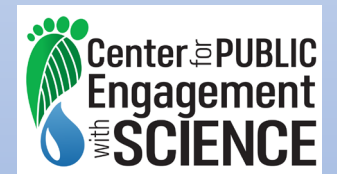




Role of Public Health Education

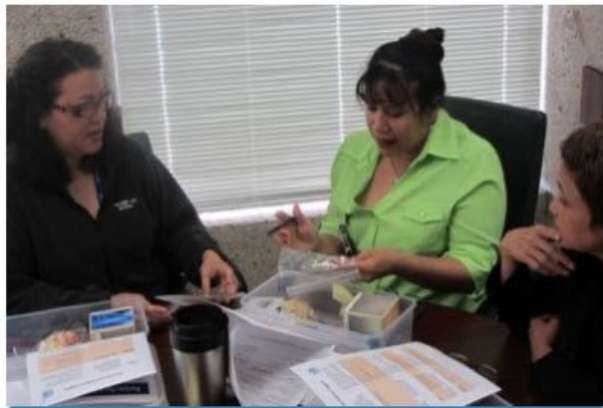
Neasha Graves, MPA
Environmental Health Outreach Manager
UNC IE Center for Public Engagement with Science



Funded by the NC Department of Health and Human Services (contract #45104).

Center for Public Engagement with Science

Informal science education and community engagement



Air Quality



Climate



Energy



Environmental Health

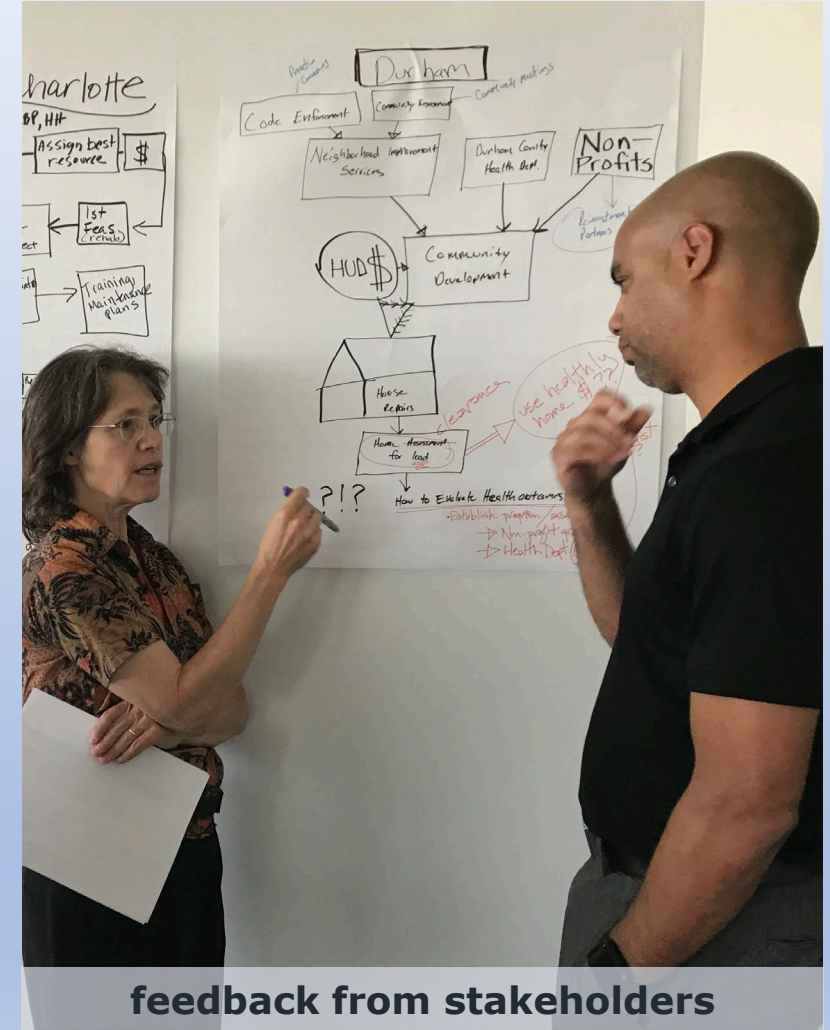


Outdoor Science Learning



Water

Strategies for Addressing Lead & Healthy Homes in High-Risk NC Counties



Defining Public Health Education



Health education is any combination of learning experiences designed to help individuals and communities improve their health, by increasing their knowledge or influencing their attitudes. *~World Health Organization*



There has to be a marriage between health and education. *~Former U.S. Surgeon General Jocelyn Elders*

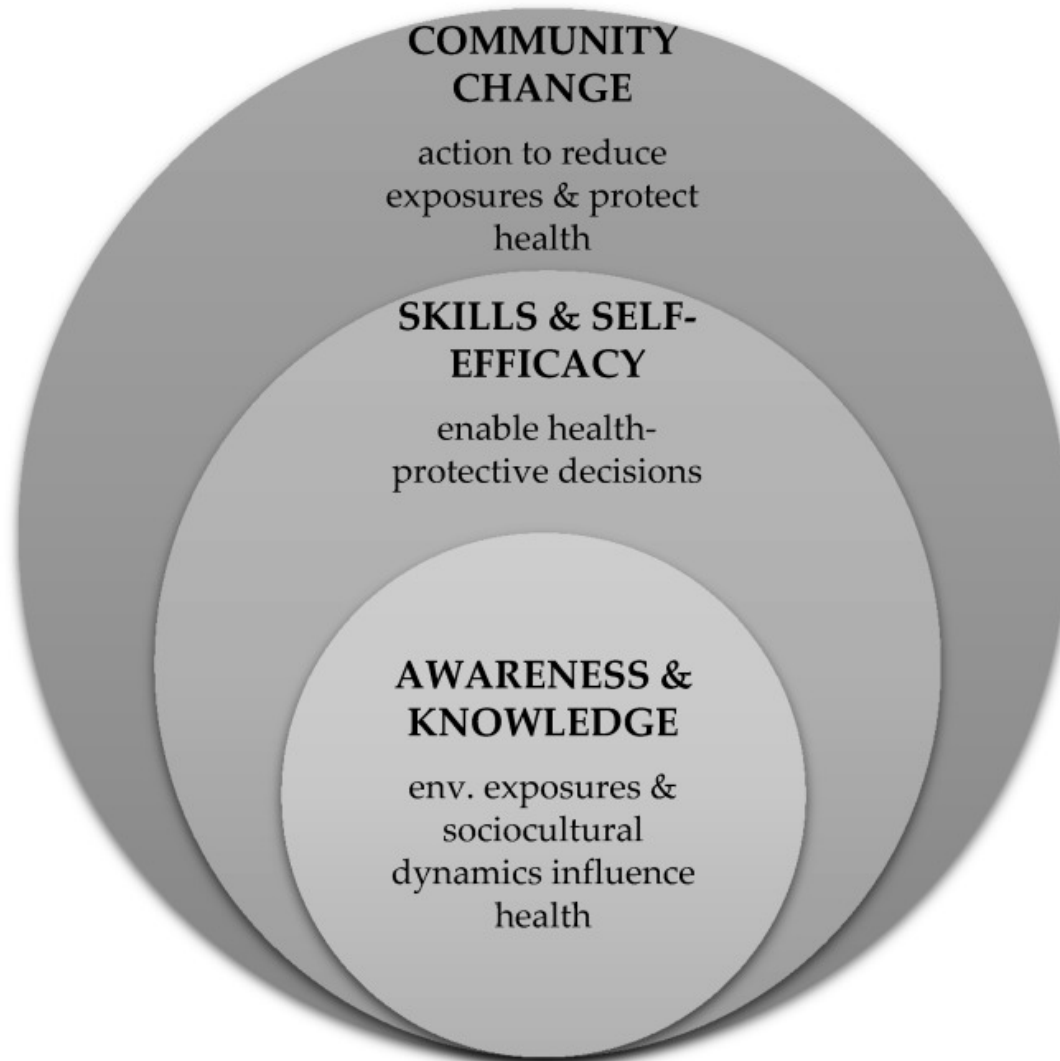
Health Educator Competencies and Responsibilities



- ❖ **Assess** individual and community needs
- ❖ **Plan, implement and evaluate** effective health education programming
- ❖ **Coordinate** health education **services**
- ❖ **Act as a resource** person in health education
- ❖ **Communicate** health education needs, concerns and resources

Promoting environmental health literacy

The ability to connect the environment to one's health and make decisions that impact our health.



Gray, 2018

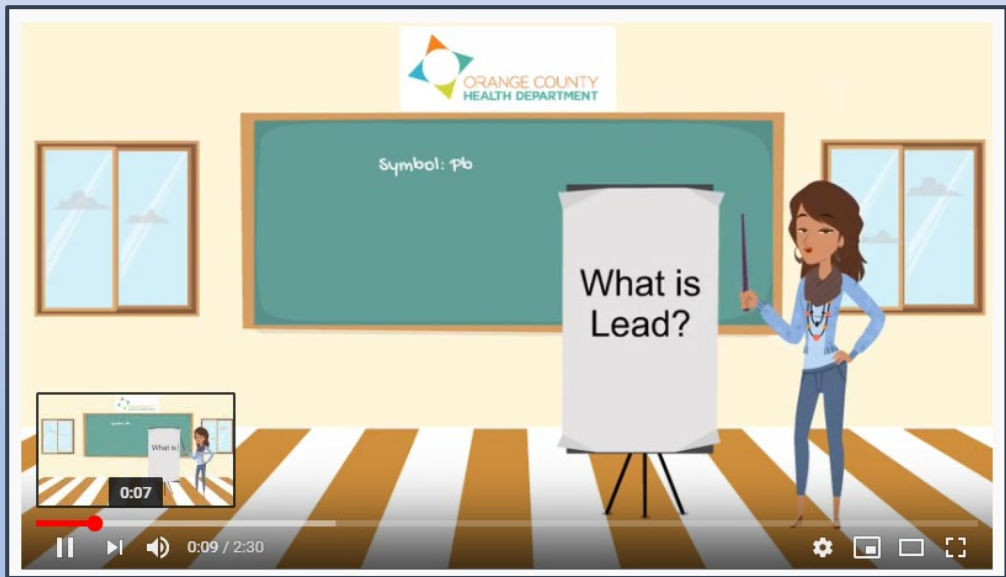
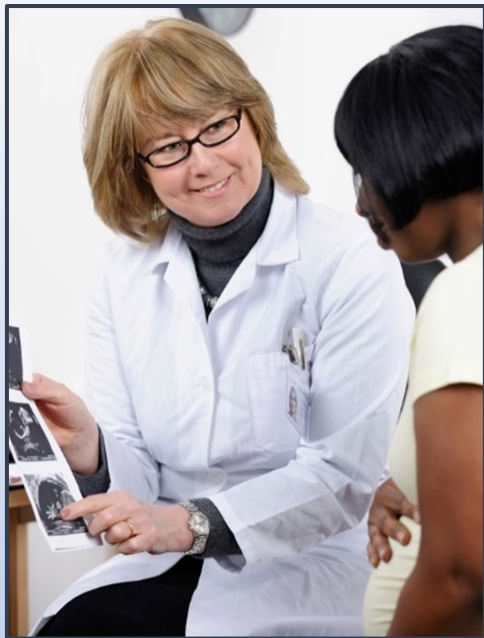
What are we communicating?

Who are we educating? **Who** is impacted?

When are we educating?

Where do we educate?

How do we communicate messaging?



Primary Prevention Foci

- ❖ Source of lead
- ❖ Health effects of lead (why this matters)
- ❖ Steps for reducing exposure
- ❖ Resources (and policies) to help reduce lead exposure

Secondary Prevention Focus

- ❖ Getting young children tested



Hands on learning activities



Educational materials for varied literacy levels

Keeping Lead at Work and Preventing Take-Home Lead Exposure

Lead dust can be carried home on your clothes, shoes, skin and hair and could expose your family, vehicles, and home interiors to lead. Children and pregnant women are especially at risk to health effects of lead exposure.

Be careful what you bring to work
The following personal possessions may become contaminated at work:
watch, glasses, car keys, cell phone, hat, tobacco products, jewelry, and other pocket items

These are items small children may want to play with or put in their mouths. Leave these items at **home** or in your car, or place in a **clean locker room** before work.

The following items may become contaminated at work:

Consider bringing **food, water or clothing** in disposable containers in a **clean plastic bag** in the car or at home. Also, consider using a clean locker room before work.

While at work

- Follow protocols for staying clean during work breaks.
- Protect your personal belongings from lead exposure.
- Do **NOT** eat in work area, keep lunch items in break room.
- Use disposable water sources or what is provided at work.
- Do **NOT** go to car during breaks at work.
- ALWAYS** wash hands and face with soap and water before eating.

ARE YOU PREGNANT?

TAKE ACTION TO PROTECT YOUR BABY FROM LEAD POISONING

- ✓ Eat Healthy Food
- ✓ Use Safe Drinking Water
- ✓ Get a Blood Test
- ✓ Wash Hands

Do not drink, cook, or make baby formula with your tap water if it contains lead.

Reduce levels of lead in your water by flushing pipes after 6-8 hours of nonuse and always use cold water for drinking.

FOR MORE INFORMATION
Contact your child's doctor or your local health department. A list of health departments by county is at: <http://www.nchealth.org/director/>.

Additional resources are available at the NC Department of Health and Human Services, Division of Public Health, Environmental Health Section, Childhood Lead Poisoning Prevention Program. <http://www.ncpublichealth.com/ehs/ehs/index.html#lppp> or 1-888-774-0371.

HEALTHY HOMES
www.healthyhomes.com

Updated March 2017
Funded by the National Center for Environmental Health and Safety, Division of Public Health, Environmental Health Section, Childhood Lead Poisoning Prevention Program.

EL ENVENENAMIENTO POR PLOMO PUEDE SER PREVENIDO

Algunas cosas que Debe y No Debe hacer

PARA MAYOR INFORMACIÓN
Póngase en contacto con el médico de su hijo o con su departamento de salud local. En la siguiente dirección podrá encontrar una lista de los departamentos de salud por condado: <http://www.ncdhs.gov/director/>.

Recursos adicionales están disponibles en el Programa de Prevención de Envenenamiento por Plomo en Niños, Sección de Salud Ambiental, División de Salud Pública del Departamento de Salud y Servicios Humanos. <http://www.ncpublichealth.com/hhcehb/ehs/index.html#lppp> o llamando al 1-888-774-0371.

HEALTHY HOMES
www.healthyhomes.com

Actualizado en marzo de 2017
Financiado por el Centro Nacional para la Salud Ambiental, Sección de Salud Ambiental, División de Salud Pública del Departamento de Salud y Servicios Humanos.

TOME MEDIDAS PARA PREVENIR EL ENVENENAMIENTO POR PLOMO

- ✓ Consuma alimentos saludables
- ✓ Use agua potable segura
- ✓ Realice pruebas de detección de plomo a sus niños
- ✓ Lave manos y juguetes
- ✓ Limpie con agua
- ✓ Deje zapatos en la puerta
- ✓ Contrate a un profesional

No beba, cocine o prepare fórmula para bebés con agua del grifo si contiene plomo.

Disminuya los niveles de plomo en su agua enjugando las tuberías después de seis horas de no uso y siempre use agua fría para beber, cocinar o preparar fórmulas o jugos.

HEALTHY HOMES
www.healthyhomes.com

LEAD

IN SPICES AND OTHER CULTURAL ITEMS

Lead poisoning can cause decreased IQ, attention-related deficits, hearing impairment, kidney disease, and delayed growth and development in children.

SPICES:	HERBAL TEAS AND REMEDIES:	CEREMONIAL POWDERS:	COSMETICS:
Anise Seeds Asafoetida Chili powder/ whole chilies Cinnamon Cloves Coriander	Ash powder Azarcon Bakuti Kesaria Bali Gali Ginseng	Ash powder (Vibhuti) Kum kum Incense Pooja powder Rangoli	Kohl Kajal Sindoor Surma

Some spices, herbal remedies, ceremonial powders, and cosmetics may contain lead, especially those imported from India, Asia, Mexico, and the Middle East.

Prevent **LEAD** Poisoning

Get your child tested for lead at the local health department or doctor's office. Buy spices locally, rather than overseas. Domestic products have stricter safety standards and are more likely to have been screened for heavy metals. Do not use products sent from other countries by family or friends. Keep ceremonial powders and cosmetics that may contain lead out of children's reach. Check products for state or federal agency safety labels. Check for product recalls at www.FDA.gov and www.CPSC.gov.

10/2019

ဟင်းခင်း အမွှေးအကြိုင်များနှင့် အခြားရိုးရာ ယဉ်ကျေးမှုနှင့်ဆိုင်သော အရာများတွင် ပါဝင်သော

LEAD

အန္တရာယ်

Lead poisoning can cause decreased IQ, attention-related deficits, hearing impairment, kidney disease, and delayed growth and development in children.

ဟင်းခင်း အမွှေးအကြိုင်များ	အမွှေးအကြိုင်များ	နိရောဓဆိုင်ရာ အမွှေးအကြိုင်များ	အခြားရိုးရာ ယဉ်ကျေးမှုနှင့်ဆိုင်သော အရာများ
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10/2019

Partnerships that Promote Lead Outreach

NC Lead & Healthy Homes Outreach Task Force



Contact megan.rodgers@unc.edu to join!

- ❖ 30-year-old network
- ❖ Quarterly meetings
- ❖ Membership of state and local health and housing agencies
- ❖ Exchange ideas, address challenges
- ❖ Engage with subject matter experts
- ❖ Forge collaborations
- ❖ Co-develop educational materials
- ❖ Assist in promoting lead outreach initiatives



NIEHS grant #P30ES010126 and
NC DHHS contract #45104

[Carbon Monoxide](#) [Chemical Irritants](#) [Lead](#) [Mold & Moisture](#) [Pests & Pesticides](#) [Radon](#) [Secondhand Smoke](#)

REFUGEES & LEAD



[Click here for translated resources on lead exposure.](#)

[Additional Resources](#)

[Join the Task Force](#)

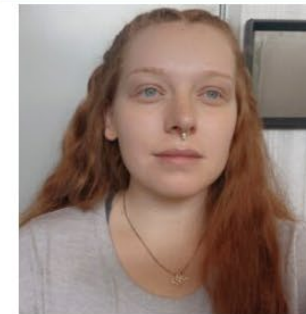
[News You Can Use](#)

NC Healthy Homes

Welcome to the North Carolina Healthy Homes website! This site provides general information to the public on healthy homes issues and is designed to provide health, housing, and community organization professionals access to resources for their work in educating North Carolina residents about maintaining a healthy home and in improving health outcomes.

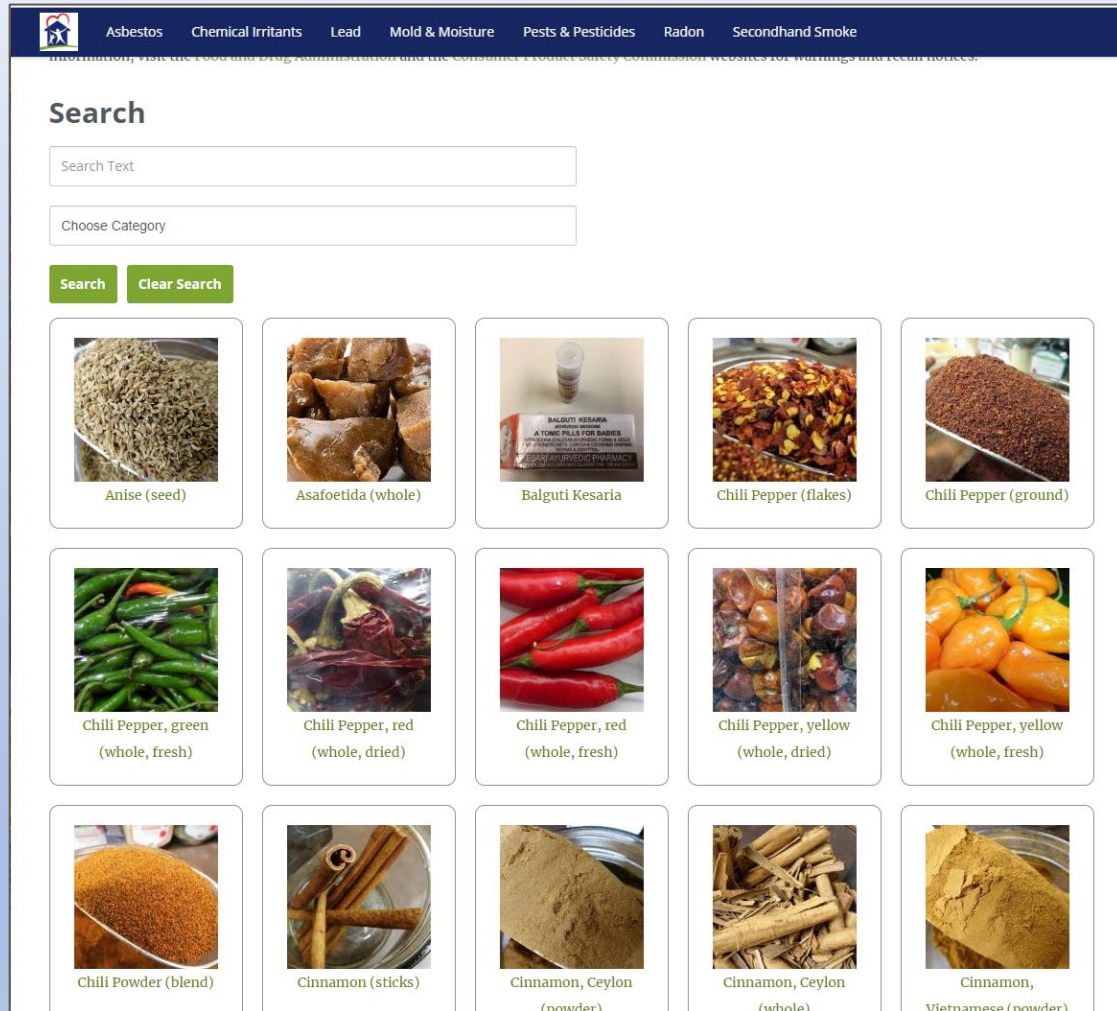


PARTNER SPOTLIGHT

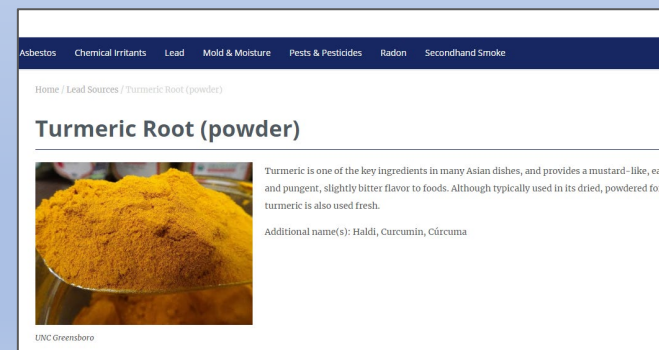


Megan Lee is a Registered Environmental Health Specialist at the Craven County Department of Environmental Health. In this role, she manages the county lead program and conducts

Lead Sources Library



- Educational tool for public health professionals and families
- Visual aid for public health professionals during and after a lead investigation
- Federal recalls and warnings about lead contamination




Other resources on home hazards

Carbon Monoxide Chemical Irritants Lead Mold & Moisture Pests & Pesticides Radon Secondhand Smoke

NEW RESOURCES!

Carbon Monoxide | Learn how it impacts your health and steps you can take to protect your family.



Additional Resources

Join the Task Force

News You Can Use

Request a Free Training

NC Disaster Response and Recovery

UPCOMING EVENTS

MAR 04 2020 Clinical Lead Training
March 4 @ 9:30 am - 4:30 pm

[View More...](#)

North Carolina Resources

Housing Assistance

Find accredited asbestos professionals
Find certified lead professionals

Habitat for Humanity
NC Community Action Association
NC Radon: 828-712-0972

NC Housing Finance Agency
Single Family Rehabilitation Program
Urgent Home Repair Program

NC DHHS Low Income Services
Community Services Block Grant
Crisis Intervention Program – heating and cooling related crisis

Southeast Rural Community Assistance Project, Inc. (SERCAP) – Home and water system repairs
USA.gov – Repairing and Improving a Home

USDA Rural Housing Service
Single Family Housing (William Kenney): 919-873-2041
Single Family Housing Guaranteed Loan Program
Single Family Housing Direct Home Loans
Multi-Family Housing (Byron Waters): 919-873-2055

Weatherization Assistance Program – Helps low-income North Carolinians save energy, reduce their utility bills, and stay safe in their homes.

Services for Immigrant Populations

Carbon Monoxide Chemical Irritants Lead Mold & Moisture Pests & Pesticides Radon Secondhand Smoke

NEW RESOURCES!

Carbon Monoxide | Learn how it impacts your health and steps you can take to protect your family.



Additional Resources

Join the Task Force

News You Can Use

Request a Free Training

NC Disaster Response and Recovery

UPCOMING EVENTS

MAR 04 2020 Clinical Lead Training
March 4 @ 9:30 am - 4:30 pm

Alamance County Resources

Listed below are agencies and organizations that may be able to assist with housing, environmental needs.

Addressing Home Hazards

Pest Management
NC Cooperative Extension: 336-570-6740

Smoking Prevention
Mary Gillett at the Tobacco Prevention and Control Branch: 336-641-6000

Housing Assistance

Burlington Housing Authority, Address: 133 N Ireland Street, Telephone: 336-226-8421
Graham Housing Authority, Address: 109 E Hill Street, Telephone: 336-229-7041
Catholic Charities: 336-222-6868

Maternal, Infant, and Child Health

Care Coordination for Children (CC4C): 336-227-0101
WIC Clinic: 336 570-6745

Developmental Screenings/ Early Intervention Services
Children's Developmental Services: 336-334-5601

Public Health and Environmental Health

Alamance County Healthy Homes: 336-570-6367
Environmental Health Department: 336-570-6367
Health Department: 336-227-0101

Other online resources

The screenshot shows the CDC website for Childhood Lead Poisoning Prevention. At the top left is the CDC logo with the text "Centers for Disease Control and Prevention" and "CDC 24/7: Saving Lives. Protecting People™". A search bar is located at the top right. Below the header is a green banner with the text "Childhood Lead Poisoning Prevention". Underneath is a large image of a young child painting, with a dark overlay containing the text "Childhood Lead Poisoning Prevention Program" and a "Learn more" button. Below this are social media icons for Facebook, Twitter, LinkedIn, YouTube, and Instagram. A "Topics" section contains three buttons: "Lead Poisoning Prevention" (with an information icon), "State & Local Programs" (with a state capitol icon), and "Data & Statistics" (with a bar chart icon).

The screenshot shows a YouTube video player. The address bar displays "youtube.com/watch?v=0lggp_NsbjY". The YouTube logo and a search bar are at the top. The video content features a red HEPA vacuum cleaner on a wooden floor. A blue banner at the top of the video says "HEPA vacuum". A black text box at the bottom of the video frame contains the Spanish text "También necesitamos una aspiradora con filtro HEPA." Below the video player is a light blue information box with a shield icon, containing the text "From a state public health authority" and "Learn how experts define health sources in a journal of the National Academy of Medicine". At the bottom of the page, a white banner reads "Don't Spread Lead: A guide to lead-safe painting, repair, and home improvement for do-it-".

UNC GILLINGS SCHOOL OF GLOBAL PUBLIC HEALTH

Degrees Students Departments Discover Gillings Give Q

NAVIGATE

ACCESSIBILITY

CENTER FOR ENVIRONMENTAL HEALTH AND SUSCEPTIBILITY

Outreach and engagement

IN THIS SECTION CONTACT INFO

The UNC-CEHS Community Engagement Core (CEC) enhances the environmental health literacy of public health professionals, community health workers and vulnerable populations, by increasing their understanding of the Center's environmental health sciences research and empowering them to make informed decisions to reduce harmful environmental exposures in homes and communities. The CEC also fosters dialogue between UNC-CEHS researchers and community partners about Center research to inform responsive research approaches and strategies for communicating CEHS science to community audiences.

ASTHMA

LEAD AND HEALTHY HOMES

ENVIRONMENTAL CANCERS

UNC CPES Lead Outreach Team

Neasha Graves, MPA

neasha_graves@unc.edu



Megan Lane, MEA

megan.lane@unc.edu

**Contact to join NC Lead & Healthy Homes Task Force*



Mitierra Johnson

jmitierr@unc.edu



Kathleen Gray, Director



UNC Center for Public Engagement with Science

<https://ie.unc.edu/cpes/>

<https://nchealthyhomes.com/>

Thank you for participating!

Questions?