

CO SCOPE Community Advisory Panel Meeting

June 21st, 2021

AGENDA

- **Introductions**
- **Update on Study Activities and Timeline**
- **Overview of Children's Testing Process**
- **Pediatric Environmental Health Specialty Unit's role in PFAS**
- **Engaging Fountain Valley Communities in Study**
- **PFAS Exposure Assessment Results**
- **Logistical Matters**
- **Adjourn by 7:30**

Brief Introductions

Please share....

- Name, organization (if applicable) **and** one thing you're looking forward to this summer.

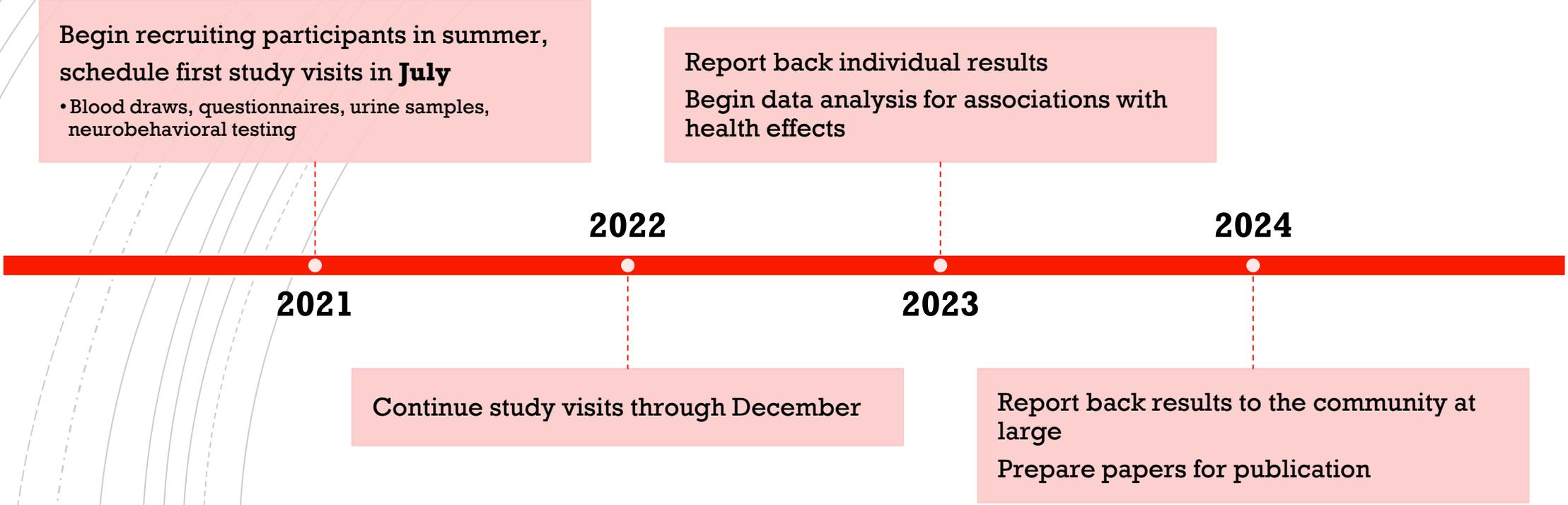
CO SCOPE Update

Presented by Dr. Anne Starling, Colorado School of Public Health

June 21st, 2021

Refresher: Study Goals

- Groundwater modeling in 4 communities
 - Security, Widefield, Fountain and Stratmoor Hills
- Evaluate how exposure to PFAS affects health
 - 1,000 adults and 300 children
- Investigator Initiated Research:
 - Research that is only being conducted at the Colorado site, is not part of the main study
 - Statistical methods and cancer biomarkers
- Report back to participants on their individual results
- Report back to the community on the meaning of all study results

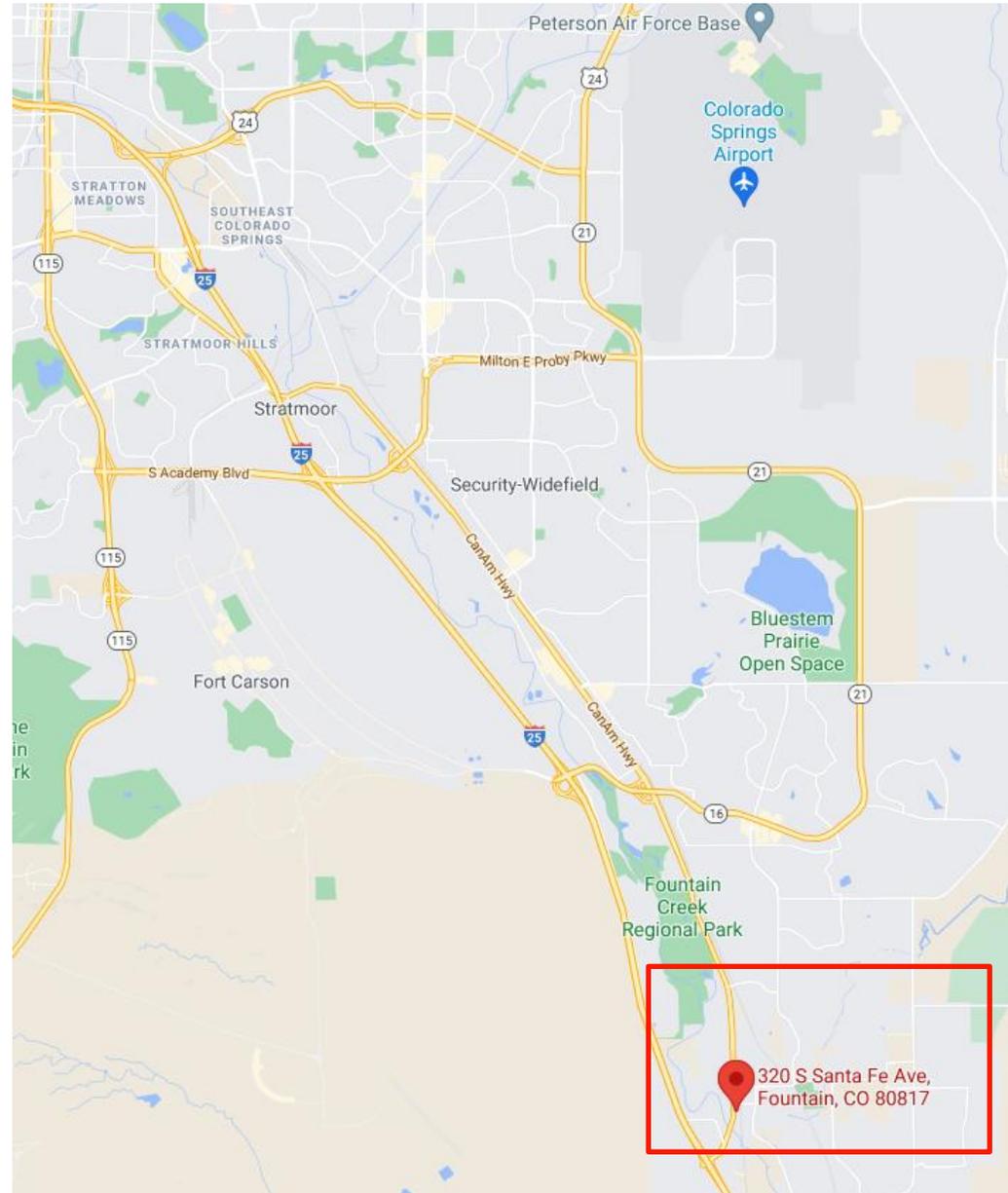


Estimated Study Timeline

Study Updates

- Four staff members hired for the El Paso county office:
 - Three research assistants (one bilingual English/Spanish) to administer questionnaires, informed consents, recruiting and neurobehavioral testing of children
 - One phlebotomist for blood draws and sample processing
 - All staff are vaccinated against COVID-19
- Recruiting materials, websites and social media campaign have been approved by our research ethics review board (IRB) for use
- We have approval for study activation from the Colorado School of Public Health
- Office Location Updates:
 - 388 Main St. in Security fell through due to lease issues
 - **FINAL LOCATION: 320 S. Santa Fe Ave, Fountain**

Office Location



Recruitment: Why Participate?

- You and your neighbors may have participated in multiple research studies about PFAS by now.
- To those who wonder why they should participate in yet another study:
 - CO SCOPE is part of a large, national study, and will evaluate many health outcomes that previous studies did not. This will give us **important evidence** about whether PFAS exposure is linked to higher risk of disease in the whole population (for policy, regulation).
 - Participants will get most of their personal results from these health outcome tests, to share with their doctors.
 - If your blood PFAS levels were measured before, you may be interested to know how PFAS levels are changing over time.



Questions?

Neurobehavioral Assessment

Greta Wilkening, Psy.D., ABPP

CO Scope/ATSDR PFAS

June 21, 2021



Hello!



- **Pediatric Neuropsychologist**
 - Professor of Pediatrics at CU Anschutz, practice at Children's Hospital Colorado
 - Clinical work
 - Run the Neurodevelopmental Research Core and have been involved in numerous multi-site and other studies
 - Lead Neuropsychologist for the UCDC Longitudinal Study, and for SEARCH
- **Helping the team prepare**
 - Training examiners to develop necessary skills and expertise to test and work with children
 - Assuring the integrity of the data that we provide to the national multi-site study
 - Introducing the study to the community: you are an important and essential conduit

Key Points

WHAT?

- What should be expected during neurobehavioral assessment?

WHY?

- Why should I agree to my child's (or children's) participation in this study?
- Why should I encourage my neighbors to have their children participate?



Why they should be involved

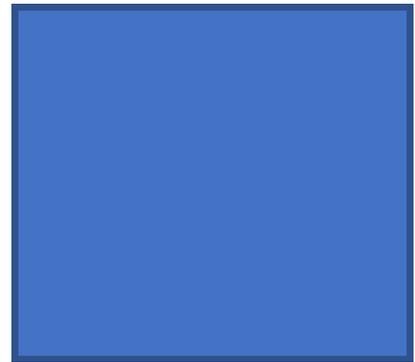
- Not much is known about the impact of exposure to PFAS on child development
- Contribution to the community
 - In 1980 survival rate of childhood leukemia (ALL) was about 10%
 - In 2021 the survival rate for childhood leukemia is about 90%
 - This amazing progress is largely due to large multi-site studies involving groups of children which allowed for identification of more successful and safer treatments
- Childhood neurobehavioral assessment is part of a broad and comprehensive look at the health effects of PFAS exposure across the country and in your community





WHAT TO TELL YOUR NEIGHBORS

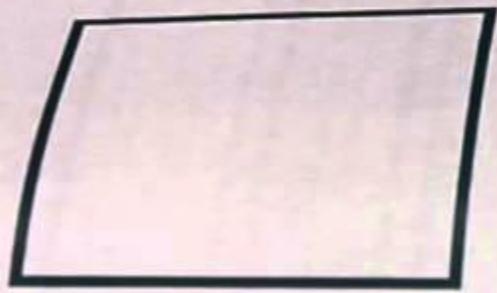
- This study is a broad-based survey of community health as impacted or not impacted by PFAS exposure
- Includes neuro-behavioral assessment of children from 4-17 years of age
 - Administration of developmental tests to children
 - Will take 90 minutes to 2 hours to complete, with needed breaks
 - The types of tasks the children will do include:
 - Following instructions
 - Remembering stories
 - Copying geometric designs
 - Paying attention
 - Parents will be asked to complete surveys that ask about their child's:
 - Planning, organizing, remembering, controlling themselves
 - Mood, friendships, behavior, attention



UNDERSTANDING
INSTRUCTIONS

12

12



11

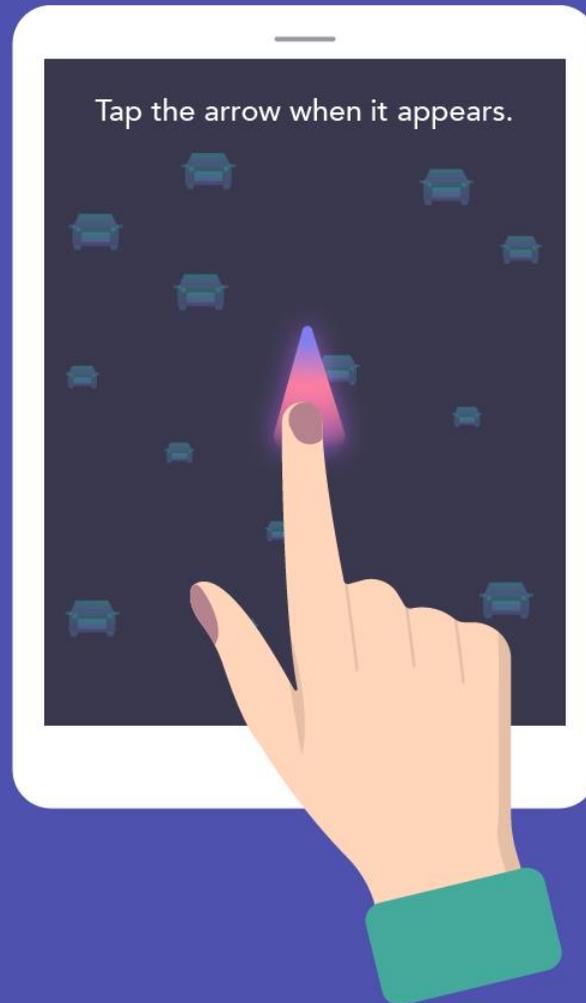


10



COPYING FIGURES

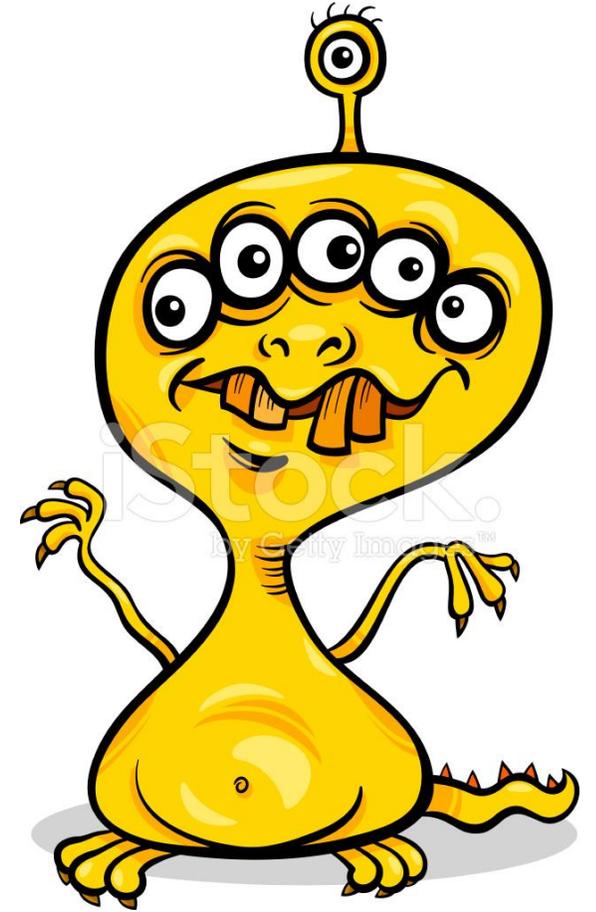
ATTENTION: vigilance,
impulse control, and
modulating responses



Please share
that this is not
scary, painful
or
intimidating

All children will be
asked to:

- *Do their best
- *Complete some
tasks that are too
easy
- *Complete some
tasks that are too
hard



Families
should
anticipate
that:

- **This is similar to time at school**
 - If possible, we'll have the child tested by themselves (Don't forget, the adults have tests to take too!)
 - Children should be well rested when they arrive



Who will be
testing your or
your
neighbors'
children?



Deanna Kulbeth



Stephanie Fernandes

Micaela Gale



Damarcus McGill



Please tell
your neighbors
that:

- Their engagement will help us to understand if there are risks to development related to PFAS
- We will be reporting the results within the data base, and it will be analyzed by group, not by individual
- Parents will get information about PFAS exposure, but they will not receive information about their child's performance or scores on the neurobehavioral measures





I'm happy to answer your questions now.

If additional questions arise, you or your neighbors can call Deanna Kulbeth at 719-425-8828 and I can follow-up.

Pediatric Environmental Health Specialty Units (PEHSU) role in PFAS

Presented by Dr. Laurie Halmo

Assistant Professor of Pediatrics, Sections of Hospital Medicine and Medical
Toxicology, University of Colorado School of Medicine.

June 21st, 2021

Community Engagement Strategies and Recruiting

Presented by

Mallory O'Brien, Colorado Department of Public Health and Environment

Deanna Kulbeth, Colorado School of Public Health

June 21st, 2021

Refresher: Recruiting Goals

- We hope to begin study visits in July 2021
- We hope to complete all recruiting and study visits over 1.5 years from July 2021-December 2022
- Target: 1,000 adults, 300 children
- Hope to get a representative sample from all four communities: age, sex, race/ethnicity
- Key eligibility criteria:
 - Ages 4+
 - Not occupationally exposed to PFAS
 - Must have lived in area prior to remediation
 - You can still participate even if you have participated in previous PFAS studies

Advertising Overview

- Targeted recruiting flyers
- Social media campaign
- Websites:
 - <http://co-scope.org/> → study specific
 - <http://pfas-fvc.org/> → info on PFAS in general and studies in Fountain Valley communities, links to specific study websites
- Attendance at community events (e.g., farmers markets)
- Invitation letters sent through water bills
- Invitation letters to people who participated in PFAS-AWARE and the ATSDR Exposure Assessment
- Local newspaper ads
- Community meetings (virtual or in person as COVID allows)
- School's distribution systems (e.g., Peach Jar)
- “Lunch and Learns” with local medical providers



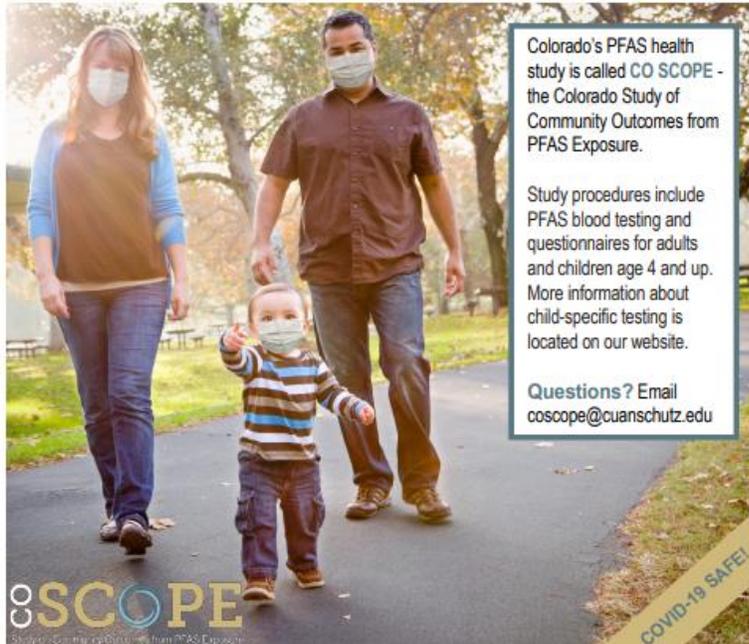
FOR YOUR HEALTH AND COMMUNITY

Sign up for the PFAS health research study

- ▶ Help your community and the country better understand how PFAS (per- and poly-fluoroalkyl substances) affect health.
- ▶ Find out the level of PFAS in your body.
- ▶ Receive up to \$75 in compensation for your time.

FIND OUT MORE AT [CO-SCOPE.ORG](https://co-scope.org)

TAKE THE NEXT STEP. CALL 719-425-8828



Colorado's PFAS health study is called **CO SCOPE** - the Colorado Study of Community Outcomes from PFAS Exposure.

Study procedures include PFAS blood testing and questionnaires for adults and children age 4 and up. More information about child-specific testing is located on our website.

Questions? Email coscope@cuanschutz.edu

SCOPE
Study of Community Outcomes from PFAS Exposure

COVID-19 SAFE!

AYUDE A SU COMUNIDAD

Suscríbese para el estudio de salud de PFAS

- ▶ Ayude a su comunidad y al país a comprender mejor cómo las PFAS (sustancias perfluoroalquiladas y polifluoroalquiladas) afectan la salud.
- ▶ Descubra el nivel de PFAS en su cuerpo.
- ▶ Reciba hasta \$75 a modo de retribución por su tiempo.

OBTENGA MÁS INFORMACIÓN EN [CO-SCOPE.ORG](https://co-scope.org)

PARA DAR EL SIGUIENTE PASO, LLAME AL 719-425-8828



Al estudio de salud de PFAS de Colorado se lo conoce como **CO SCOPE**, el estudio de los resultados comunitarios de la exposición a PFAS de Colorado.

Entre los procedimientos del estudio se incluyen cuestionarios y análisis de sangre de detección de PFAS para adultos y niños de 4 años en adelante.

En nuestro sitio web puede encontrar más información acerca de las pruebas específicas para niños.

¿Tiene preguntas? Envíe un correo electrónico a coscope@cuanschutz.edu

SCOPE
Study of Community Outcomes from PFAS Exposure

¡SEGURIDAD CONTRA COVID-19!

Additional Outreach: CAP Member Ideas

- **Spanish Speaking**
 - Work with the organization *Servicios de La Raza*
 - Contact lead individual of vaccination effort for minority communities in Fountain
 - Post on Fountain city website
 - Spanish radio and Univision TV interviews
 - Spanish flyer via water district mailings and school districts
 - Public Health South facility and WIC Center
 - Communities That Care POC (focuses on youth in Fountain Valley)
- **Veterans**
 - Post in the Security and Fountain Libraries.
 - Post at God's Pantry food pantry
 - Post at the VFW
 - Ghostwrite a letter to be published in the Fountain Valley paper
 - Post in coffee shops
 - El Paso County Progressive Veterans Facebook group/email list
 - Post at Ft. Carson commissary
 - Post in Ft. Carson and Peterson "mountaineer" newspapers
 - Contact/post at American Legion Post 38
 - Post on NextDoor
- **Senior Citizens**
 - Working with FV Senior Center to advertise in their newsletter

Chat

- If we provide you with specific information, would you be willing to post in your NextDoor group or favorite neighborhood Facebook group about the study?

Chat

Outreach: Who are the local healthcare providers?

- Peak Vista
- UCHealth
- Matthews-Vu
- Others?

One-Stop
Shopping
Website is
Published

Let's Check it out:

<http://pfas-fvc.org/>

One-Stop
Shopping
Website is
Published

[Home](#)
[About PFAS](#)
[Study Comparison](#)
[Educational Resources](#)
[Contact](#)

PFAS Research in the Fountain Valley Communities

PFAS is an acronym for chemical compounds known as per- and polyfluoroalkyl substances. These chemicals contaminated the drinking water of four Fountain Valley Communities in El Paso County, Colorado. This area is now the site of four research studies about PFAS. The research will help policy makers develop an enforceable drinking water standard. It will also help prevent and track public health conditions that may be related to PFAS exposure.

Click on a button below to learn more about each study :

CO SCOPE

2019-Present

PFAS-AWARE

2018-2020

ATSDR
EXPOSURE
ASSESSMENT

2019-2021

PFAS-UNITEDD

2018-Present

[Find out if you're eligible to participate in CO SCOPE!](#)

The Colorado Study of Community Outcomes from PFAS Exposure is now recruiting participants. It is a part of a [larger national multi-site study](#) funded by the Agency for Toxic Substances and Disease Registry.

Contact us:

719-425-8828

coscope@cuanschutz.edu

www.co-scope.org

Office Location TBD



Chat

- Does the one-stop shopping website have the type of content you were envisioning?
- How can we make it better?

Please feel free to e-mail us additional comments/suggestions if you think of them after this meeting!

Possible Upcoming Public Meetings

1. Virtual information session about the ATSDR Exposure Assessment results
2. Joint meeting with ATSDR and community members
3. CO SCOPE launch meeting

Discussion:

Do you think having an open house at the new office, with the field team, study staff, CAP members **and/or** community members, is a worthwhile activity?
Should this be before/after a CAP meeting?

PFAS Exposure Assessment Status

Presented by Chris Poulet

Environmental Health Scientist, ATSDR (Denver Office)

June 21st, 2021

A large red speech bubble with a white outline and a downward-pointing tail. The word "Questions?" is written in white, sans-serif font in the center of the bubble. The background of the slide features faint, overlapping concentric circles and dashed lines in light gray.

Questions?



Questions?
Thoughts?
Additional
Concerns?

Chat

Are you knowledgeable about historical use of aqueous film forming foam (AFFF)? Would you be willing to do an informal call?

We would love for you to sign up to be in the study early in the process.

That way we can benefit from your feedback, and you can share your experiences with others!

Possible Dates for Fall CAP Meeting

Please indicate what dates **DO NOT** work for you:

(assume an in-person meeting/6:30 to 8:30 p.m.)

- Tuesday, September 14
- Wednesday, September 15
- Thursday, September 16
- Tuesday, September 28
- Wednesday, September 29
- Tuesday, October 5
- Wednesday, October 6

Poll

Possible Meeting Topics for Fall CAP Meeting

- Update
- CAP's testing experiences/Ideas for improvement
- Recruiting challenges/CAP input
- Public meeting plan
- Other?



Thank You!