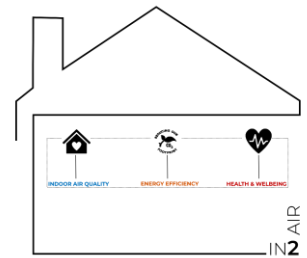


## In2Air

The impact of 'net-zero' household energy intervention on indoor air quality, occupant self-reported general health and wellbeing, and household energy use.

PHR Project: NIHR153617



## Survey Tools & Questions

### Survey 1 & 2

**When:** at commencement of baseline monitoring activity (note: survey split into two to allow the participant a break from answering questions and to allow other activity, such as installing AQ monitoring equipment).

**How:** the questionnaire will be delivered by the researcher working directly with the participant. Responses to questions will be entered directly into the online forms via the researcher's password protected IT device or using hard copy for subsequent transfer to into the online forms.

**Where:** Face to face in the participants home.

### Survey 3

**When:** at end of baseline monitoring activity on collection of units.

**How:** the questionnaire will be delivered by the researcher working directly with the participant. Responses to questions will be entered directly into the online forms via the researcher's password protected IT device or using hard copy for subsequent transfer to into the online forms.

**Where:** Face to face in the participants home.

## Survey 1

(to be completed by the lead participant in the project)

Household and Participant Reference Code: .....

### Introduction

This questionnaire will take up to 20 minutes to complete. It is made up of 3 sections which cover: who lives here, the home environment and residents' activities. The information will assist us in interpreting the results of the air, fuel, health and wellbeing data collected as part of the In2Air study. Please respond 'decline' to any questions that you prefer not to answer. The information you provide will be completely confidential to the researchers. Your answers will be combined with the answers of other study participants and reported in such a way that it will not identify you.

### Section 1: Occupants of the household

1. How many people live in the property for at least 5 days in a typical week?

*[Note: questionnaire set up online for more than one response where multiple occupants in the property]*

2. Please indicate the number in each age group and gender:

	M	F
<16		
16-25		
25 – 34		
35-44		
45-54		
55-64		
65 or over		

3. In a typical week, how many hours are you usually out of the home each day?

### Occupant 1

Day	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
Hours out of the home (occupant 1)							

### Occupant 2

Day	Mon	Tue	Wed	Thurs	Fri	Sat	Sun
Hours out of the home (occupant 2)							

## Section 2: The home environment and residents' activities

### Introduction

This section is split into four parts (Part A, B, C and D). We will ask you questions about heating and energy patterns, ventilation and dampness of your home and any activities that might influence the indoor air freshness.

#### A. Heating and energy use patterns

**A1.** What is the **main** way you **heat** this property during the winter?

Central Heating:

1. Gas	
2. Oil	
3. Solid Fuel	
4. Electric (storage)	

Fixed Room Heaters:

1. Electric (storage)	
2. Gas	
3. Electric (other than storage)	
4. Solid fuel (open fire/enclosed stove)	

Portable Heaters:

1. Electric	
2. Bottled gas/paraffin	
3. Oil filled	
4. Other portable heaters	

Other:

1. Communal or district heating	
2. Other (specify)	
3. Don't know	

**A2.** Do you use any supplementary heating devices (e.g. electric fan heater/oil filled radiators, electric blanket etc) in the house?

1. Yes	
2. No	

If yes **A2a.** What supplementary heating devices do you use

--

**A3.** Has your energy use behaviour changed as a result of the current energy crisis and recent increase in energy prices?

1. Yes	
2. No	
3. Don't know	

**A4.** Which of the following statements best describes your recent efforts to reduce the amount of fuel you use to heat your home?

1. I haven't tried to reduce my usage	
2. I have tried to reduce my usage, but have found it hard to achieve	
3. I have reduced my usage, but could reduce it further	
4. I have reduced my usage as much as I possibly can	
5. Don't know	

**A5.** Which of the following statements best describes your recent efforts to reduce the amount of electricity you use (other than for heating)?

1. I haven't tried to reduce my usage	
2. I have tried to reduce my usage, but have found it hard to achieve	
3. I have reduced my usage, but could reduce it further	
4. I have reduced my usage as much as I possibly can	
5. Don't know	

## **B. Temperature**

**B1.** Would you generally describe the temperature in your home in summer as....

1. Uncomfortably cold	
2. Comfortably cool	
3. Comfortable	
4. Comfortably warm	
5. Uncomfortably hot	

**B2.** Would you generally describe the temperature in your home in winter as....

1. Uncomfortably cold	
2. Comfortably cool	
3. Comfortable	
4. Comfortably warm	
5. Uncomfortably hot	

**B3.** Are there any rooms in the home that are significantly warmer or cooler than the other rooms in the home? (Please indicate the room and if it is warmer or cooler)

Room	Warmer	Cooler

**B4.** In **Summer**, how do you cool rooms in your home when too hot?

1. Open windows	
2. Use portable air conditioning unit	
3. Use fans	
4. Other (please specify)	
5. Have not needed to cool rooms	

**B5.** On average, how often, if at all, do you leave any of the windows in your home open in **Winter** just to let in cooler air because your home is too hot?

1. Every day	
2. Most days	
3. Occasionally	
4. Never	
5. Don't know	

**B6.** On average, how often, if at all, do you leave any of the windows in your home open in **Winter** to let in fresh air or for any other reason.

1. Every day	
2. Most days	
3. Occasionally	
4. Never	
5. Don't know	

**B7.** During the **Winter** months, do you generally find that your heating keeps you warm enough at home, or not?

1. Yes, always	
2. Most of the time	
3. Only some of the time	
4. No, never	
5. Don't know	

**B8.** Overall, how happy are you with the temperature in the home?

1. Very happy	
2. Happy	
3. Satisfied	
4. Unhappy	
5. Very unhappy	

**C. Ventilation and air quality**

**C1.** Generally, how would you describe the air in the home:

[Very]	2	[Neutral]	4	[Very]
--------	---	-----------	---	--------

---

	1		3		5	
a) Dry						Humid
b) Stale						Fresh
c) Odourless						Smelly
d) Still						Draughty

**C2.** Typically, do you do the majority of your laundry at home?

1. Yes	
2. No	

**C3.** Typically, how do you dry your clothes in **summer**? Select up to **2** options

1. On an airer in the house	
2. On a radiator / towel rail	
3. Outside	
4. Tumble drier vent to outside	
5. Tumble drier internal vent	
6. Tumble drier condenser	
7. Other – please specify	
<b>Detail of other:</b>	

**C4.** Typically, how do you dry your clothes in **winter**? Select up to **2** options

1. On an airer in the house	
2. On a radiator / towel rail	
3. Outside vent to outside	
4. Tumble drier	
5. Tumble drier internal vent	
6. Tumble drier condenser	
7. Other – please specify	
Detail of other:	

**C5.** Do you use a humidifier or a de-humidifier?

	a) Humidifier	b) De-humidifier
1. Often		
2. Sometimes		
3. Rarely		
4. Never		
5. Don't know		
<b>If yes, detail on where used:</b>		

**C6.** Have you noticed any **condensation** on the windows/walls/ceiling?

	a) Windows	b) Walls/ceiling
1. Often		
2. Sometimes		
3. Rarely		
4. Never		
5. Don't know		
<b>If yes, detail on room/s affected:</b>		

**C7.** Have you noticed any **damp patches** on the internal walls (on any wall inside your home)?

1. Often	
2. Sometimes	
3. Rarely	
4. Never	
5. Don't know	

If yes, **C7** Which rooms are affected?

**C8.** Have you noticed any **mould** on the walls/ceilings?



1. Very abundant	
2. Common	
3. Occasional	
4. Rare	
5. No	
6. Don't know	

If yes, **C8** Which rooms are affected?

--

**C9.** Does anyone usually smoke outside this property?

1. Yes	
2. No	
3. Don't Know	

If yes, **C9** how many people commonly smoke outside this residence?

--

**C10.** Does anyone usually vape indoors?

1. Yes	
2. No	
3. Don't Know	

If yes, **C10** how many people commonly vape inside this residence?

--

**C11.** What is your primary/main source of fuel for cooking (please select one category only)

1. Gas	
2. Electricity	
3. Both gas and electric (e.g. electric oven/ gas hob)	
4. Solid fuel (e.g. kerosene, diesel, coal, wood)	
5. Other - Please provide more details	

**Details of other**

**C12.** Do you have an extractor fan in the kitchen?

1. Yes / extractive	
2. Yes / recirculating	
3. Yes / don't know which type	
4. Yes - other	
5. No	

If yes, **C12** Where is it located (e.g. over the hob, in a window)?

--

If yes, **C12** how often do you use the extractor fan when cooking?

1. Often	
2. Sometimes	
3. Rarely	
4. Never	

**C13.** Do you open a window or back door when cooking?

1. Often	
2. Sometimes	
3. Rarely	
4. Never	

**C14.** Do you close the internal kitchen door when cooking?

1. Often	
2. Sometimes	
3. Rarely	

4. Never	
5. N/A (e.g. No internal door)	

**C15.** Do you have an extractor fan in your bathroom?

1. Yes	
2. No	

If yes, **C15** How often do you use the extractor fan in your bathroom?

1. Comes on automatically	
2. Often	
3. Sometimes	
4. Rarely	
5. Never	

**C16.** Do you regularly (typically once a week or more) use air fresheners, or burn candles, incense, or similar products in your home? Please select all that apply.

1. No	
2. Candles	
3. Burning of incense or similar product	
4. Diffuser (plug-in diffuser, reed diffuser or similar products)	
5. Sprays (e.g. air freshener spray, fabric freshener spray)	
6. Other (e.g. powder carpet fresheners) please provide more details	
<b>Detail of other scented products used:</b>	

**End of Questionnaire**

## Survey 2

### Introduction

Survey 2 will take up to 30 minutes to complete. It is made up 2 sections which cover: your views about your health, how you feel and how well you are able to do your usual activities and finally some questions relating to you and your household's use of different health and social care services, and time off work due to ill health. The information will assist us in interpreting the results of the air, fuel, health and wellbeing data collected as part of the In2Air study. Please respond 'decline' to any questions that you prefer not to answer. The information you provide will be completely confidential to the researchers. Your answers will be combined with the answers of other study participants and reported in such a way that it will not identify you.

*Section 1 should be completed **individually** by each member of the household*

- SF36-v2 will take up to 15 minutes to complete
- ICECAP-A will take up to 5 mins to complete

*Section 2 can be completed by **the lead participant** in the project*

- This will take up to 10 minutes to complete

### Section 1: Quality of life

#### Introduction

In this section we will ask you some questions about your views about our health, how you feel and how well you are able to do your usual activities. **There are no right or wrong answers.** Some questions will seem more relevant to you than others, or you may be unsure about how to answer, but please try to answer all the questions as best you can.

#### SF36-v2. Quality of life questionnaire

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## Quality of Life Questionnaire (SF-36v2 Health Survey)

*This survey asks for your views about your health, how you feel and how well you are able to do your usual activities. Answer every question by checking the appropriate response. There are no right or wrong answers. If you are unsure about how to answer a question, please give the best answer you can.*

<b>Date of visit</b> <i>dvdate</i>												
<b>1. In general, would you say your health is:</b> <i>health</i>												
Excellent 1 <input type="checkbox"/>	Very Good 2 <input type="checkbox"/>	Good 3 <input type="checkbox"/>	Fair 4 <input type="checkbox"/>						Poor 5 <input type="checkbox"/>			
<b>2. Compared to one year ago, how would you rate your health in general now?</b> <i>rthlth</i>												
Much better 1 <input type="checkbox"/>	Somewhat better 2 <input type="checkbox"/>	About the same 3 <input type="checkbox"/>	Somewhat worse 4 <input type="checkbox"/>						Much worse 5 <input type="checkbox"/>			
<b>3. The following questions are about activities you might do during a typical day. <u>Does your health now limit you in these activities?</u> If so, how much?</b>												
			Yes, limited a lot	Yes, limited a little			No, not limited at all					
<b>a. <u>Vigorous activities</u>, such as running, lifting heavy objects, participating in strenuous activities.</b> <i>vgract</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>b. <u>Moderate activities</u>, such as moving a table, pushing a vacuum cleaner, bowling, or playing golf</b> <i>mdract</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>c. Lifting or carrying groceries</b> <i>lcgroc</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>d. Climbing <u>several</u> flights of stairs</b> <i>cmstair</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>e. Climbing <u>one</u> flight of stairs</b> <i>csstair</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>f. Bending, kneeling, or stooping</b> <i>bdknstp</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>g. Walking <u>more than a mile</u></b> <i>wlkmf</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					
<b>h. Walking <u>several hundred yards</u></b> <i>wlkyd</i>			1 <input type="checkbox"/>	2 <input type="checkbox"/>			3 <input type="checkbox"/>					

	Yes, limited a lot	Yes, limited a little	No, not limited at all		
i. Walking <u>one hundred yards</u> <i>wlkoyd</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>		
j. Bathing or dressing yourself <i>bthdrs</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>		
<b>4. During the <u>past 4 weeks</u>, how much of the time have you had any of the following problems with your work or other regular daily activities as a <u>result of your physical health</u> ?</b>					
	All of the time	Most of the time	Some of the time	A little of the time	None of the time
a. Cut down on the <u>amount of time</u> you spent on work or other activities <i>cuttm</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
b. <u>Accomplished less</u> than you would have liked <i>dolss</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
c. Were limited in the <u>kind of work or other activities</u> <i>lmtknd</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
d. Had <u>difficulty</u> performing the work or other activities (for example, it took extra effort) <i>diffwrk</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
<b>5. During the <u>past 4 weeks</u>, how much of the time have you had any of the following problems with your work or other regular daily activities as a <u>result of any emotional problems</u> (such as feeling depressed or anxious)?</b>					
	All of the time	Most of the time	Some of the time	A little of the time	None of the time
a. Cut down the <u>amount of time</u> you spent on work or other activities <i>ecuttm</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
b. <u>Accomplished less</u> than you would like <i>edolss</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
c. Did your work or activities <u>less carefully than usual</u> <i>elsscr</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
<b>6. During the <u>past 4 weeks</u>, to what <u>extent</u> has your <u>physical health or emotional problems</u> interfered with your normal social activities with family, friends, neighbors, or groups? <i>extent</i></b>					
Not at all 1 <input type="checkbox"/>	Slightly 2 <input type="checkbox"/>	Moderately 3 <input type="checkbox"/>	Quite a bit 4 <input type="checkbox"/>	Extremely 5 <input type="checkbox"/>	

<b>7. How much <u>bodily</u> pain have you had during the <u>past 4 weeks</u>? <i>pnxtnt</i></b>						
None 1 <input type="checkbox"/>	Very mild 2 <input type="checkbox"/>	Mild 3 <input type="checkbox"/>	Moderate 4 <input type="checkbox"/>	Severe 5 <input type="checkbox"/>	Very severe 6 <input type="checkbox"/>	
<b>8. During the <u>past 4 weeks</u>, how much did <u>pain</u> interfere with your normal work (including both work outside the home and housework)? <i>pnintf</i></b>						
Not at all 1 <input type="checkbox"/>	Slightly 2 <input type="checkbox"/>	Moderately 3 <input type="checkbox"/>	Quite a bit 4 <input type="checkbox"/>	Extremely 5 <input type="checkbox"/>		
<b>9. These questions are about how you feel and how things have been with you <u>during the past 4 weeks</u>. For each question, please give the one answer that comes closest to the way you have been feeling.</b>						
<b>How much of the time during the <u>Past 4 weeks</u>....</b>	All of the time	Most of the time	Some of the time	A little of the time	None of the time	
<b>a. Did you feel full of life?</b> <i>ffife</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>b. Have you been very nervous?</b> <i>fnrvs</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>c. Have you felt so down in the dumps that nothing could cheer you up?</b> <i>edown</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>d. Have you felt calm and peaceful?</b> <i>ecalm</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>e. Did you have a lot of energy?</b> <i>fenrgy</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>f. Have you felt downhearted and depressed?</b> <i>edprss</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>g. Did you feel worn out?</b> <i>wrnout</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>h. Have you been happy?</b> <i>ehppy</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>i. Did you feel tired?</b> <i>etred</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>	
<b>10. During the <u>past 4 weeks</u>, how much of the time has your <u>physical health or emotional problems</u> interfered with your social activities (like visiting with friends, relatives, etc.)? <i>sinterf</i></b>						
All of the time 1 <input type="checkbox"/>	Most of the time 2 <input type="checkbox"/>	Some of the time 3 <input type="checkbox"/>	A little of the time 4 <input type="checkbox"/>	None of the time 5 <input type="checkbox"/>		

<b>11. How TRUE or FALSE is each of the following statements for you?</b>					
	Definitely True	Mostly True	Don't Know	Mostly False	Definitely False
<b>a. I seem to get sick a little easier than other people</b> <i>esysck</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
<b>b. I am as healthy as anybody I know</b> <i>hlthy</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
<b>c. I expect my health to get worse</b> <i>hlthwrs</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>
<b>d. My health is excellent</b> <i>hlthgd</i>	1 <input type="checkbox"/>	2 <input type="checkbox"/>	3 <input type="checkbox"/>	4 <input type="checkbox"/>	5 <input type="checkbox"/>

## ICECAP-A measure v2: ABOUT YOUR OVERALL QUALITY OF LIFE

Note: Before using ICECAP-A there is a requirement to register with Bristol Medical School, UK.

Please indicate which statements best describe your overall quality of life at the moment by placing a tick (✓) in **ONE** box for each of the five groups below. Please ensure you have only ticked **ONE** box for each of the five groups.

<b>1. Feeling settled and secure</b>	
I am able to feel settled and secure in <b>all</b> areas of my life	<input type="checkbox"/> 4
I am able to feel settled and secure in <b>many</b> areas of my life	<input type="checkbox"/> 3
I am able to feel settled and secure in <b>a few</b> areas of my life	<input type="checkbox"/> 2
I am <b>unable</b> to feel settled and secure in <b>any</b> areas of my life	<input type="checkbox"/> 1
<b>2. Love, friendship and support</b>	
I can have <b>a lot</b> of love, friendship and support	<input type="checkbox"/> 4
I can have <b>quite a lot</b> of love, friendship and support	<input type="checkbox"/> 3
I can have <b>a little</b> love, friendship and support	<input type="checkbox"/> 2
I <b>cannot</b> have <b>any</b> love, friendship and support	<input type="checkbox"/> 1
<b>3. Being independent</b>	
I am able to be <b>completely</b> independent	<input type="checkbox"/> 4
I am able to be independent in <b>many</b> things	<input type="checkbox"/> 3
I am able to be independent in <b>a few</b> things	<input type="checkbox"/> 2
I am <b>unable</b> to be at all independent	<input type="checkbox"/> 1
<b>4. Achievement and progress</b>	
I can achieve and progress in all aspects of my life	<input type="checkbox"/> 4
I can achieve and progress in <b>many</b> aspects of my life	<input type="checkbox"/> 3
I can achieve and progress in <b>a few</b> aspects of my life	<input type="checkbox"/> 2
I <b>cannot</b> achieve and progress in <b>any</b> aspects of my life	<input type="checkbox"/> 1
<b>5. Enjoyment and pleasure</b>	
I can have <b>a lot</b> of enjoyment and pleasure	<input type="checkbox"/> 4
I can have <b>quite a lot</b> of enjoyment and pleasure	<input type="checkbox"/> 3
I can have <b>a little</b> enjoyment and pleasure	<input type="checkbox"/> 2
I <b>cannot</b> have <b>any</b> enjoyment and pleasure	<input type="checkbox"/> 1



## Section 2: Use of Services

Household Reference Code: .....

### Introduction

This survey will take up to 10 minutes to complete. In this section we will ask you some questions relating to you and your household's use of different health and social care services, and time off work (where relevant) due to ill health. This section is split into 3 parts (Part A, B and C). Some questions will seem more relevant to you than others, but please try to answer all the questions as best you can. As with the earlier section, there are no right or wrong answers. Some questions will seem more relevant to you than others, or you may be unsure about how to answer, but please try to answer all the questions as best you can.

### Part A: Use of Health Care Services

This section is about **you or your household use of health care services in the last 3 months**. We know that it can be difficult to remember the services you have used precisely, but please be as accurate as you can.

**A1.** In the last **3 months**, have you or your household had any **consultations** with a health care professional **at a GP Practice, Hospital or other health-related Clinic?**

Yes	<input type="checkbox"/>
No	<input type="checkbox"/>

**A2.** If you ticked **YES** for question **A1**, please indicate in the boxes below what health professional provided a **face to face consultation** and how many consultations in total you or your household have had in the past **3 months?** The number of times could be approximate if you cannot remember exactly.

Health Care Professional	Yes	No	Number of Consultations	
General Practitioner (GP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nurse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pharmacist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**A3.** In the last **3 months**, have you or your household had any **face to face consultations** with a health care professional **in your home**?

<b>Yes</b>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>

**A4.** If you ticked **YES** for question **A3**, please indicate in the boxes below what health professional provided a **face to face consultation at your home** and how many consultations in total you or your household have had in the past **3 months**? The number of times could be approximate if you cannot remember exactly.

<b>Health Care Professional</b>	<b>Yes</b>	<b>No</b>	<b>Number of Consultations</b>	
General Practitioner (GP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nurse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pharmacist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**A5.** In the last **3 months**, have you or your household had any **consultations** with a health care professional **by phone/video call**?

<b>Yes</b>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>

**A6.** If you ticked **YES** for question **A5**, please indicate in the boxes below what health professional provided a **consultation by phone or video call** and how many consultations in total you or your household have had in the past **3 months**? The number of times could be approximate if you cannot remember exactly.

<b>Health Care Professional</b>	<b>Yes</b>	<b>No</b>	<b>Number of Consultations</b>	
General Practitioner (GP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nurse	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pharmacist	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**A7.** In the last **3 months**, have you or your household contacted NHS111 (or any other out of hours NHS telephone line) for any health problems you faced?

<b>Yes</b>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>

**A8.** If you ticked YES for question A7, please record the number of times you or your household **have** contacted NHS 111 (or any other out of hours NHS telephone line) in the last **3 months** below:

<b>Number of Consultations</b>	<input type="text"/>	<input type="text"/>
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**A9.** In the last **3 months**, have you or your household attended accident and emergency (A&E) because of illness?

<b>Yes</b>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>

**A10.** If you ticked YES for question A9, please record the number of times you or your household **have** attended accident and emergency (A&E) in the last **3 months** below:

<b>Number of Attendances</b>	<input type="text"/>	<input type="text"/>
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**A11.** In the last **3 months**, have you or your household had to call an ambulance because of illness?

<b>Yes</b>	<input type="checkbox"/>
<b>No</b>	<input type="checkbox"/>

**A12.** If you ticked YES for question A11, please record the number of times you or your household **have** called an ambulance in the last **3 months** below:

<b>Number of Calls</b>	<input type="text"/>	<input type="text"/>
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**Part B: Your Use of Social Care Services**

This section is about **your or your households use of social care services in the last 3 months**. We know that it can be difficult to remember the services you have used precisely, but please be as accurate as you can.

**B1.** In the last **3 months**, have you or your household **accessed social care services at your home**?

Yes	<input type="checkbox"/>
No	<input type="checkbox"/>

**B2.** If you ticked **YES** for question **B1**, in the boxes below can you please indicate how many times in the past **3 months** you or your household have accessed the following social service **at your home**? The number of times could be approximate if you cannot remember exactly.

Type of Social Service	Yes	No	Number of Times	
Paid Carer (Provided by Council)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Paid Carer (Provided by NHS)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Meals on Wheels	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Support from a Charity	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other (Please Specify)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**B3.** In the last **3 months**, have you or your household **accessed social care services by phone or video call**?

Yes	<input type="checkbox"/>
No	<input type="checkbox"/>

**B4.** If you ticked **YES** for question **B3**, in the boxes below can you please indicate how many times in the past **3 months** you or your household have accessed the following social service **by phone or video call**? The number of times could be approximate if you cannot remember exactly.

Type of Social Service	Yes	No	Number of Times	
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Paid Carer (Provided by Council)


Paid Carer (Provided by NHS)

Meals on Wheels

Support from a Charity

Other (Please Specify)

**Part C: Your Employment**

**C1.** If you or your household are in paid employment, have you had to take time off work in the last **3 months** due to illness?

**Yes**

**No**

**N/A**

**C2.** If you ticked YES to question C1, please write below approximately how much time you or your household have taken off in total during the last 3 months due to illness or caring for someone who is unwell.

**Number of Hours**

--	--

**N/A**

Thank you for your time in completing this survey.

**End of Questionnaire**

### Survey 3

*(to be completed by each member of the household where possible, but as a minimum by the lead participant in the project)*

#### Introduction

This questionnaire will take up to 30 minutes to complete. The information will assist us in interpreting the results of the air, fuel, health and wellbeing data collected as part of the In2Air study and also inform any changes/improvements that we might need to make to the procedures.

#### Section 1: Negative/positive factors associated with taking part in the baseline study & compliance with protocol

1. What did you **like** about taking part in this study?

*the researcher will explore this question in relation to*

- taking part in research (free text)
- the AQ monitors, (free text)
- energy monitoring, (free text)
- meeting and working with researchers, (free text)
- other (free text)

2. What did you **not like** about taking part in this study?

*the researcher will explore this question in relation to*

- completing survey questions (free text)
- the AQ monitors, (free text)
- energy monitoring (free text)
- meeting and working with researchers, (free text)
- other (free text)

3. Did anyone smoke or vape in the house during the time you had the AQ monitor?

*[reassure the resident this won't impact on the voucher they receive for taking part]*

- 1. Yes (details free text)
- 2. No
- 3. Don't know

#### Section 2: Change in behaviour(s)

4. Do you think having the AQ monitor(s) changed your behaviour at home?

- 1. Yes (How -free text) *the researcher will explore this question in relation to how*
- 2. No
- 3. Don't know

5. Did your usual pattern of opening/closing of windows change?

- 1. Yes (How -free text)
- 2. No
- 3. Don't know

6. Did your use of any home extractor fans change?

1. Yes (How -free text)
2. No
3. Don't know

7. Do you think taking part in the energy audit changed your behaviour at home?

1. Yes (How -free text) *the researcher will explore this question in relation to*
2. No
3. Don't know

8. Did your usual pattern of energy use (for example use of heating, use of electrical equipment) change?

1. Yes (How -free text) *the researcher will explore this question in relation to*
2. No
3. Don't know

### **Section 3: Study Continuation**

9. How likely are you to take part in the repeat study once the building works for energy saving are finished?

1. Very likely
2. Likely
3. Neutral
4. Unlikely
5. Very unlikely

10. What would encourage you to take part in the repeat study?  
(free text)

Thank you for your time in completing this survey.

**End of Questionnaire**