

Pilot Study Design



Exploring views about indoor air quality (IAQ), symptoms & interventions



Structured questionnaire
More people, less detail

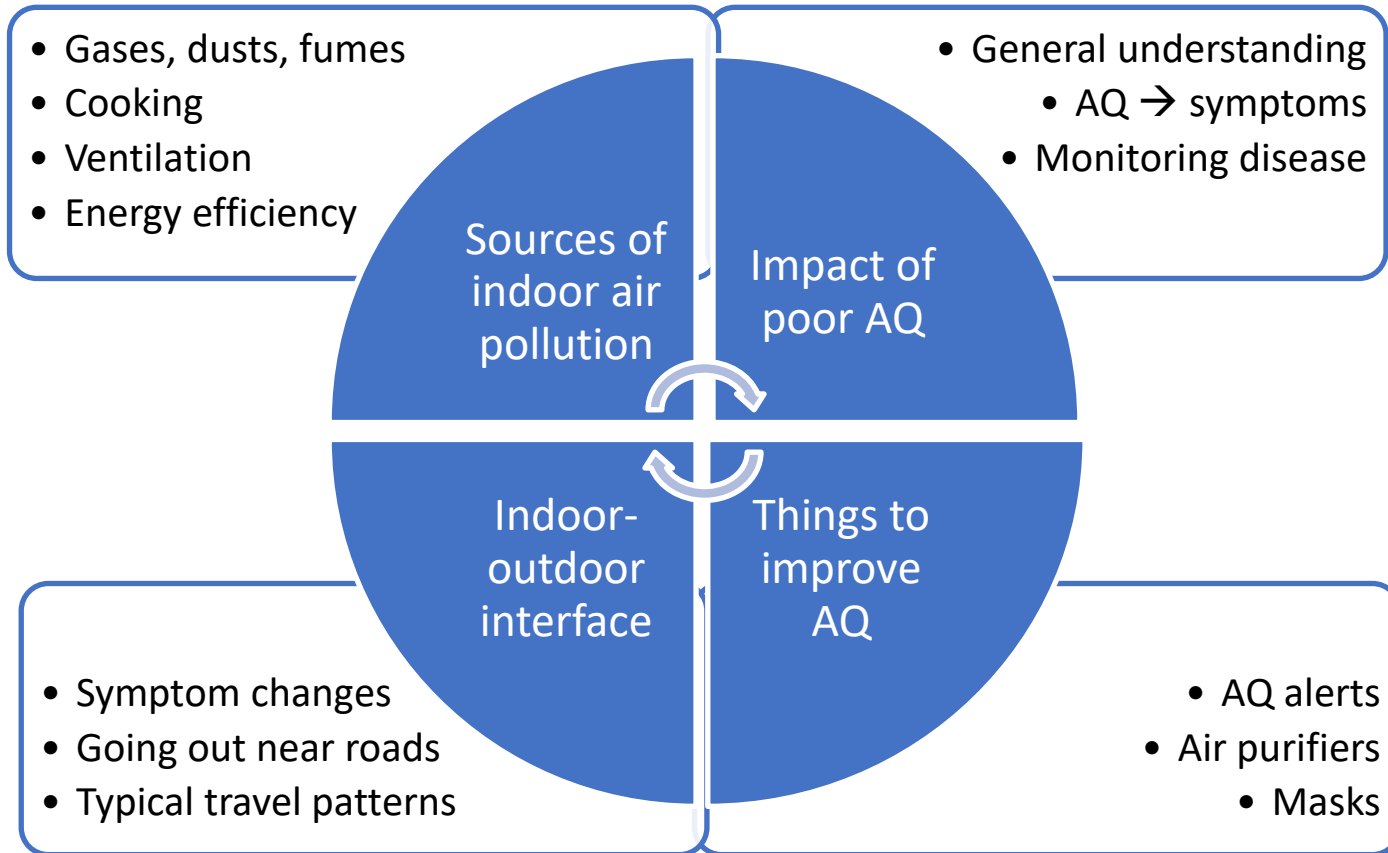


AQ monitor 2-6 wks
Daily symptom diary

- Bronkotest
- Asthma control test

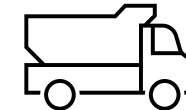
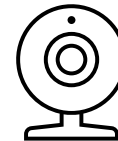
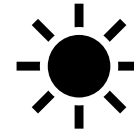
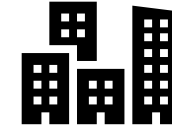
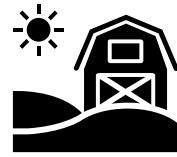


Part 1: Qualitative interviews










Part 1: Qualitative - results

Participant No.	Age	Diagnosis	Severity of Illness	Gender	Employment Status
267	66	Asthma	Mild	F	Retired
270	54	Asthma	Moderate	M	Active
273	18-24	Asthma	Mild	F	Student
280	77	Asthma	Severe	M	Retired
289	18-24	Asthma	Mild	M	Student
292	64	Asthma	Moderate	F	Active
298	65-74	Asthma	Mild	M	Retired
299	81	COPD	Moderate	F	Retired
301	60	Asthma	Severe	F	Active
303	51	Asthma	Mild	F	Active
305	64	Asthma	Severe	F	Retired
308	54	Asthma	Severe	F	Unemployed
312	58	COPD	Severe	F	Active
314	62	Asthma	Severe	F	Moderate



Part 1: Qualitative - results

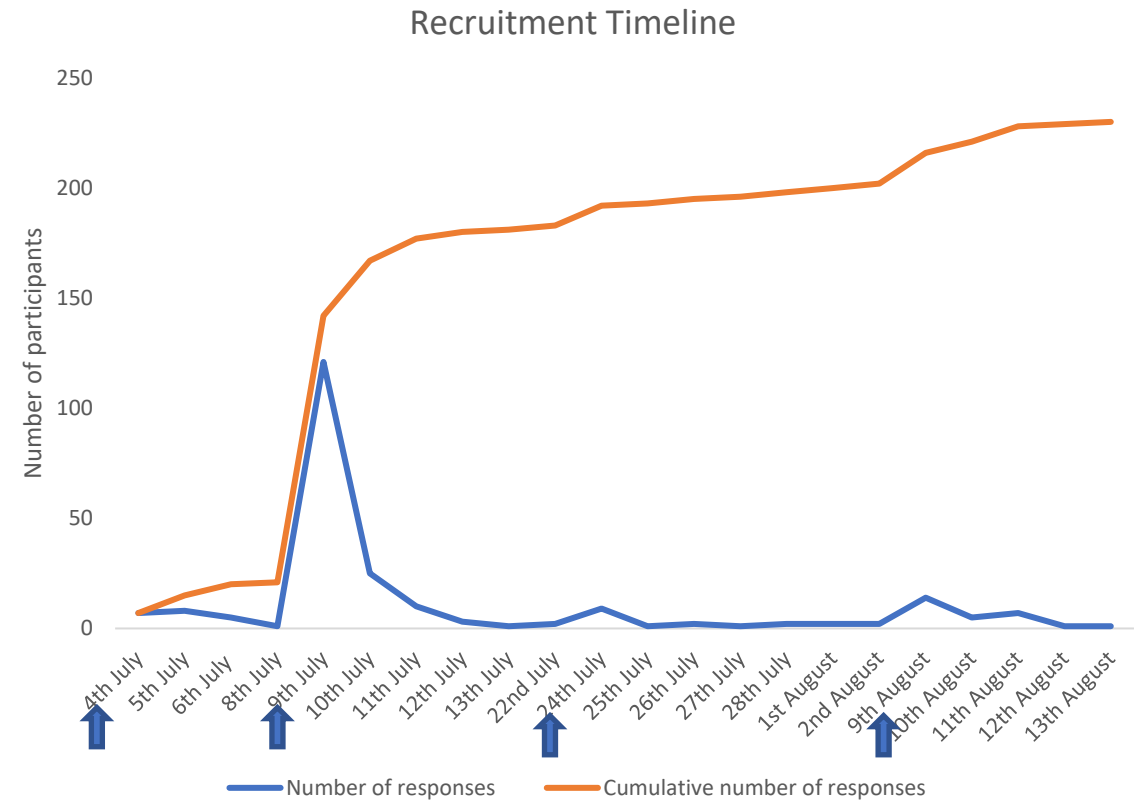
Theme	Quote
	We used to live in Wales, and it was noticeably different with the air
	When I do go into central London, it does get, you know, a lot worse, and even with, like all the measures in place like congestion charge
	If it is really muggy, I do wheeze a lot more
	Change of air temperature seems to be a big factor
	If we're cooking well, we tend to have windows open quite a lot The main barrier to having anything installed would be the cost rather than sort of any practical space issues
	
	I have been brought them [candles], but I try not to have things like that that can trigger an attack

Part 2: Survey

- Design/piloting
- Social media
- Posters
- NHS

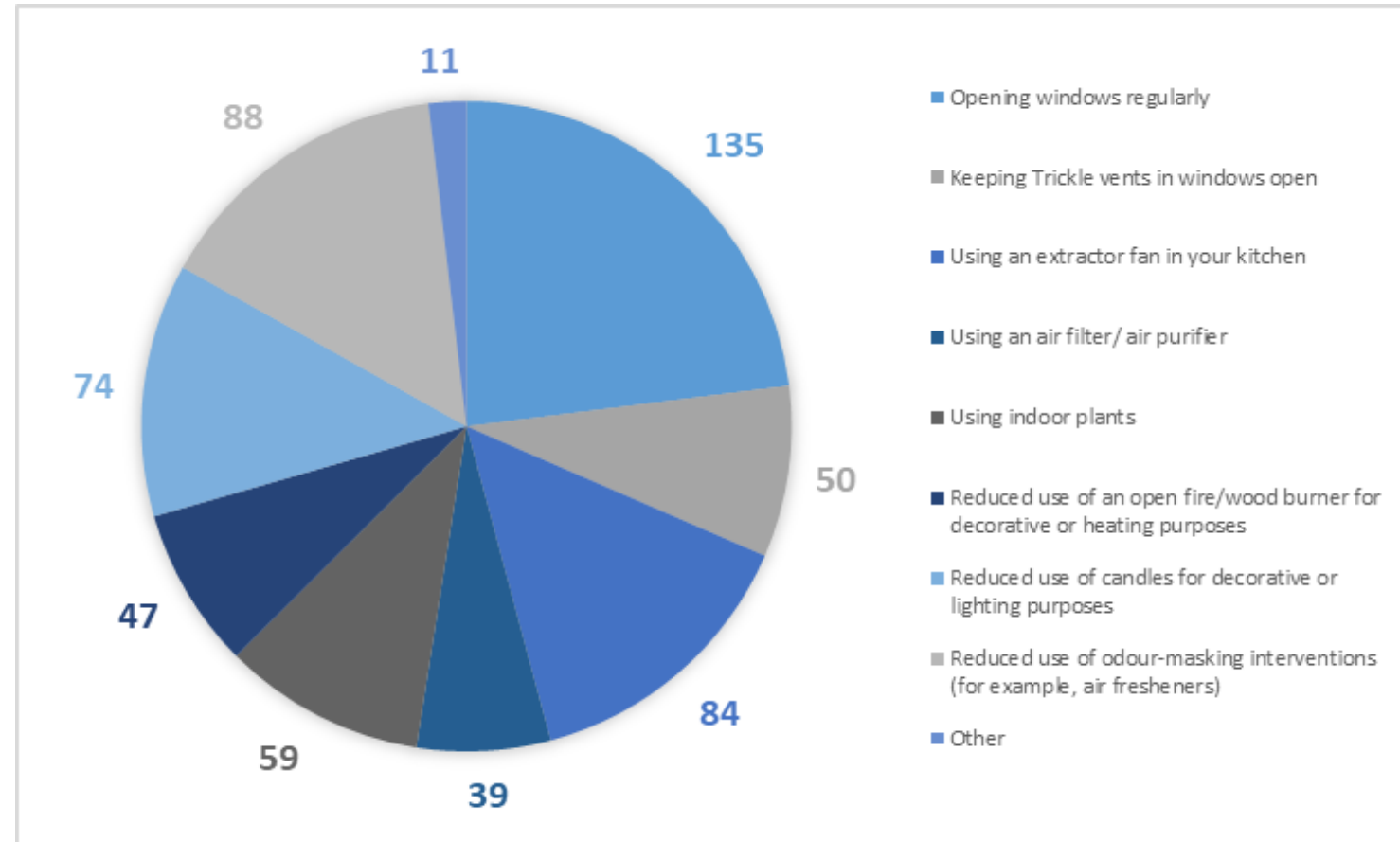
- Total n=332
 - Asthma n=255
 - COPD n=77

Mainly
Female
White British
Median age 45-54



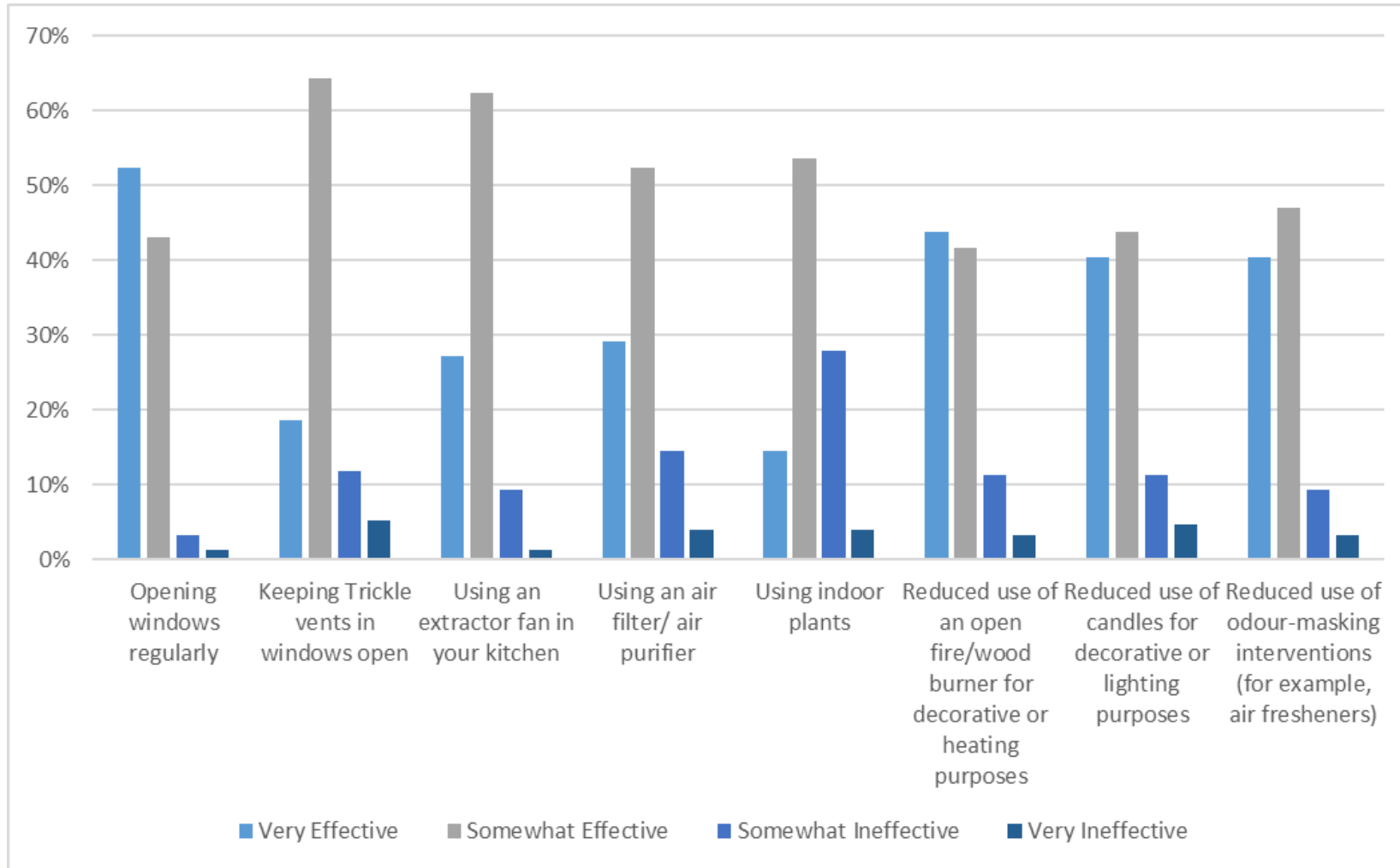
Part 2: Survey - results

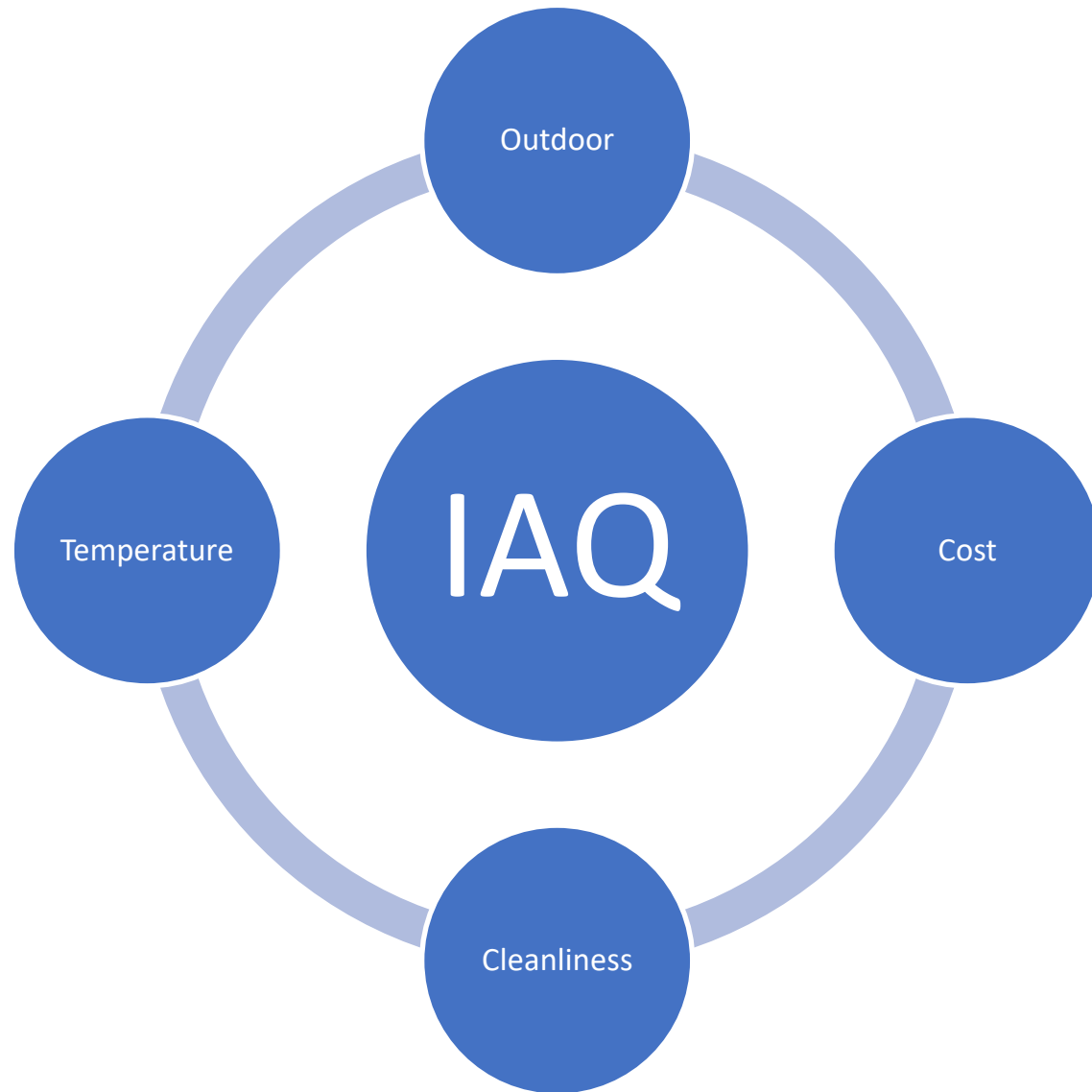
- Symptoms
 - 90% IAQ → SOB
 - 84% IAQ → cough
- Understanding
 - 90% good for outdoor AQ
 - 72% good for IAQ
- Infection v IAQ
 - Cleaning products++



Interventions used by participants to improve IAQ

Part 2: Survey – efficacy of interventions to improve IAQ





Questions?



UK Research
and Innovation



Met Office



Clean Air
Programme

CleanAir4V