

Meeting Summary

CO SCOPE Community Advisory Panel

The twelfth meeting of the Community Advisory Panel (CAP) of the Colorado Study on Community Outcomes from PFAS Exposure (CO SCOPE) met online via Zoom on the eve of February 22, 2024.

The key topics covered during this meeting included:

- Completion of CO SCOPE testing;
- Parameters for upcoming public meetings to explain PFAS testing results; and
- CAP input on structure and logistics for public meetings.

Below please find a list of handouts from the meeting and the electronic links to the documents. They are also posted on the [Colorado SCOPE web page](#).

- [PowerPoints from the 2-22-24 CAP Meeting](#)
- [CO SCOPE fact sheet explaining PFAS results](#)
- [Colorado Department of Public Health and Environmental \(CDPHE\) fact sheet about how to talk to your doctor about PFAS](#)

In addition, during the meeting, a CAP member requested the link to the recording of the public meeting held January 30, 2024, regarding PFAS results at the former Pease Air Force Base.

These links can be found here:

- [PEASE Study meeting recording Part 1](#)
- [PEASE Study meeting recording Part 2](#)

Please contact Kristi Celico, the CAP facilitator, at kcelico@gmail.com if you need assistance downloading any of these items.

Appendix A of this document includes the Study Team's contact information. Appendix B is an attendance list for the meeting. Appendix C summarizes key recommendations made at this meeting and all prior CAP meetings and the Study Team's response.

Update on completion of CO SCOPE

Study co-lead Anne Starling of the Colorado School of Public Health, provided an overview of the CO SCOPE program and updates. This overview starts on page 3 in the presentation ([PowerPoints from the 2-22-24 CAP Meeting](#)). Key updates include:

The study officially wrapped up on September 30th, 2023. Colorado finished the study with 1,066 participants and had the highest number of children enrolled of any active or completed site in the Study.

PFAS results letters were sent out the week of February 19th. Community members should be getting them very soon. If not received, any Study participant can call the CO SCOPE office at (719) 425-8828.

The study team is now analyzing the results and getting the data ready for the public meeting.

Please reach out to Anne at ANNE.STARLING@cuanschutz.edu with further questions.

Public Meeting to Discuss PFAS Results

Study co-lead Anne Starling of the Colorado School of Public Health reported that the CO SCOPE team will hold public meetings to discuss how to read and interpret individual PFAS results. Dr. Starling explained the intended purpose of the meetings and possible structure before soliciting input from the CAP on what might work best for the Fountain Valley community.

She noted that the public meetings will include a general presentation and allow time for questions and answers as a group and individually. The proposed meeting agenda would include:

- Overview of the study/timeline
- How to read your PFAS results
- The differences between the PFAS Aware and CO SCOPE Study
- Fountain Valley community PFAS results
- Ways to limit future PFAS exposure
- Resources available
- Next steps

There are a few things that the public meetings will not be able to address:

- Study results connecting PFAS levels to current health problems. These results are not ready yet. The CO SCOPE will continue to do this research over the next years
- Answers to whether PFAS caused personal health concerns
- Individual medical advice

During the February 22 CAP meeting, Dr. Starling noted that the funding agency, the Agency for Toxic Substances and Disease Registry (ATSDR), would require a clearance process for reviewing and approving all public meeting slides. This requirement has since been removed and the CO SCOPE team can move forward with scheduling the public meetings.

Please reach out to Amber at AMBER.VAUGHN@cuanschutz.edu with further questions.

Input from the CAP

Following this overview, the Facilitator requested input from the CAP on how best to design the public meetings to meet the needs of the Fountain Valley Area. Below is a summary of the suggestions. The CO SCOPE team was able to respond to some CAP ideas immediately and say yes. Other ideas are being investigated due to budget and timing constraints. Please see Appendix C for an update on CO SCOPE team's responses.

1. CAP Recommendations on meeting timing/format:

- Consider holding two online meetings—one in the AM and one in the PM
- Consider holding two in-person meetings—one in the AM and in the PM
- Recommend holding meetings on weekdays only. Tuesdays/ Thursdays are preferred
- Best start time: 10 am or 6:30-7 pm
- Hold all meetings within a one-week timeframe so that everyone gets information at the same time.
- Hold in-person meeting first
- Record the meetings and post the links online

2. Topics/ questions that should be addressed:

- What actionable steps can community members take to protect themselves from future exposure?
- Conduct a post-study survey of all participants. This would allow community members to provide input in a private way.
- Hand out a “cheat sheet” with acronyms and other basic information. Put this information on a different colored piece of paper so that it stands out.
- List of specific recommended tests and next steps that study participants can discuss with their doctor.
- During the public meetings, be very aware that there are limited medical services available in this community and that some doctors are not educated about PFAS. Provide information that is appropriate given these circumstances.
- Clarify that the CDPHE fact sheet regarding talking to your doctor is a generic fact sheet. It recommends getting PFAS testing. Study participants have already been tested and do not need additional testing at this time.
- At the public meeting, clarify the limits of adding up all the types of PFAS that one has been exposed to (as suggested in the results letter).
- Use an “example person” to explain PFAS results and what this means for their health.
- Emphasize that the science is fluid on PFAS.

- Provide name tags for CAP members. Introduce CAP members at beginning of the meeting,

3. Potential meeting date(s) and location(s)

- Mesa Ridge High School (lunchroom or auditorium)
 - Has great space and sound system, with multiple screens to pull down for presentation
- Widefield Community Center
 - Seats up to 200 people.
 - Contact Widefield Parks and Recreation staff member Eric Hulen at (719) 391- 3515

4. Best ways to inform people

- Postcards/mailings with dates and times
- [Fountain Valley Area “Colorado” Community Shared Group - over 5k members](#)
 - Infographic to share & repost
- It is possible to add a stuffer to the Security water bill. This requires a lead month time and additional cost

Please reach out to Kristi at kcelico@gmail.com with further questions.

APPENDIX A

List of Key Staff Contacts

Colorado School of Public Health Contacts

Amber Vaughn

Data & Project Manager, PFAS Multi-Site Health Study, Colorado

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Colorado Department of Public Health and Environment

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CO SCOPE Community Advisory Panel (CAP) Facilitator

Kristi Parker Celico

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APPENDIX B**Attendance at the February 22, 2024 CAP Meeting**

Name (first)	Name (last)	Attendance (Zoom)	Role
Robin (and Carrie)	Bell	X	Community Member
Brandon	Bernard	X	Community Member
Suzanne	Carmody		Community Member
Geof	Clark		Community Member
Pat	Edelman		Community Member
Tamara	Estes		Community Member
James	Flowers		Community Member
Suzanne	Foster	X	Community Member
Rick	Giles		Community Member
Roy	Heald	X	Community Member
Greg	Miller	X	Community Member
Kat	McGarvy	X	Community Member
Sarah	McKinney		Community Member

Taylor	Murphy		Community Member
Kevin	Niles		Community Member
Kathy	Pullara	X	Community Member
Carola	Rafferty	X	Community Member
Ellise	Rafferty	X	Community Member
Liz	Rosenbaum	X	Community Member
Kai	Elgethun	X	Technical Team
Chris	Poulet		Technical Team
Kendra	Morrison	X	Technical Team
John	Adgate		Study Team
Kelsey	Barton		Study Team
Kristi	Celico	X	Study Team
Mallory	O'Brien	X	Study Team
Kristy	Richardson		Study Team
Anne	Starling	X	Study Team
Amber	Vaughn	X	Study Team

APPENDIX C

Facilitator's Tracking Document

Outstanding items as of 2/22/24

Date	Action Requested or Action Committed	Response
02-22-24	<p>CAP Recommendations:</p> <ol style="list-style-type: none">1. Feedback on public meeting format, date/time, location, potential meeting places and best ways to inform people.2. Feedback on what topics/ questions should be addressed at the public meeting.3. Feedback on best way to inform people.	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none">1. The COSCOPE team will work on organizing two public meetings; one online and on in-person. Meetings will be held within the same week, will be recorded and available online for viewing. For in-person meeting location, the team will work with Mesa Ridge High School and Widefield Community Center to see which space works best.2. The COSCOPE team will develop a "cheat sheet" to pass out with other fact sheets, for participants to reference through the meetings.3. The CAP mentioned that adding an info sheet to the Security water bill again and a Facebook group would be a good place to advertise for the meeting(s).
06-07-23	<p>CAP Recommendations:</p> <ol style="list-style-type: none">1. Incorporate CAP input into the refinement of the Mock PFAS blood results dashboard	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none">1. Margaret/CDPHE will update dashboard based on CAP input. CDPHE will share refined dashboard with CAP members and ask for any further input through a Zoom meeting.
02-08-23	<p>CAP Recommendations:</p> <ol style="list-style-type: none">1. Feedback on the supplemental fact sheet from CDPHE	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none">1. CDPHE will update fact sheet based on CAP input and share results with CAP.

11-09-22	<p>CAP Recommendations:</p> <p>The Study Team should explore the following for soliciting new Study participants:</p> <ol style="list-style-type: none"> 1. Craft fairs 2. Coffee shops, Big R, lunch spots 3. High school/club sports teams, football games 4. High school reunion Facebook groups 5. Gazette, Southeast Express, and Mountaineer newspapers 6. Hang flyers in pediatrician offices 7. Can we contact high schools for a list of graduates? What about the military? 8. Explore locations in Colorado Springs where former Fountain Valley Area residents hang out, such as the Bell Brewery downtown. <p>The Study team provided the following ideas for results communication:</p> <p>CAP Actions:</p> <ol style="list-style-type: none"> 1. Share flyers with neighbors and friends. 2. Suggest to Deanna the places to insert flyers during the holidays such as gift baskets from churches and pantries. 3. Suggest to Deanna local events for tabling or handing out flyers. 4. Post to social media 5. Sign up with Deanna to go door-to-door. 	<p>Response to CAP recommendations:</p> <p>The endeavors and results of the Study Team are as follows:</p> <ol style="list-style-type: none"> 1. The Outreach Team has posted flyers and tabled at coffee shops. 2. Deanna has arranged with Big R to table 2 Saturdays/month. Almost every 3 hour session has brought in 7 signups and over 20 potential enrollments. 3. We are working to gain permissions to attend high school sports and are still looking for high school-related Facebook groups. 4. We learned Fountain Valley News and the Mountaineer newspapers have ceased production, so we'll focus on the Gazette, the Independent, and the Southeast Express. 5. Local pediatrician offices were contacted. Two have accepted flyer posting, and we are waiting for permission to share study materials from UCHHealth and Peak Vista with their patients. 6. We continue to work with schools and military to obtain lists. 7. We have posted in some Colorado Springs buildings and restaurants. <p>The Study team provided the following responses to CAP member Actions:</p> <ol style="list-style-type: none"> 1. New flyers and content to share and post on social media. 2. Local events and libraries were suggested and are now scheduled through the end of the study. 3. Invited CAP members to participate in a new volunteer program.
7-13-22	<p>Cap Recommendations:</p> <ol style="list-style-type: none"> 1. CAP would like outreach and study progress update before October 12th meeting. 2. Talking to your doctor. 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> 1. Deanna will send out an email to CAP members on outreach activities (Dark Waters showing), enrollment, and study progress.

		<ol style="list-style-type: none"> Deanna/ Mallory will work with CAP members on providing the “Guidance for Physician” flyers to medical offices around the area.
5-11-22	<p>CAP Recommendations:</p> <ol style="list-style-type: none"> Outreach to Security Mobile Home Park Post flyers near CDPHE’s fish-related signs 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> This area will be included in CO SCOPE’s canvassing efforts as well as sending out postcards notifying residents of the study. Study will look into posting in these areas, particularly in Spanish
3-09-22	<p>CAP recommendations:</p> <ol style="list-style-type: none"> Recruitment strategies Recruitment events 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> The CAP would like to see familiar faces on outreach materials, such as local residents, CAP members and the study team. We appreciate this feedback and Deanna will get started on bus advertisements and photos of community members, residents and study team members. The CO SCOPE team will begin reaching out to other organizations like the YMCA, Parks and Rec, and churches for distribution of flyers or attending events. Movie night/Dark Water screening is still TBD, as well as the joint ATSDR/ Exposure Assessment in-person meeting.
1-12-22	<p>CAP recommendations:</p> <ol style="list-style-type: none"> EPA rulemaking on PFAS CO SCOPE child recruitment flier CO SCOPE water modeling Outdoor summer activities 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> Dr. Benson will share comments raised by the Water Districts regarding rulemaking. The rulemaking committee meets next month, February, and he will keep the CAP informed during comment periods. We appreciate the CAP members' feedback on the child flier. We will continue to have opportunities for the CAP to provide feedback on additional

		<p>outreach activities and written materials.</p> <ol style="list-style-type: none"> 3. Dr. Higgins and his Team will investigate the 3 ideas raised regarding potential other sources of PFAS contamination in Fountain. 4. Tamara Estes will connect Deanna with contacts at Park and Rec to help coordinate outdoor movie nights.
11-10-21	<p>CAP recommendations:</p> <ol style="list-style-type: none"> 1. CAP input from study office visits 2. Targeted recruitment- Water district mailings 3. Other outreach information <ol style="list-style-type: none"> a. Social media and El Paso County Health Department b. PeachJar and high schools recruitment c. Postcards 4. Local Community Engagement- ATSDR Workgroup 5. Next CAP Meeting topics 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> 1. We appreciate the CAP members that provided feedback on their office visit. We will work on providing a list of questions beforehand for participants to be prepared before the office visits. We will address any additional recommendations affecting the office flow that come through CAP members and participants moving forward. 2. We are committed to engaging with the full population of the Fountain Valley Communities. Mallory O'Brien and Deanna Kulbeth will work with apartment complexes and landlords in the area to reach residents and families that do not receive individual water bills. 3. The Study Team appreciates the CAP's individual outreach efforts and will be happy to supply more fliers and offer presentation opportunities. Contact Deanna Kulbeth at the study office for more information. <ol style="list-style-type: none"> a. Mallory O'Brien will email approved social media posts to Kat McGarvy, El Paso County Health Department, for her to bring to the El Paso County Health Department communication team to potentially post on their social media platforms.

		<p>b. Our child recruitment has been low and CAP recommended we reach out to school boards and offer presentations. Deanna Kulbeth has connections to schools and will reach out soon after the Press Release. Deanna will look into our team participating in high school job fairs to help recruit that age group.</p> <p>c. We are acting in the direction of developing personalized postcards for CAP members to pass out throughout the Fountain Valley Community.</p> <p>4. We appreciate the time CAP members Liz Rosenbaum, Tamara Estes, and Robin and Carrie Bell have dedicated to participate in the ATSDR-hosted meeting, Local Community Engagement, on December 6th. We plan to address the recommendations they are interested in adopting as it relates to communication, community outreach, and the overall monitoring and evaluation of the study.</p> <p>5. We plan to give an overview on EPA's actions to address PFAS and Colorado School of Mines water modeling.</p>
6-21-21	<p>CAP recommendations:</p> <ol style="list-style-type: none"> 1. Make recommended changes to the one-stop shopping website. 2. Have an open house at the new study office. Make this open to the community. 3. Participate in community events including: Fourth of July Fire Department Breakfast; Fountain Fall Festival; Thunder in the Valley; events at Peaks and Pines Brewery. 	<p>Response to CAP recommendations:</p> <ol style="list-style-type: none"> 1. We will work on improving the formatting of the website, so it works well on all device types including mobile phones. We will address any additional recommendations that come through CAP members moving forward. 2. We plan to have an open house at the study office in September 2021. We will make this event open to the community as suggested by CAP members. We will consider having a

		<p>raffle for a local gift card to encourage attendance.</p> <ol style="list-style-type: none"> 3. We will investigate having an information and sign-up booth at the Fountain Fall Festival and Thunder in the Valley. Unfortunately, due to the short timeline we will not be able to have staff at the Fourth of July Fire Station Breakfast. Further, we will investigate attendance or participation in events at Pikes and Pines Brewery.
3-2 21	<p>CAP recommendations:</p> <ol style="list-style-type: none"> 1. CAP members recommend posting on the following Facebook pages: <ul style="list-style-type: none"> o Security/Widefield Residents o WSD3 Rant/ Rave Make Friends o Lorson Ranch Resident o Lorson Ranch Community o Positively Fountain o El Paso County Public Health can promote social media through their Facebook account 2. CAP members recommend posting on Twitter, Instagram, Tik Tok, and NextDoor. CAP members recommended a number of hashtags to consider for Instagram. 3. CAP members recommend watching how the Parler and GAB sites progress and consider posting on them. 4. CAP members recommend reaching out to local Hispanic leaders to seek their input on the best ways to reach the Hispanic community. In particular, they recommend touching base with: <ul style="list-style-type: none"> • John Spears at Pikes Peak Library District ESL • El Pomar Foundation has a Hispanic Emerging Leaders Development program 	<ol style="list-style-type: none"> 1. We have made note of these recommendations and will add these groups to the list of Facebook groups we plan to engage with during our social media campaign. 2. We plan to engage in all of these suggested social media platforms. We appreciate the great hashtag suggestions and will plan to experiment with various options to see which are most effective at reaching a wide audience. 3. We are committed to engaging with the full population of the Fountain Valley Communities and will watch as the platforms Parler and GAB evolve to determine if they are appropriate platforms to advertise CO SCOPE on. 4. The Study Team appreciates the CAP's suggestions of people to reach out to and will use those individuals as a starting point in our outreach efforts. Kristi Celico will reach out to these individuals to get more information on organizations we should involve in our recruitment plan, as well as determine if any of these people may be a good addition (or know or someone who would be a good addition) to the CAP. 5. We appreciate the suggestions about different groups of people to target. <ul style="list-style-type: none"> • We are internally brainstorming ways to contact members of the military community who may have been

	<ul style="list-style-type: none"> • John Aldaz at Colorado Springs Hispanic Business Council • Tamara Estes offered to reach out to the City Council member who is part of the Spanish-speaking community. • Sarah McKinney speaks Spanish and can assist as needed. <p>5. The CAP also recommended considering the following:</p> <ul style="list-style-type: none"> • Develop methods for targeting military families who might have moved. • Sarah McKinney could help promote the Study through her regular advertising. • Need to identify ways to reach the elderly community. Many use Facebook. Also recommend reaching out to Fountain Valley Senior Center. <p>6. The CAP provided detailed recommendations for improving the draft flyers shared at the meeting. These flyers and comments can be found in the meeting summary located here: https://www.co-scope.org/community-engagement (See March 2nd Meeting Summary)</p> <p>7. Molly requested additional information regarding the specifics on children's testing.</p>	<p>exposed to PFAS previously but no longer live in the area. One challenge with this population is that if they are interested in participating but are no longer stationed in the area they would have to travel to the study site. That said, we would still like to give these individuals the option to participate should they be eligible, keeping in mind that people who worked directly with firefighting foams as part of their service are not able to participate.</p> <ul style="list-style-type: none"> • We recognize that the elderly may be a more difficult population to engage with, especially during COVID-19. We have investigated outreach via the Fountain Valley Senior Center and, though they are closed right now due to the pandemic, do have regular speakers via zoom as part of their Active Minds program. We plan to reach out to the Center and see if we may give a talk about PFAS and CO SCOPE at one of these events. <p>6. We plan to entirely re-work the recruitment flyers based on the CAP's suggestions and will share the updated versions in the future.</p> <p>7. We have added some additional information into the FAQ section of the website regarding what is involved in children's testing. You can find this information here: https://www.co-scope.org/frequently-asked-questions (See: Participation in Colorado SCOPE)</p>
12-10-20	<p>CAP recommendations:</p> <ol style="list-style-type: none"> 1. Use the term "Fountain Valley Communities" to refer to the Study Area. 2. Provide testing times during the evening and weekends. 3. Consider offering COVID vaccines to those who want it as an incentive to participate in the Study. 	<ol style="list-style-type: none"> 1. We will use the term "Fountain Valley Communities" in study documents moving forward. 2. We are planning to have the office open from Tuesday-Saturday to accommodate weekend visits. We will also plan to have two weekdays of evening hours to accommodate those

	<ol style="list-style-type: none"> 4. Consider the ideas of drive-through testing, mobile testing, and/or at-home visits. 5. Put the Covid safety plan on the website and make it broadly available to the public. 6. Look into the following potential office locations: old Gold's Gym, old Ace Hardware, old Physical Therapist office, old Independent Records, and Widefield Square area. 7. Develop one website for all three PFAS studies. 8. Consider using PFASFV.com as a website name. 9. In the study literature, note that the health efforts of PFAS exposure can be long term and that PFAS is a persistent chemical. Clarity that participating in the Study should not impact their ability to participate in a lawsuit and/or get health insurance. 10. Advertise in the Fountain Valley newspaper and via NextDoor, Facebook, and Parler 11. Consider advertising on the following radio stations: KRDO, NPR/CPR, KRXP, and IHEARTRADIO. 12. Consider having the Wakefield High School students in the AP Environmental Studies class develop a TikTok video to help reach a younger demographic. 13. Consider placing information within a Security Water District bill and on their website. 	<p>who need to complete their visit after typical working hours.</p> <ol style="list-style-type: none"> 3. While we would love to offer COVID vaccines to study participants, this one is beyond our control. There has been some discussion within ATSDR of evaluating both COVID response and COVID vaccine response in relation to PFAS exposure. However, it is highly budget dependent. 4. We cannot do home visits due to budget cuts (requiring us to reduce staff numbers) in year one and current COVID restrictions the University of Colorado has in place. We will only revisit home visits as an option if we are given a budget increase next year to make-up for the cut in year 1. We have talked about the drive through testing, and while it is a good idea we do not think it will be feasible given the blood draw, height, weight and blood pressure measurements. 5. We will put the entire COVID safety plan on our website and develop a simplified version of it for study advertisements. 6. We are working with our realtor and have advised him of the CAP's suggestions. 7. We will develop a central website in conjunction with the CO SCOPE website. We still want the study specific website to come up when people google the study name so we will do both. 8. Rather than PFASFV.com we will use PFASFV.org. 9. We will ensure that study advertisements and FAQ documents that we develop address these potential concerns/barriers to participation. 10. We will advertise the study on all suggested social media platforms and local news outlets in order to reach
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		<p>the diverse populations residing in the Fountain Valley Communities.</p> <ol style="list-style-type: none"> 11. We will advertise the study on all suggested radio stations in order to reach the diverse populations residing in the Fountain Valley Communities. 12. We are very enthusiastic about the idea of working with local high school students to develop a PFAS TikTok video; we will meet with Suzanne in January to further these plans. 13. We have already discussed advertising the study using water district bills as means of distributing information and will continue working with the Water Authorities to make this happen. We had not considered advertising on the water district websites, but will follow up on that when we begin recruiting next spring.
12-10-20	<p>Facilitator Follow-up:</p> <ul style="list-style-type: none"> • Clarify roles of Technical Team and Study Team in the Ground Rules and send a final draft to everyone for consideration. • Develop survey for CAP on honorarium and desire to have name/phone number/email on Study website. 	<ul style="list-style-type: none"> • Kristi sent an email to CAP with a revised draft on 1-15- • Kristi sent an email with a survey link to the CAP on 12-13-20.