Pediatric Environmental History (0-18 Years of Age)

The Screening Environmental History

For all of the questions below, most are often asked about the child's primary residence. Although some questions may specify certain locations, one should always consider all places where the child spends time, such as daycare centers, schools, and relative's houses.

Where does your child live and spend most of his/her time?				-
What are the age, condition, and location of your home?				-
Does anyone in the family smoke?	🗅 Yes	🖵 No	🗅 Not sure	
Do you have a carbon monoxide detector?	🗅 Yes	🖵 No	🗅 Not sure	
Do you have any indoor furry pets?	🗅 Yes	🖵 No	🗅 Not sure	
What type of heating/air system does your home have? A Radiator Forced air Gas stove Wood stove Other				
What is the source of your drinking water? • Well water • City water • Bottled water				
Is your child protected from excessive sun exposure?	🗅 Yes	🗅 No	Not sure	
Is your child exposed to any toxic chemicals of which you are aware?	🗅 Yes	🗅 No	Not sure	
What are the occupations of all adults in the household?				-
Have you tested your home for radon?	🗅 Yes	🗅 No	Not sure	
Does your child watch TV, or use a computer or video game system more than two hours a day?	🗅 Yes	🖵 No	🗅 Not sure	
How many times a week does your child have unstructured, free play outside for at least 60 minutes?				-
Do you have any other questions or concerns about your child's home environment or symptoms that may be a result of his or her environment?				-

Follow up/Notes

The Screening Environmental History is taken in part from the following sources:

- American Academy of Pediatrics Committee on Environmental Health. Pediatric Environmental Health 2nd ed. Etzel RA, Balk SJ, Eds. Elk Grove Village, IL: American Academy of Pediatrics; 2003. Chapter 4: How to Take an Environmental History.
- Balk SJ. The environmental history: asking the right questions. *Contemp Pediatr.* 1996;13:19-36.
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This screening environmental history is designed to capture most of the common environmental exposures to children. The screening history can be administered regularly during well-child exams as well as to assess whether an environmental exposure plays a role in a child's symptoms. If a positive response is given to one or more of the screening questions, the primary care provider can consider asking questions on the topic provided in the Additional Categories and Questions to Supplement the Screening Environmental History, accessible at www.neefusa.org/pdf/PEHlhistory.pdf.



Pediatric Environmental History (0-18 Years of Age)

Additional Categories and Questions to Supplement The Screening Environmental History

For all of the questions below, most are often asked about the child's primary residence. Although some questions may specify certain locations, one should always consider all places where the child spends time, such as daycare centers, schools, and relative's houses.

General Housing Characteristics (For lead poisoning, refer to Table 3.2 in CDC Managing Elevated Blood Lead Levels Among Young Children 1.usa.gov/KAL9Yc)

Do you own or rent your home?	
What year was your home built? (Or: Was your home built before 1978? 1950?)	
Has your child been tested for lead?	🗅 Yes 🗅 No 🗅 Nots
Is there a family member or playmate with an elevated blood lead level?	🗅 Yes 🗅 No 🗅 Nots
Does your child spend significant time at another location? (e.g. baby sitters, school, daycare?)	

sure sure

Indoor home environment (For asthma, refer to Environmental History Form for Pediatric Asthma Patient goo.gl/4JdUls)

If a family member smokes, does this person want to quit smoking?	🗅 Yes 🗅 No 🗅 Not sure
Is your child exposed to smoke at the baby sitters, school, or daycare center?	🗅 Yes 🗅 No 🗅 Not sure
Do regular visitors to your home smoke?	🗅 Yes 🗅 No 🗅 Not sure
Have there been renovations or new carpet or furniture in the home during the past year?	🗅 Yes 🗅 No 🗅 Not sure
Does your home have carpet?	🗅 Yes 🗅 No 🗅 Not sure
Is the room where your child sleeps carpeted?	🗅 Yes 🗅 No 🗅 Not sure
Do you use a wood stove or fire place?	🗅 Yes 🗅 No 🗅 Not sure
Have you had water damage, leaks, or a flood in your home?	🗅 Yes 🗅 No 🗅 Not sure
Do you see cockroaches in your home daily or weekly?	🗅 Yes 🗅 No 🗅 Not sure
Do you see rats and/or mice in your home weekly?	🗅 Yes 🗅 No 🗅 Not sure
Do you have smoke detectors in your home?	🗅 Yes 🗅 No 🗅 Not sure

Air Pollution/Outdoor Environment (For asthma, refer to Environmental History Form for Pediatric Asthma Patient goo.gl/4JdUIs)

ls your home near an industrial site, hazardous waste site, or landfill?	🗅 Yes 🗅 No 🗅 Not sure
Is your home near major highways or other high traffic roads?	🗅 Yes 🗅 No 🗅 Not sure
Are you aware of Air Quality Alerts in your community?	🗅 Yes 🗅 No 🗅 Not sure
Do you change your child's activity when an Air Quality Alert is issued?	🗅 Yes 🗅 No 🗅 Not sure
Do you live on or near a farm where pesticides are used frequently?	🗅 Yes 🗅 No 🗅 Not sure



Food and Water Contamination

If you use well water for drinking, when was the last time the water was tested? Coliform bacteria Other microbials Nitrites/nitrates Arsenic Pesticide	S
For all types of water sources:	
Have you tested your water for lead?	🗅 Yes 🗅 No 🗅 Not sure
Do you mix infant formula with tap water?	🗅 Yes 🗅 No 🗅 Not sure
Which types of seafood do you normally eat?	
How many times per month do you eat that particular fish or shellfish?	
How many times a week do you eat any of the following types of fish? Shark Swordfish Tile fish King mackerel Albacore tuna Other	
How often do you wash fruits and vegetables before giving them to your child?	
What type of produce do you buy? 🗅 Organic 🗅 Local 🗅 Grocery store 🗅 Other	

Toxic Chemical Exposures (Also refer to Taking an Environmental History and Environmental and Occupational History in Recognition and Management of Pesticide Poisonings)

Consider this set of questions for patients with seizures, frequent headaches, or other unusual or chronic symptoms

How often are pesticides applied inside your home?	
How often are pesticides applied outside your home?	
Where do you store chemicals/pesticides?	
Do you often use solvents or other cleaning or disinfectant chemicals?	
Do you have a deck or play structure made from pressure treated wood?	🗅 Yes 🕒 No 🗅 Not sure
Have you applied a sealant to the wood in the past year?	🗅 Yes 🕒 No 🗔 Not sure
What do you use to prevent mosquito bites to your children?	
How often do you apply that product?	

Occupations and Hobbies

Do any adults work around toxic chemicals?	🗅 Yes 🕒 No 🗔 Not sure
If so, do they shower and change clothes before returning home from work?	🗅 Yes 🕒 No 🗅 Not sure
Does the child or any family member have arts, crafts, ceramics, stained glass work or similar hobbies?	🗅 Yes 🕒 No 🗅 Not sure

Health Related Questions

Have you ever relocated due to concerns about an environmental exposure?	🗅 Yes 🗔 No 🗔 Not sure
Do symptoms seem to occur at the same time of day?	🗅 Yes 🗔 No 🗔 Not sure
Do symptoms seem to occur after being at the same place every day?	🗅 Yes 🗔 No 🗅 Not sure
Do symptoms seem to occur during a certain season?	🗅 Yes 🕒 No 🗅 Not sure
Are family members/neighbors/co-workers experiencing similar symptoms?	🗅 Yes 🗔 No 🗔 Not sure
Are there environmental concerns in your neighborhood, child's school, or day care?	🗅 Yes 🗔 No 🗅 Not sure
Has any family member had a diagnosis of any of the following? Asthma Autism Cancer Learning disability	
Does your child suffer from any of the following recurrent symptoms? □ Cough □ Headaches □ Fatigue □ Unexplained pain	



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Advisory Committee

- James Roberts, MD, MPH, (Chair) Medical University of South Carolina
- Sophie Balk, MD, Albert Einstein College of Medicine, The Children's Hospital at Montefiore
- Ruth Etzel MD, PhD, George Washington University, School of Public Health & Health Services
- Joel Forman, MD, Mount Sinai Medical Center
- Christine Johnson, MD, Uniformed Services University of the Health Sciences
- Lillian Mood, RN, MPH, Retired Public Health Nurse and Community Liaison
- Bonnie Rogers, DrPH, FAAN, University of North Carolina at Chapel Hill, School of Public Health

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