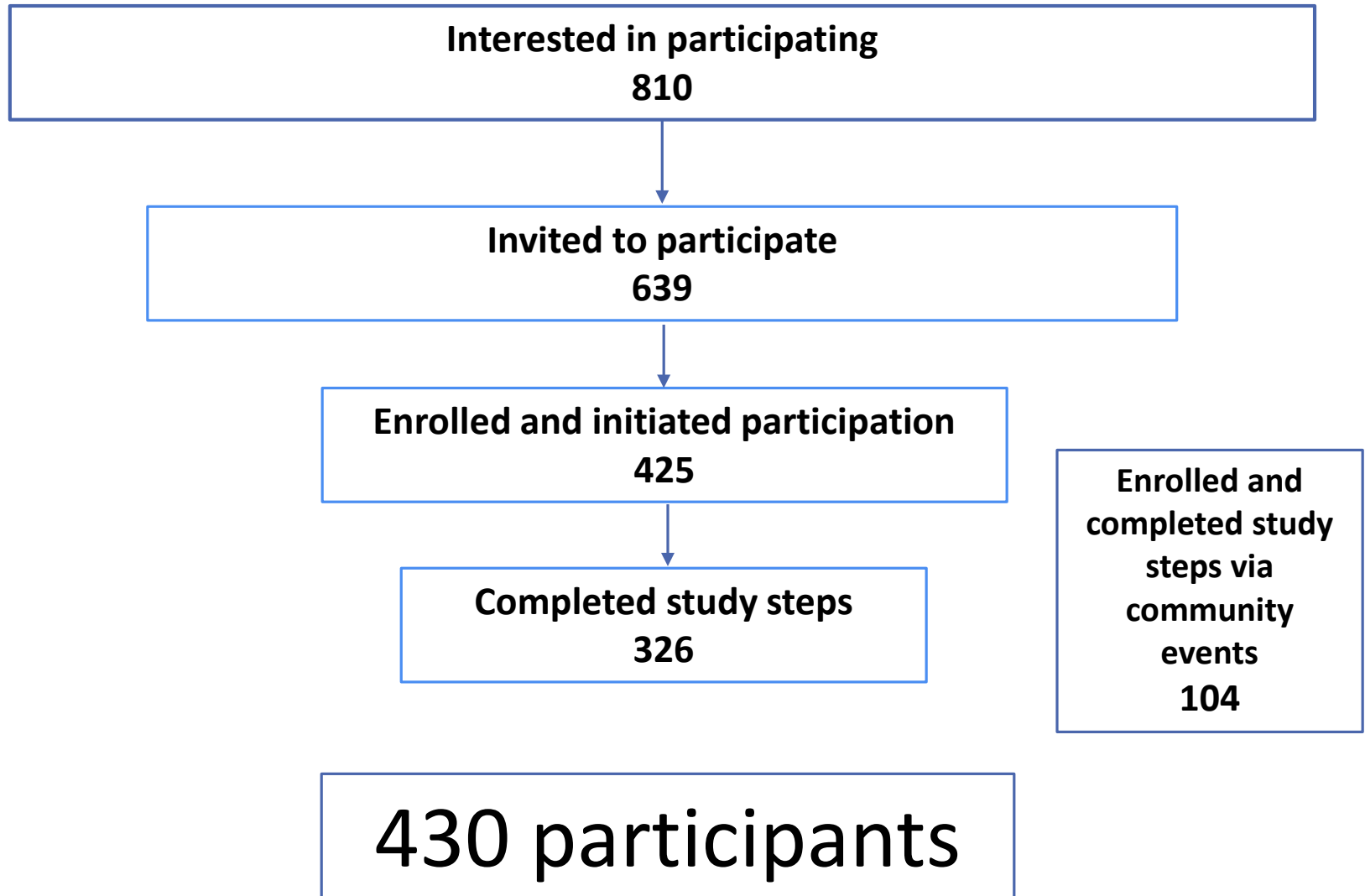
CARE Study LA



California Regional Exposure Study: Participant Flow



CARE LA Participation



How did people find out about CARE LA?

Source	% Prescreen Population	Rate of Study Completion (%)
Postcard	22	62
Craigslist	23	43
Networking/Events	32	46
Flyers/Word of Mouth	23	59

How representative is CARE LA?

Race/Ethnicity (% of Total)	% CARE LA Participants	LA County (2017)
Asian	18	14
Black	14	8
Hispanic	37	48
White	30	26
Other	2	1

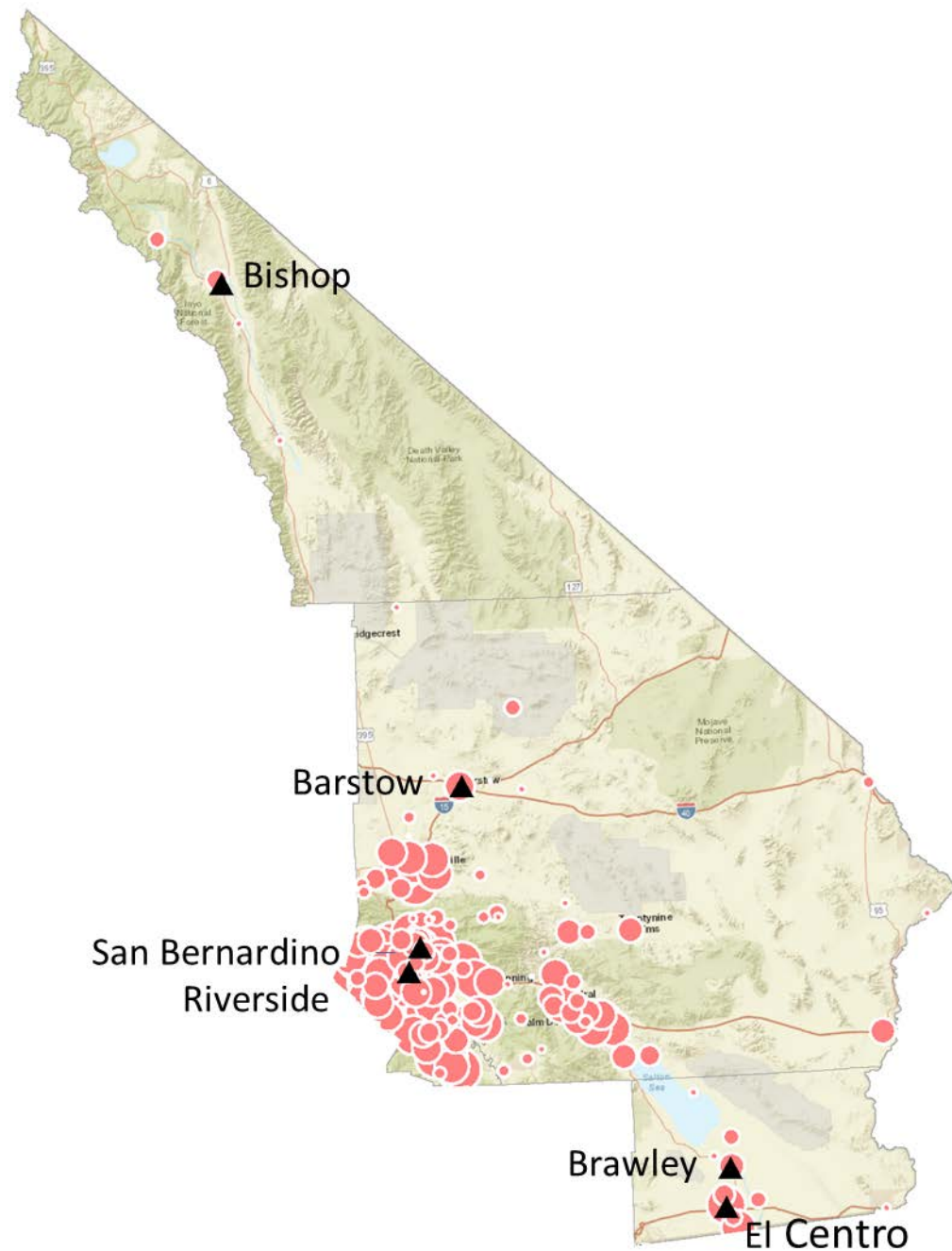
Education (% of Total)	% CARE LA Participants	LA County (2017)
Some or no college	35	78
College degree or higher	65	31

CARE Study: Lessons learned

- All forms of outreach were important and should be continued
- Targeted outreach was the most successful recruitment method
- We needed to do a better job reaching out to diverse communities
- Participant incentive needs to be higher
- Enrollment and sample collection were the biggest challenges

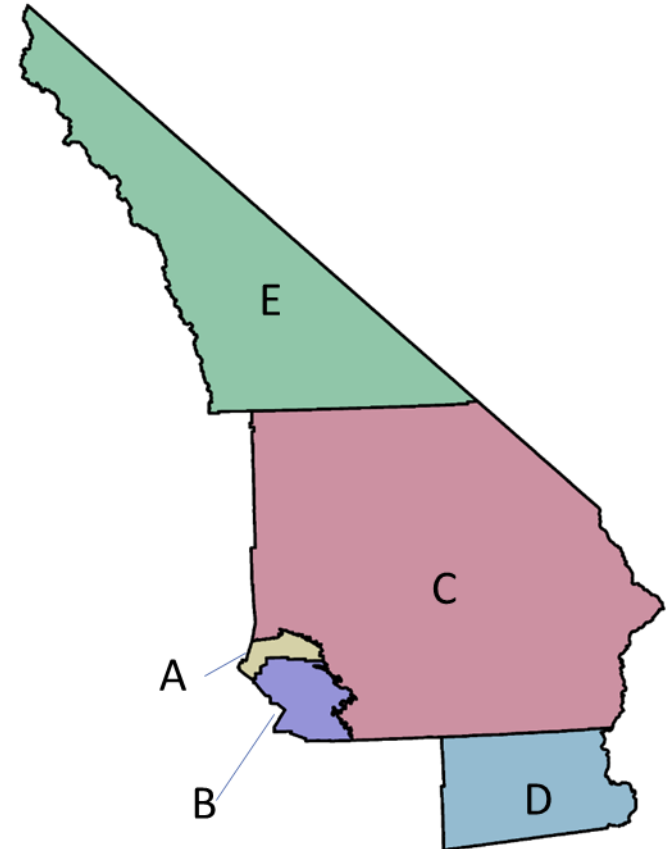
CARE Region 2

- Includes Riverside, San Bernardino, Imperial, Mono, and Inyo counties
- Population is concentrated in small areas



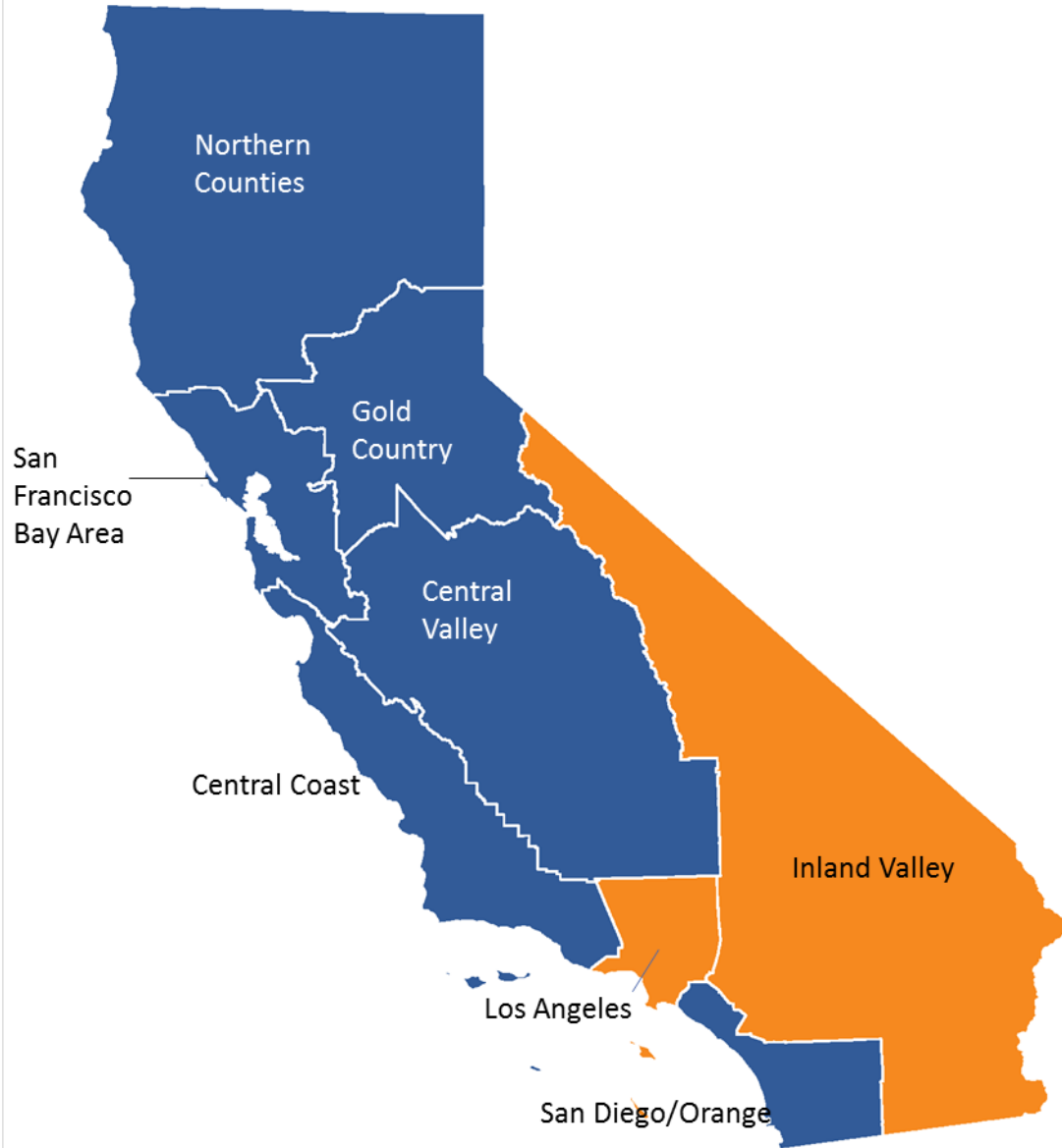
Region 2 Sampling Plan

- Divide Region 2 into five sampling zones
 - A – Riverside County urban
 - B – San Bernardino County urban
 - C – Suburban and rural areas of Riverside and San Bernardino counties
 - D – Imperial
 - E – Inyo/Mono
- Based on population, set zone-based enrollment goals
- Over-sample in some zones and in race/ethnicity groups



Projected timeline

Task	Projected Timeline
Region 1 – Early notification for elevated metals levels	May – September 2018
Region 1 – Return results	December 2018
Region 2 - Outreach	June – December 2018
Region 1 – Community meetings	March – April 2019
Region 2 – Field work	January – April 2019



Projected Year	Region
2018	Region 1: Los Angeles County
2019	Region 2: Inland Valley
2020	Region 3: San Diego/Orange
2021	Region 4: Central Coast
2022	Region 5: Central Valley
2023	Region 6: Gold Country
2024	Region 7: San Francisco Bay Area
2025	Region 8: Northern Counties
2026	Region 1: Los Angeles County

Biomonitoring California Staff

Kathleen Attfield

Adam D'Amico

Juliet Kinyua

Juan VillaRomero

Judy Balmin

Josephine DeGuzman

Weixin Kuang

Jed Waldman

Lauren Baehner

Jeff Fowles

Ying Li

Miaomiao Wang

Hyoung Gee Baek

Ryszard Gajek

Jennifer Mann

Yunzhu Wang

Russ Bartlett

Qi Gavin

June-Soo Park

Suzanne Wittwer

Paramjit Behniwal

Songmei Gao

Julian Perez

Nerissa Wu

Reber Brown

Sara Hoover

Myrto Petreas

Greg Yeh

Key-Young Choe

Shoba Iyer

Martha Sandy

Jun Qiang Zhou

Robin Christensen

Ting Jiang

Jianwen She

Sabrina Crispo Smith

Duyen Kauffman

Dan Sultana