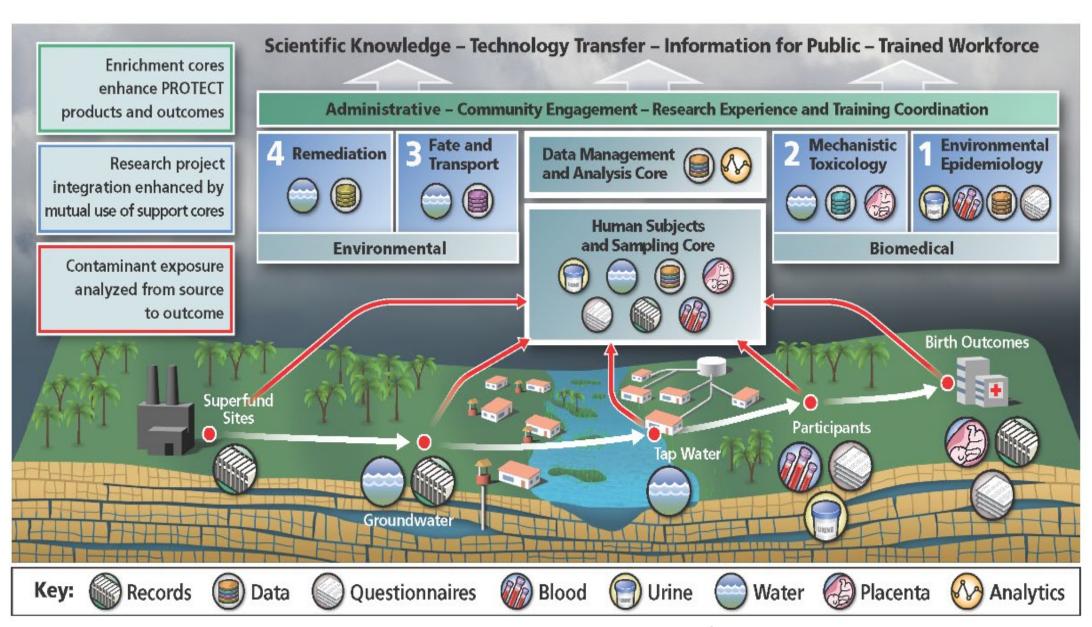
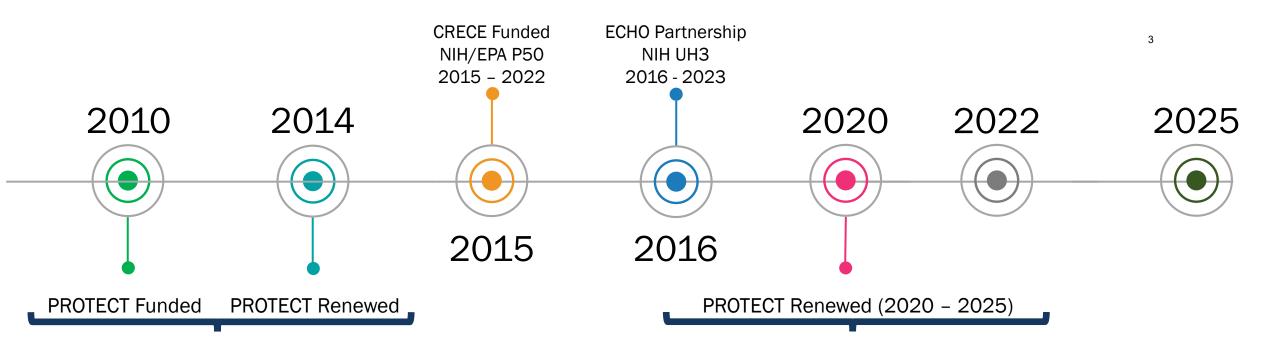


Northeastern University, University of Puerto Rico, University of Georgia, University of Michigan, West Virginia University, Cornell University, Silent Spring Institute, EarthSoft Inc.

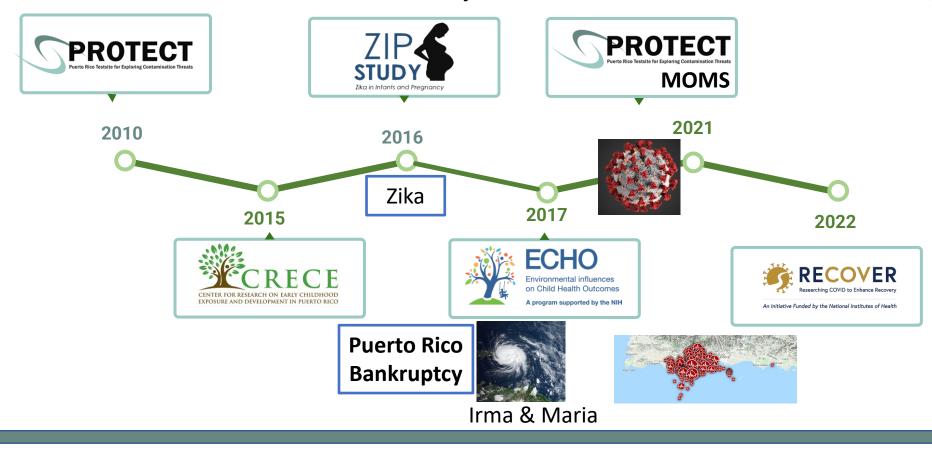




- Chemicals: Phthalates and Chlorinated Solvents
- Health outcome: Preterm Birth
- Biological Mechanisms: Inflammation and Oxidative Stress
- Hydrology: Episodic transport in karst
- Remediation: In Situ Site Remediation

- Chemicals: Phthalates and Chlorinated Solvents + Metals, Pesticides, and PAHs
- **Health outcome**: Adverse Pregnancy Outcomes (including preterm birth, impaired fetal growth, birth weight, preeclampsia, and gestational diabetes)
- Biological Mechanisms: Oxidative Stress
- Hydrology: Extreme weather events + Mixtures transport in karst + more field work
- Remediation: Portable + Point of Use systems
- Other aspects: Mixtures + advanced data analytics methods + Report back (with emphasis on participants' involvement)

# Pregnancy and Children's Environmental Studies, Puerto Rico Timeline, 2010 - 2023

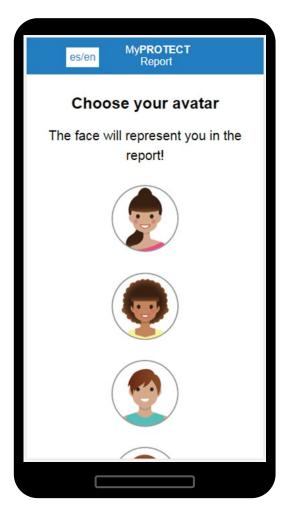


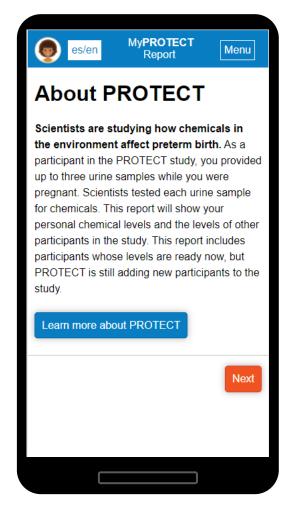




# PROTECT Smartphone Report















MyPROTECT Report

Menu



#### **Phthalates**



Your samples had lower levels of 3 phthalates (BBP, DBP and DEHP) than most others in PROTECT.

What you can do
Avoid plastics in the kitchen. Use
ceramic or glass containers for
food and drinks, and avoid
microwaving food in plastic
containers.

#### What are phthalates?

Some phthalates are added to polyvinyl chloride (PVC) plastics, like vinyl flooring, shower curtains, toys, and food packaging. They make plastic more flexible. Other phthalates are added to personal care products (like perfume and makeup) and printing inks. They help products hold fragrance and color. Some prescription medications have coatings that contain phthalates.

Photos

# How can phthalates affect my health?

Many phthalates can harm the development of the reproductive system in baby boys and affect fertility in adults. Some phthalates are suspected to increase the risk of cancer. Some phthalates contribute to allergies and asthma.

#### What can I do?

- Avoid plastics in the kitchen. Use ceramic or glass containers for food and drinks, and avoid microwaving food in plastic containers.
- Cook more meals at home with fresh ingredients. Chemicals can get into food during processing and from packaging.

More

Previous

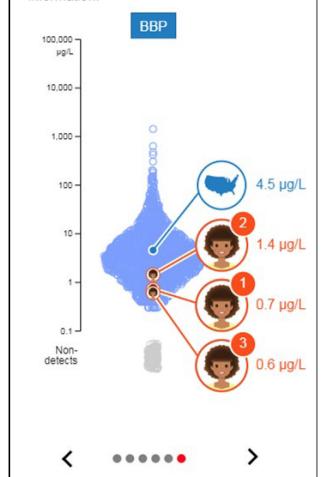


#### **Your Results**

#### Legend

- Your results
- Other women in PROTECT
- Samples where the chemical was not detected

Touch any part of the graph to get more information.



# **Parabenos**

¿DÓNDE SE ENCUENTRA?



Champú y acondicionador



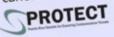


Esmaltes y cosméticos



#### RELACIONADO CON...

- Alergias en la piel
- Alterar el sistema hormonal
- Desarrollo de células cancerosas



## OPCIONES PREVENTIVAS

- Identifique y evite etiquetas que mencionen la palabra parabenos u otras como:
  - Ethylparaben
  - Methylparaben
  - Propylparaben

### Triclosán



Desinfectantes

Desodorante

· Alterar el sistema hormonal

· Contaminación del agua



Cosméticos



Juguetes



Pasta dental



- Alterar el sistema **OPCIONES PREVENTIVAS** hormonal
- Bajo peso al nacer jabón regular por 20 segundos. Desarrollo de células · Evitar productos antibacterianos cancerosas
- antimicrobiales y "odor-killers". · Evitar productos con triclosán nombres en etiquetas como: Biofresh, Microban, Irgasan, Lexo y/o Ster-Zac.

· Lavar las manos con agua y

- OPCIONES PREVENTIVAS Evite etiquetas que mencionen
- Utilice envases de vidrio o libres
- PROTECT

 No callente alimentos en recipientes de plásticos Utilice bolsas reusables de tela







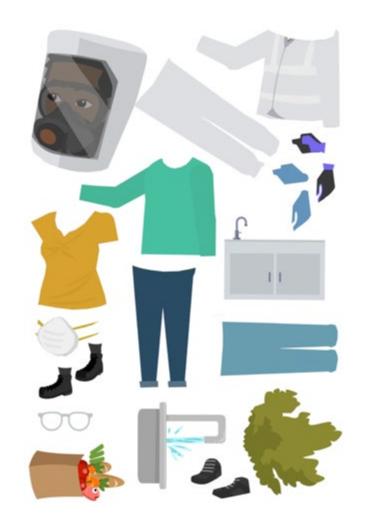
RELACIONADO

· Alergias en la piel

CON.

Asma







# Promoting environmental health awareness:















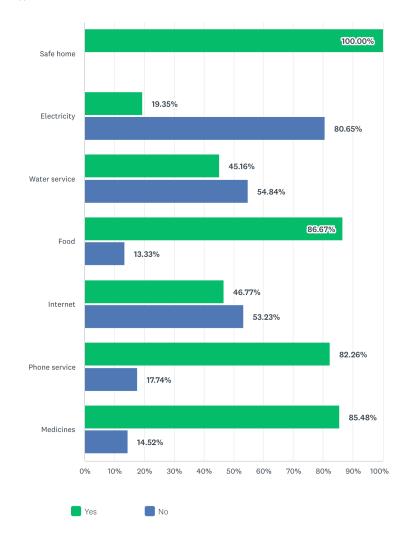


## Response to environmental emergencies:



After hurricane Fiona, do you have the following access:

Answered: 62 Skipped: 0







Community Engagement Core (CEC) members Nobel Hernández Otero and Chrystal Galán Rivera took part in Hurricane Fiona recovery efforts in a visit to the Sabana community in Vega Baja. The visit was organized by <a href="PryMed Medical Care">PryMed Medical Care</a>, a health nonprofit located in Vega Baja and Ciales that PROTECT works with regularly.

# Partnerships





























































### Contact

• Youtube: PROTECT SRP Center

• Facebook: PROTECT Puerto Rico

• Instagram: @protect.pr

• Call Center: (939) 645-1998



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