



## **APPENDIX AVAILABLE ON REQUEST**

### **Research Report 152**

#### **Evaluating Heterogeneity in Indoor and Outdoor Air Pollution Using Land-Use Regression and Constrained Factor Analysis**

**Jonathan L. Levy et. al.**

#### **Appendix E. Supplemental Questionnaire Derived from ACCESS Prenatal Questionnaire and Administered Directly to Noncohort Air Pollution Study Participants to Gather Housing Characteristics and Occupant Behavior Data**

Note: Appendices Available on the Web appear in a different order than in the original Investigators' Report. HEI has not changed these documents. Appendices were relettered as follows:

Appendix D was originally Appendix A  
Appendix E was originally Appendix B  
Appendix F was originally Appendix C  
Appendix G was originally Appendix D

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Although this document was produced with partial funding by the United States Environmental Protection Agency under Assistance Award CR-83234701 to the Health Effects Institute, it has not been subjected to the Agency's peer and administrative review and therefore may not necessarily reflect the views of the Agency, and no official endorsement by it should be inferred. The contents of this document also have not been reviewed by private party institutions, including those that support the Health Effects Institute; therefore, it may not reflect the views or policies of these parties, and no endorsement by them should be inferred.

This document was reviewed by the HEI Health Review Committee  
but did not undergo the HEI scientific editing and production process.

Appendix B: Supplemental questionnaire derived from ACCESS prenatal questionnaire and administered directly to non-cohort air pollution study participants to gather housing characteristics and occupant behavior data.

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**SECTION A: PHYSICAL ENVIRONMENT**

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- A1. How many rooms are in your home? Please do not count bathrooms, porches, balconies or hallways
- A1a. Of these rooms, how many are bedrooms (a room where someone sleeps)?
- A2. About when was this building originally built? Do not count remodeling, additions, or conversions.
- 1 – Before 1900
  - 2 – 1900 to 1949
  - 3 – 1950 to 1969
  - 4 – 1970 or later
- A3. Is there insulation in the walls of your dwelling?
- 0 – No
  - 1 – Yes
- A4. What is the main type of heating fuel in your home?
- 1 – Gas
  - 2 – Electricity
  - 3 – Fuel Oil
  - 4 – Coal
  - 5 – Wood
  - 6 – Other, specify: \_\_\_\_\_
- A5. What is the main heating system in your home?
- 1 – Forced Air (central system with ducts that blow air into most rooms)
  - 2 – Steam or hot water (either radiator or baseboard)
  - 3 – Electric baseboard
  - 4 – Other, specify: \_\_\_\_\_

A6. What kind of cooking fuel do you use in your home?

- 1 – Gas
- 2 – Electric
- 3 – Other, specify: \_\_\_\_\_

**(IF THE ANSWER TO A6 IS “1 – GAS”, THEN ASK QUESTION A6a)**

A6a. If you have a gas stove or range, does this appliance have a continuously burning pilot light?

- 0 – No
- 1 – Yes
- 2 – No, has an electric starter
- 3 – No, I light it with a match

A7. Does the (house/apartment) have open cracks or holes in the inside walls or ceilings? (*Cracks thicker than a dime.*)

- 0 – No
- 1 – Yes

A8. Does the (house/apartment) have holes in the floors? (*Big enough for someone to trip in*)

- 0 – No
- 1 – Yes

A9. Does the (house/apartment) have any area of peeling paint or broken plaster bigger than 8 inches by 11 inches? (*the size of a standard letter*)

- 0 – No
- 1 – Yes

A10. How is the space in your home?

- 1 – Very crowded
- 2- Slightly crowded
- 3- Just about right
- 4 - A little too large
- 5- Much too large