

Program News and Updates

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Budget Update

- **State funds**

- Fiscal year (FY) 2016/17
 - Core plus temporary augmentation (Special Funds)
 - EJ Funding (\$1 million for one year, General Fund)
- FY 2017/18 – what's the prognosis?

Staffing Updates

- **Thank you**

- **Robert Voss**
- **Lauren Joe**
- **Laurel Plummer**



- **Welcome**

- **Susannah McKay**

Program Updates

- Asian/Pacific Islander Community Exposures (ACE) Project
- Foam Replacement Environmental Exposure Study (FREES)
- Expanded Biomonitoring Exposures Study (BEST)
- Environmental Justice Projects
- Multiregional Sampling Plan

Asian/Pacific Islander Community Exposures (ACE) Project

- Measures metals and perfluoroalkyl and polyfluoroalkyl substances (PFASs) in Chinese adults living in the San Francisco Bay Area
- Community partner: APA Family Support Services
- Initial enrollment goal: ~40-60 participants, expanded to 100 participants
 - Recruitment completed!



Foam Replacement Environmental Exposure Study

- Compares levels of PBDEs and OPFRs before and after foam furniture replacement
- Two participation tracks: SF/East Bay and San Jose
 - San Francisco/East Bay
 - Shifts in participant pool
 - Second round of results projected for December
 - San Jose
 - First sample collection is complete
 - Results projected for December



Expanded BEST

- Measured environmental chemical exposures in ~350 Kaiser Permanente members from California's Central Valley
- Of the 30 original participants with elevated arsenic in the initial sample, 15 participated in a retest and follow-up exposure survey
- Results for 5 of the 15 participants were again elevated
- Third round of retesting underway

Environmental Justice Projects: Community Outreach

- Community Outreach
 - Identifying EJ communities
 - Conducting listening sessions to identify priorities and potential for biomonitoring
 - Building relationships for future work



Environmental Projects: Community Studies

- Asian/Pacific Islander Community Exposures (ACE) Project II
 - Expansion of ACE project to include Vietnamese community
 - Partnering with the Vietnamese Voluntary Foundation (VIVO) in San Jose
 - Recruitment projected to begin in April 2017
- Diesel Exposure in Parent-Child Pairs
 - Comparison of exposures across neighborhoods and age groups
 - Sample collection in two seasons



Statewide Sampling Challenges

- Recruiting a representative participant pool
- Obtaining detailed exposure information
- Obtaining blood/urine samples
- Covering the state within a 2-3 year cycle
- Funding climate – uncertainty regarding resources

Statewide Sampling: Potential Approaches

- Existing surveys
 - California Health Interview Survey (CHIS)
 - Behavioral Risk Factor Surveillance System (BRFSS)
 - Other CDPH surveys
- Other State biomonitoring programs
- GDSP – Biobank samples

Multi-Regional Sampling Plan

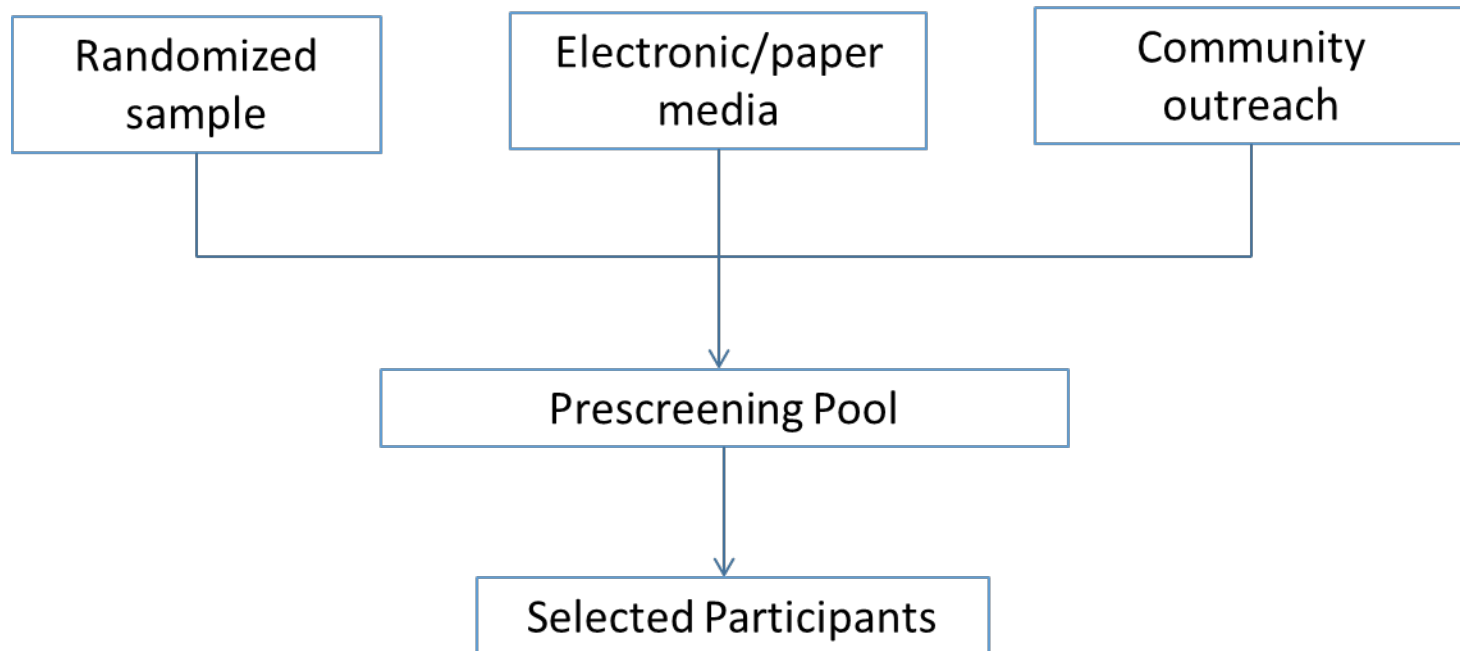
- 8 regions in California
- Proposed coverage of 2-3 regions per year (3 year sampling cycle)
- Randomized recruitment combined with community outreach
- Prescreening to ensure coverage by race, age group, and geography



Multi-Regional Sampling Plan: Breakdown of Regions

Los Angeles (10.1 million)	SF Bay (6.3 million)	Inland Empire (4.7 million)	San Diego/Orange (6.5 million)		
Los Angeles	Alameda	Imperial	San Diego		
	Contra Costa	Riverside	Orange		
	San Francisco	San Bernardino			
	San Mateo	Inyo			
	Santa Clara				
Central Valley (3.5 million)	North Coast/Shasta (1.9 million)	Gold Country (3.9 million)	Central Coast (2.3 million)		
Fresno	Butte		Monterey		
Kern	Del Norte	Placer			
Kings	Humboldt	Sacramento	San Luis Obispo		
Madera	Lake	San Joaquin	Santa Barbara		
Merced	Lassen		Santa Cruz		
Tulare	Mendocino	Sutter	Ventura		
San Benito	Modoc	Yolo			
Mariposa	Plumas	Yuba			
Stanislaus	Shasta	Solano			
	Siskiyou	El Dorado			
	Tehama	Alpine			
	Trinity	Amador			
	Sonoma	Calaveras			
	Napa	Mono			
	Marin	Nevada			
	Colusa	Sierra			
	Glenn	Tuolumne			

Multi-Regional Sampling Plan: Sampling Strategy



Biomonitoring California Staff

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