



Evaluation of Results Return Materials from the Biomonitoring Component of the San Joaquin Valley Pollution and Health Environmental Research (BiomSPHERE) Study

November 7, 2024

Biomonitoring California

Scientific Guidance Panel Meeting

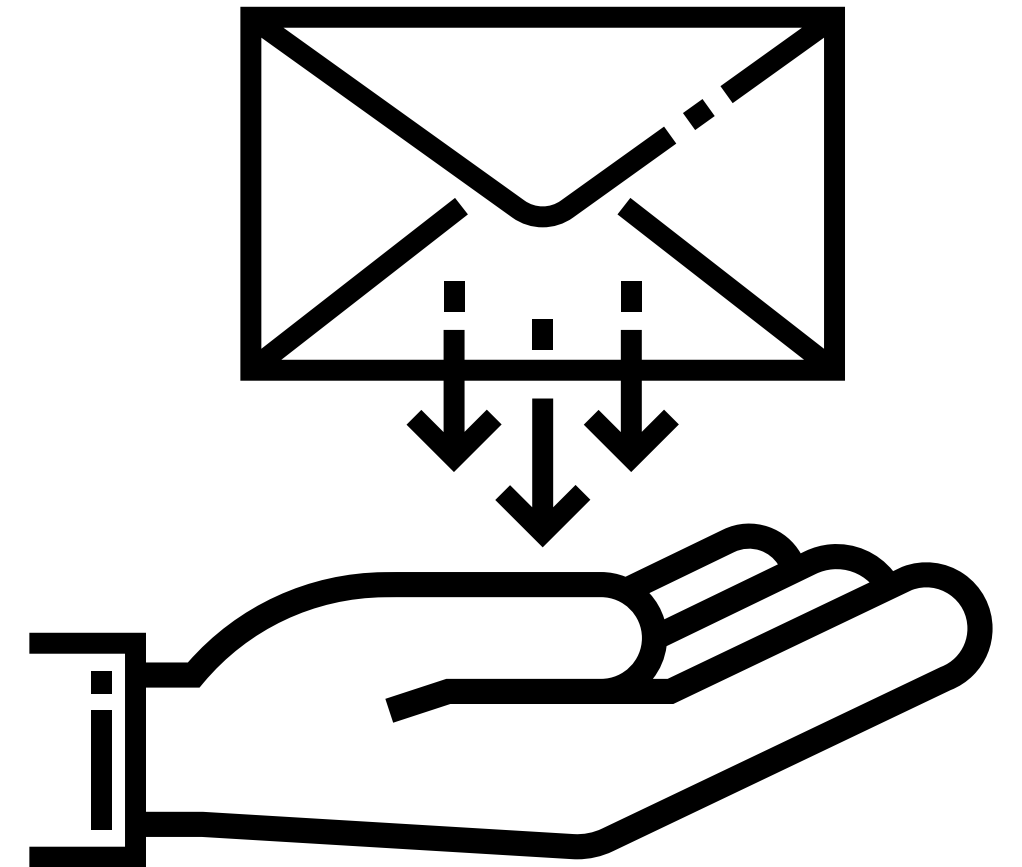
Rebecca Belloso, MPH

Biomonitoring California

Office of Environmental Health Hazard Assessment

Biomonitoring California's Mandate to Return Results to Study Participants

- Statutory requirement to return biomonitoring results to study participants who request them (Health & Safety Code Section 105443)
- Provide materials to help participants understand their results
- Tailor materials to participant audience
 - Culturally and linguistically appropriate



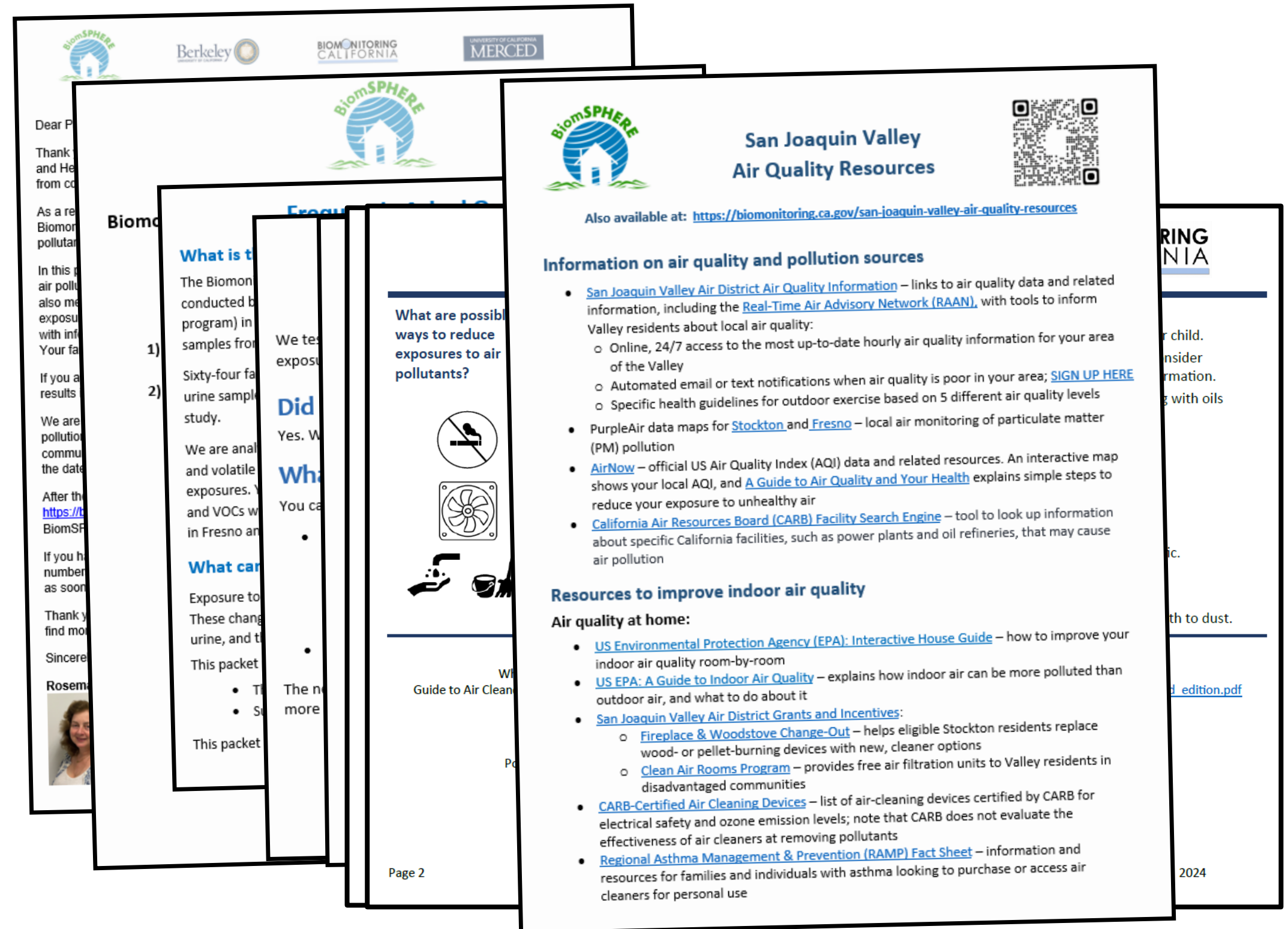
Results Return: Behind the Scenes

- Conduct QA/QC on data
- Analyze final data set for summary statistics
- Create draft text and results tables with comparison data
- Internal and PI review
- Submit draft packet to IRB
- Update tables with personalized results
- Package all materials into one PDF
- Distribute final packets



Results Return Packets

- Cover letter
- Table of contents
- Project description
- Results table
- Informational chemical fact sheets
- Community resources
- Glossary



Distribution Method

- Return within one year of sample collection
- Send results to all participants at the same time*
- Participants choose how to receive results
 - Printed packets by mail
 - Password protected email
 - In-person delivery, if neither option is feasible

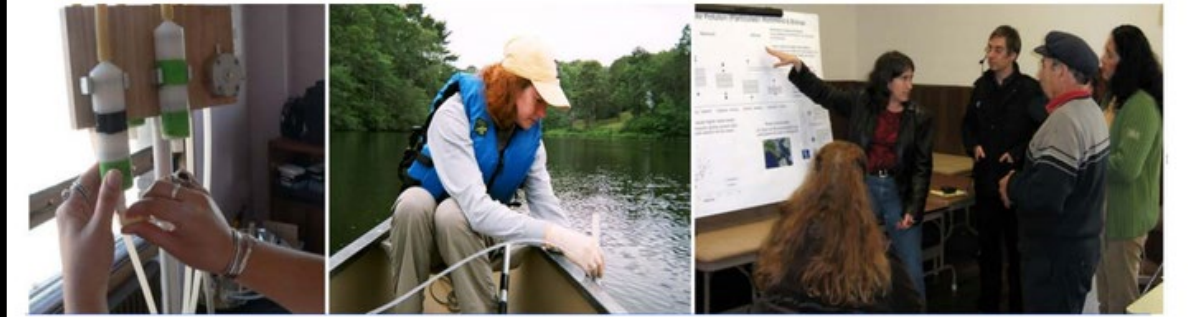


*Except for elevated results above the Level of Concern

Previous SGP Discussions

- SGP discussion on scientific, clinical, and ethical challenges on reporting results back to participants.
 - Chemicals in Our Bodies Study (also known as Maternal and Infant Environmental Exposure Project, MIEEP)
 - Pilot Biomonitoring Exposures Study (BEST)

Educating Biomonitoring Participants About their Exposure to Environmental Chemicals: What Does the Science Say?



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**BIOMONITORING
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Evaluation of Results Return Materials for Biomonitoring Exposures Study (BEST)

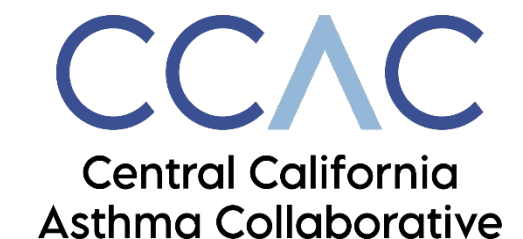
Duyen Kauffman
California Department of Public Health

Biomonitoring California
Scientific Guidance Panel Meeting
November 18, 2015 – Richmond, CA

Evaluation of BiomSPHERE Results Return Materials



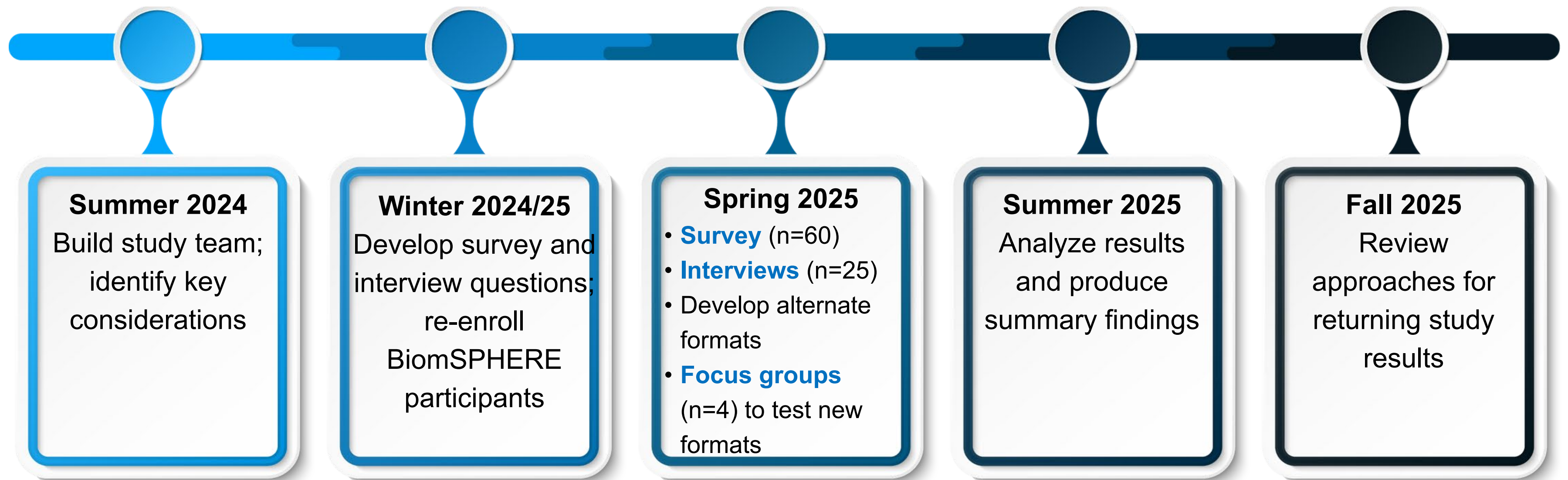
- University of California, Merced
- Community Partner: Central California Asthma Collaborative
- Surveys, interviews, and focus groups
- Study aims:
 - Assess participants' understanding of study results
 - Assess the impact of receiving results on participants (changes in knowledge, attitudes, and behaviors)
 - Recommend optimal approaches to returning results



Results included in the BiomSPHERE Packets

- Urinary biomarkers
 - Oxidative stress, inflammation, lung injury
 - Polycyclic Aromatic Hydrocarbon (PAH) metabolites
 - Volatile Organic Compound (VOC) metabolites, including cotinine

Timeline for Evaluation Study



Questions?

Thank you!

