

Post-Deployment Interview Questions

Introductory Questions

1. Have you seen anything interesting using the system?
2. Can you Describe how you used the system?
3. Were you able to do what you wanted to do
 - a. YES: What did you use it for?
 - b. NO: What did you want to do but could not?
4. Did you notice any patterns in your data?

Interface Usage

Data/Pattern Searches

1. Have you noticed any behaviors or activities which reliably produce spikes?
2. Did you ever compared two different sensors?
3. Did you ever refer to the outdoor monitor readings before making a decision indoors (like opening windows?)
4. Did seeing differences between indoor and outdoor AQ lead to any insights, realizations, or surprises?

Tablet/Visualization Interactions

1. When you used the tablet did you use it as an exploratory tool, or did you look out for specific features?
2. Did you find the tablet useful as a data browsing tool? Compared to e-asthma tracker? Would you use such an interface differently / more often if it would be a mobile application?
3. What time resolution did you use most often to look at your data?
4. What time of day did you tend to use the tablet most? How about time of the week?
5. When looking at data,
 - a. Did you do any comparison between rooms?
 - b. Did you do any comparison between events (in a single room)?
6. How far back did you typically look?
 - a. Did that change over the the duration of the study?

Engagement & Impact

1. Has having the tablet changed your AQ checking habits?
2. Has having this device inspired other people to check AQ?
3. How often did you or others interact with the tablet?
4. Did you have any conversations with family over your AQ data?

5. Did having this tablet make you any more likely to check or engage with your AQ data?
1. Does being able to view sensor data from your home influence your decision on whether to participate in an asthma study (probe – more likely? Less likely? No influence?)
2. Do you think that being able to view sensor data from your home (or “having an interactive visualization”) would influence how long you remain in the study?
 - a. – would access to the data make you more likely to “stick with” a long term study?
3. Would your answers to the above be different if you could not see the data in real time (for example, you could see the data from yesterday, but not from today; or only once a week, once a month)?
4. Do you use eAT daily? What information is shown? Is it intelligible? has having access to this information affected your knowledge of IAQ or thoughts for this?
6. Did having access to your data, change how you think of your Indoor air quality?
7. Are there any rooms in your home which turned out to be more or less active (peaks) than you anticipated?
8. What events prompted you to check the interface
9. Did any activities have less of an observed impact than you expected?
10. Did you observe anything interesting or unexpected as a result of being able to see your indoor air quality?
11. Have you had a chance to share any of this data with guests? Did they have any reactions? Questions?
12. Have you changed any cleaning, cooking habits as a result of seeing this data?
13. Did you notice any sources or factors impacting AQ in the home that you did not expect?

Annotations

Have user rate annotation options again

1. How often did you annotate?
2. Did you annotate as often as you would have liked?
 - a. If not, what prevented you from annotating more often?
3. Did the annotation feature add value to the system?
4. Did you find the texting option convenient? (And why)

5. Did you prefer to annotate via text or tablet? (And Why)
6. Did you have any thoughts on the usefulness of google home vs. text? (And Why)
7. How did you use Google Home most during the deployment?
8. What annotation method do you think is most useful for you now that you have had time to use them (And why)?

Health Correlations

1. Did being able to see your IAQ make you feel more comfortable about your (or your child's) personal health?
2. Did you use the tablet to investigate air quality if you were experiencing asthma symptoms?
3. Did you use the tablet to help make any health decisions or behavior changes?
4. Did you use annotations to keep track of health symptoms for correlating indoor AQ with respiratory health?

Privacy Insights

1. Now that you can see your data for the past few weeks, Has your general feelings towards privacy changed with regard to this system?
2. Have your thoughts changed on what this system is able to detect?
3. Have your thoughts changed on what behaviors or activities you are able to identify through AQ data?
4. How would you define the term "personal data"?
5. How would you define the term "Private data"?

User-Interface Feedback

1. Was there anything you wanted to do which you could not due to the current interface design?
2. Do you feel the values shown to you were accurate?
3. Do you feel the system was reliable?
4. Do You have any comments, critiques, or suggestions for the interface?
5. What changes (if any) would you like to make to the interface so that it's better suited to help answer the questions you have about AQ?

Wrap-Up

7. How did you gauge your air quality over this deployment?
8. Do you feel that 2-3 weeks is a long enough time to try this system to get the most out of it?

9. Did you use the system differently during the first week of your deployment versus now.
10. What was the most useful aspect of having this tablet system?
11. How did you end up using the interface most?
12. Do you have any requests or feedback on features or interactivity you would like to have after having a chance to use it for 2 weeks
13. Would you like to keep the system?

Demographics

14. How much of your waking time did you spend at home (on week vs. weekend)?
15. What are the ages and occupations of the people in the home?