



National Institute of  
Environmental Health Sciences

# Resources for Change



## CHARTER

Emory, University of Georgia, and Spelman

NIEHS Collaborative  
Centers in Children's  
Environmental Health  
Research and  
Translation



TRANSLATION

RESEARCH

COLLABORATION

# Center for Children's Health Assessment, Research Translation, and Combating Environmental Racism (CHARTER)



EMORY  
UNIVERSITY



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UNIVERSITY OF  
GEORGIA

## Mission

*To develop strategies to translate research findings of importance to CEH to relevant stakeholders in the community, academia and among healthcare providers while mentoring junior investigators both in the ability to conduct rigorous research investigations and to also communicate the results of their work*

# CHARTER Translation Core

## What are you translating?

- Indoor environmental asthma triggers
  - Partnership with R4 PEHSU
- Prescriptions for prevention (RxP)
  - Lead and Safe Cleaning

## How are you translating it?

- Health literacy review
- Social media
- Virtual reality experience

## How are you testing it?

- Field observations
- Focus groups
- UGA Comm Labs



*Rx*escription for Prevention

**PERSONAL CARE PRODUCTS** *Action Plan*

- Personal care products should be kept out of reach of your children.
- Avoid products that have synthetic fragrances. Some of these chemicals can negatively impact one's endocrine (hormones) system.
- Choose regular soap over antibacterial soap.
- For children, apply broad-spectrum sunscreen of at least SPF 15 and wear protective clothing.
- Avoid chemical hair straighteners. Some of the chemicals in these products are corrosive, and can cause irritation and burning.
- When selecting diapers, avoid those with perfume, as these can cause irritation. Minimize chemical use by cleansing with water or unscented wipes.

*Did you know?*  
Personal care products can contain many toxic chemicals, including phthalates and lead.

*For more information* →

**RESOURCES**

Research about your personal care products by looking them up at the Cosmetic Ingredient Review (<https://cir-safety.org/>) or the Environmental Working Group (<https://www.ewg.org/skindeep/>).

If you would like to speak about your concerns about personal care products with a healthcare professional, please call (toll free): 1.877.337.3478 to speak with a member of the Pediatric Environmental Health Specialty Unit at Emory University.

For more information regarding environmental health risk factors, please visit [pehsu.net](http://pehsu.net).

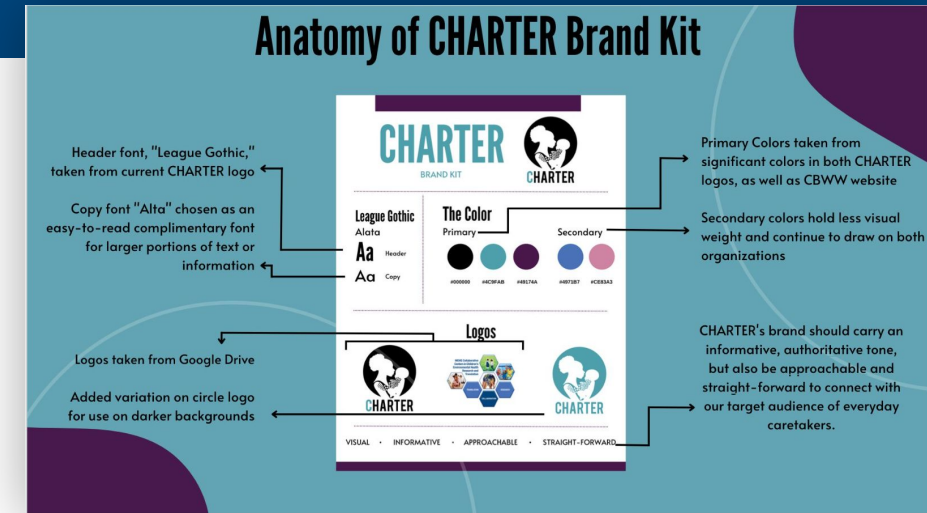
Center for Black Women's Wellness | Emory Pediatric Environmental Health Specialty Unit

Funding provided by CDC/NIH  
5N6477000276-01-00  
NIH/NIH P30-012051

Center for Black Women's Wellness | EMORY UNIVERSITY | PEHSU Pediatric Environmental Health Specialty Unit

## CHARTER Translation Core

- RxP- Prescriptions for Prevention
  - Updated Lead Paint and Safe Cleaning RxPs
  - Integrated community partner (CBWW) feedback
- Social Media (Revamping @KBLBATL efforts)
  - Interns created brand kit and received community partner feedback
  - Using content from RxPs to create social media posts, plans to boost engagement
- Systematic Literature Review
  - To define environmental racism and describe the systemic health effects on children
  - Currently reviewing abstracts through Covidence (~3,300 citation pulls; currently down to ~800)
- VR
  - Mitigating asthma triggers in the home
  - Sharing the reality with victims of environmental injustice
- Pilot Grant Opportunity
  - Easy 2 page Google application (<https://forms.gle/C4PzCkeJWV8pkpvn9>)



# Social Media- Know Better Live Better (@KBLBATL)

We're on:

- Facebook
- Instagram
- Twitter



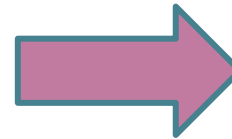
Scan To Follow Us!



# Using Content From RxPs to Develop Social Media Posts

From this (Prescription for Prevention (RxP))

To this (Examples of Social Media Posts)



## Protect Kids' Health: Lead

Lead paint in old homes causes serious problems in kids. If your place was built before 1978, it might have lead paint.

### What Do I Need To Know?


- ✓ Lead can harm a child's brain, learning, and behavior.
- ✓ Keep everyone away from paint that is chipped or peeling
- ✓ Clean paint with a damp cloth to absorb the dust
- ✓ Have chipped paint fixed

### What Do I Need To Do?

- ✓ If your home is older (built before 1978), get it tested for lead
- ✓ Keep everyone away from chipped or peeling paint
- ✓ Peeling paint needs repair right away
- ✓ If you rent, ask your landlord to fix it




If paint in your home looks like this, it might have lead.

**DID YOU KNOW?**  
Lead paint can harm your child's brain, learning, and development. If your home was built before 1978, get it tested TODAY

**CHECK OUT THIS VIDEO**  
for more information



# PROTECTKIDSHEALTH

<https://www.youtube.com/watch?v=d7bwJnhVclY>  
ALSO LINKED IN OUR BIO!





If your walls look like this . . .  
**YOU MIGHT HAVE LEAD PAINT**

Get an 1/6

## AT-HOME LEAD PAINT TEST

at your local hardware store or online for \$15 or less

Use a

## DAMP CLOTH

to remove dust with lead in it




## Systematic Literature Review

### *Goals:*

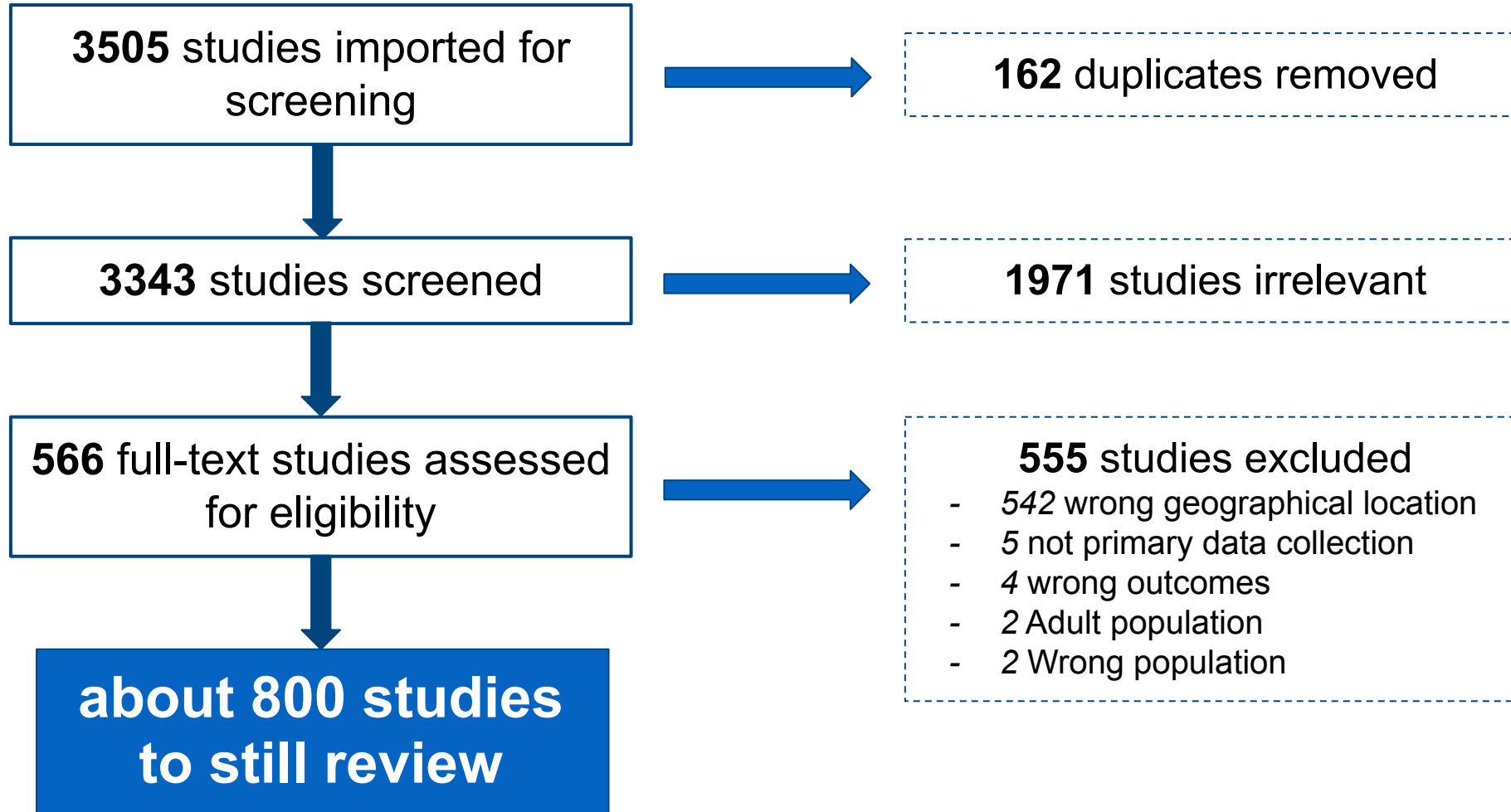
- Synthesize existing literature on how racism influences EH of individuals and communities
- Advance the field of EH by proposing a cohesive definition for environmental racism

### *Key questions:*

- What is environmental racism (concept and measurement)?
- What are its causes or contributing factors?
- What are the impacts on children?
- How do we minimize and/or mitigate its negative consequences?



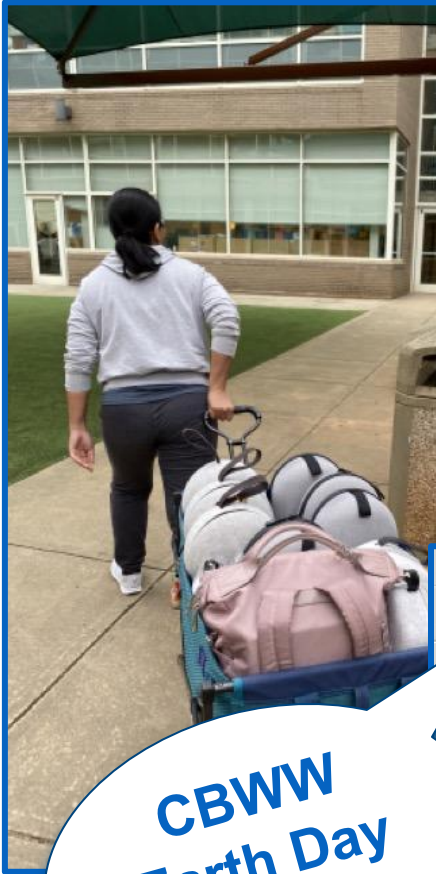
# Systematic Literature Review





# VR - Asthma triggers and Climate issues

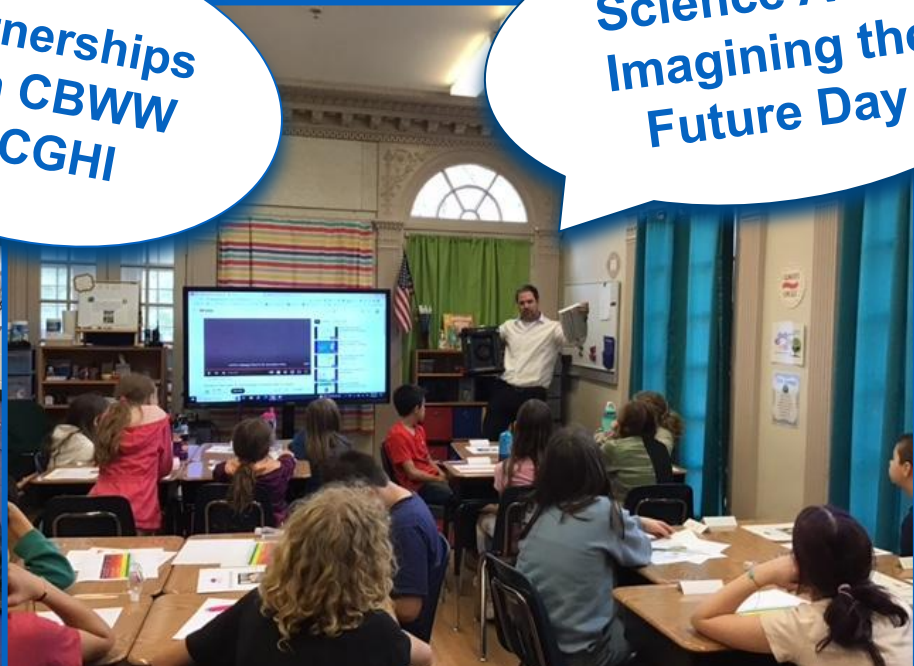
**ATL Science Festival 2023**



**Partnerships with CBWW & CGHI**

**Science ATL's Imagining the Future Day**

**CBWW Earth Day Event**



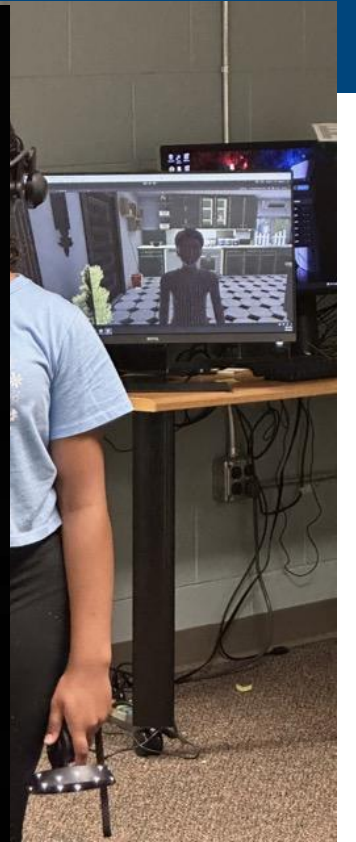
## VR - Current Developments

- Seeking to increase awareness and understanding of how structural racism impacts EH inequities
- For example, discriminatory housing policies in the 1930's ("redlining") and how over time has influenced health disparities
  - industrial and landfill sites
  - food insecurities
  - health resources
  - gentrification
- Critical historical knowledge growth
- Time traveling in VR to cultivate a shared understanding



## VR - Current

- Seeking to understand how structures and environments affect health
- For example, the impact of the 1930's (Great Depression) on the health of the population
  - industrialization
  - food safety
  - health care
  - gentrification
- Critical path to understanding the impact of the environment on health
- Time travel



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**Join us over lunch  
for a VR demo!**

## Cross-Center Collaborations



**Oregon State University**  
ASP<sup>3</sup>IRE Center



**Philadelphia Regional Center for  
Children's Environmental Health**

## Cross-Center Collaborations



Oregon State University  
ASP<sup>3</sup>IRE Center

### Social Media Health Campaigns Class (Jan 9- May 4)

- Two teams (10-12 students/ team)
- Campaigns focused on air quality/pollution in Oregon
- Targeting school administrators, teachers, coaches
- In-depth discussions among students, ASP<sup>3</sup>IRE Center directors, air pollution content experts, parents, school administrators and staff
- Final presentations in early May
- Expand to other centers/organizations in the future



Figure 1. Children during an evacuation from wildfire.



Figure 2. Hazardous air quality generated from a

## Cross-Center Collaborations



### Speaker Series

- Dr. Soroya Julian McFarlane |  
Department of Communication Studies  
(uga.edu)
- Her research focuses on designing  
and evaluating communication  
interventions that address health  
disparities at the community level.



### Short Educational Videos

- Center storymap and potentially  
topic area video(s)

## Pilot Grant

- Interested in communicating important environmental justice topics with stakeholders?
- Want to spread the knowledge in your community?

Apply for the CHARTER Pilot Grant:

Link: <https://forms.gle/C4PzCkeJWV8pkpnv9>

- Just 2 pages!
- \$5,000 to launch your project,  
● \$15,000 to analyze data (+partner with researchers at Emory and UGA)
- Projects must focus on translation → helping people understand environmental justice
- Contact us with ANY questions (charter-tc@uga.edu)



Scan to follow us &  
access our pilot  
grant application!



Thank you!  
Any questions?



**CHARTER**

National Institutes of Health • U.S. Department of Health and Human Services