HE

APPENDIX AVAILABLE ON REQUEST

Research Report 152

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

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Appendix D. Questionnaire Administered to 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.

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Appendices

Appendix A: Questionnaire administered to air pollution study participants to gather housing characteristics and occupant behavior data.

ES1. <u>During the past week, counting yourself</u>, how many people spent more than 4 hours per day, on average, in your home?

		people
a)	How many of these people are adults (age 18 and older)?	
		adults

b) How many of these people are children (age 17 or under)?

____ children

ES2. On a typical day <u>during the past week</u>, about how many hours did <<CHILD>> spend:

at home?

____ hours

at someone else's home?

____ hours

If more than four hours:

Where is this home located (street and city)?

at day care?

____ hours

If more than four hours:

Where is the day care facility located (street and city)?

in transportation (like a car, bus, or train)? _____ hours outdoors?

hours

ES3. <u>During the past week</u>, approximately how many cigarettes per day were smoked, in total, by all smokers inside your home?

1 - Less than $1\ {\rm cigarette}\ {\rm per}\ {\rm day}$

- 2 1 to 4 cigarettes per day
- 3 5 to 14 cigarettes per day
- 4 15 to 24 cigarettes per day
- 5 25 cigarettes or more per day
- 9 Don't know

ES4. <u>During the past week</u>, how many days did you use your stove or oven for cooking?

ES5. <u>During the past week</u>, how many days did you use your stove or oven for frying, grilling, sautéing, or broiling?

ES6. <u>During the past week</u>, what was the average length of time that you used your stove or oven for cooking each day?

ES7. <u>During the past week</u>, did you ever use a charcoal grill inside your home?

0 – No 1 – Yes 9 – Don't Know

ES8. <u>During the past week</u>, did you ever cook meat?

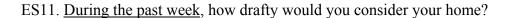
0 – No 1 – Yes 9 – Don't Know

ES9. <u>During the past week</u>, did you use the exhaust fan when cooking?

0 – No 1 – Yes 9 – Don't Know

ES10. During the past week, did you burn any food (like toast)?

0 – No 1 – Yes 9 – Don't Know



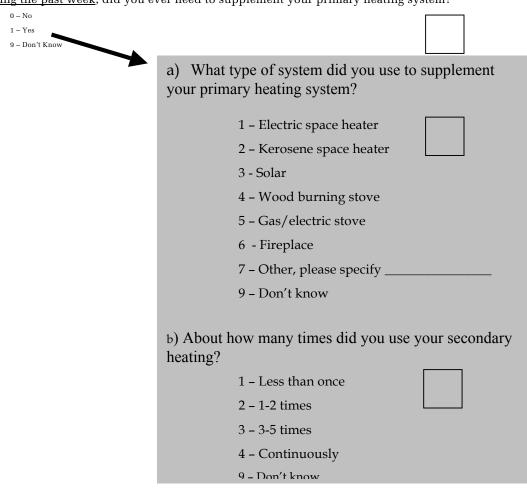
- 1 Very drafty
- 2 About average
- 3 Not drafty at all
- 9 Don't know

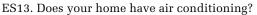
____ days

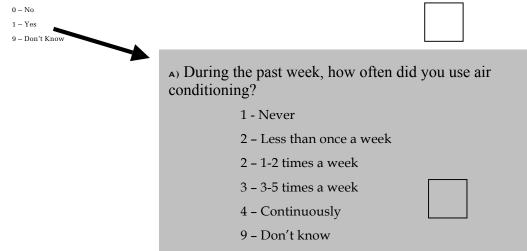
____ days

____ hours ____ minutes

ES12. <u>During the past week</u>, did you ever need to supplement your primary heating system?





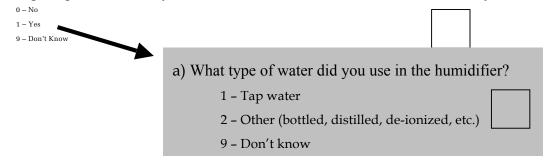


ES14. During the past week, on average, about how many hours were the windows open?

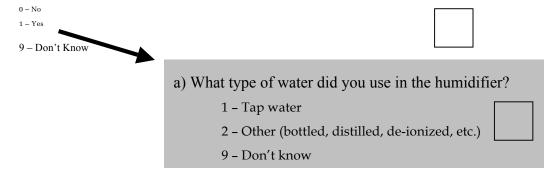
1 - Less than 1 hour

- 2 1-4 hours
- 3 5-12 hours
- 4 More than 12 hours
- 9 Don't know

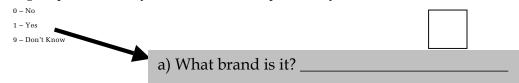
ES15. During the past week, did you use an ultrasonic or "cool mist" humidifier in your home?



ES16. During the past week, did you use a "warm mist" humidifier in your home?



ES17. <u>During the past week</u>, did you use an air cleaner/ purifier in your home?



ES18. During the past week, about now often and you out realistics of meenses

- 1 Never
- 2 Less than once a week
- 3 1-2 times a week
- 4 3-5 times a week
- 5 Every day
- 9 Don't know

ES19. During the past week, did members of your family regularly wear shoes inside the house?

0 – No 1 – Yes 9 – Don't Know

ES20. <u>During the past week</u>, did members of your family engage in any of the following cleaning activities:

Circle the appropriate answer in the boxes below.

a) Swept floors in your home?	0 – No	1 – Yes	9 – Don't Know
b) Washed floors in your home?	0 – No	1 – Yes	9 – Don't Know
c) Dusted surfaces?	0 – No	1 – Yes	9 – Don't Know
d) Vacuumed?	0 – No	1 – Yes	9 – Don't Know
e) Washed or cleaned upholsteries	0 – No	1 – Yes	9 – Don't Know
(like furniture or drapes)?			