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### Research Summary

How can we, as academics and sustainable building practitioners, ensure that the transition to MVHR as the a priori domestic **ventilation** strategy in the UK will result in the predicted and required energy savings?

- Increasingly airtight and insulated homes provide new challenges in terms of providing sufficient ventilation for **people** and **buildings**.
- Mechanical ventilation with heat recovery (MVHR) is predicted in all new housing.
- **Behaviour** is influenced by a combination our intentions and **habits** or 'practices'.
- Mismatches in the way the technology is handled by suppliers and building professionals as well as how the **new technology** is adapted to the preferences of users can result in low rates of user acceptance and satisfaction.

### Preliminary Findings

- Lack of **understanding** of ventilation by occupants.
- **Conflict** between vision of architect and needs of resident.
- **Windows** are being opened when **heating** in use.

### Stakeholder Opportunities

- Engage with **designers**, engineers, **housebuilders** and **landlords** to ensure successful adoption of new technology.



*“These are the vents I was talking about. What they were doing - what work it does I have no clue.”*



*“All the bad smells in the house seem to hang out here”*

*“Because I think it is a learning process when you're living in a house that requires slightly different way of approaching it”*

*“I've heard it make funny noises every now and again”*