

Influence of Ventilation design on the prevalence of anti-microbial resistant bacteria in homes

Introduction and background to the project

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HEMAC Multidisciplinary Network

Aim: To bring public health, IAQ and building professionals together with architects and their clients, to identify shared research agendas and develop research questions and activity.

- AHRC Network Funding (12 months)
- With medical researchers University of Aberdeen - investigating health effects
- Steering committee - multidisciplinary
- International collaboration
- 3 networking events

Symposium

platform for participants to present their research findings

Workshop

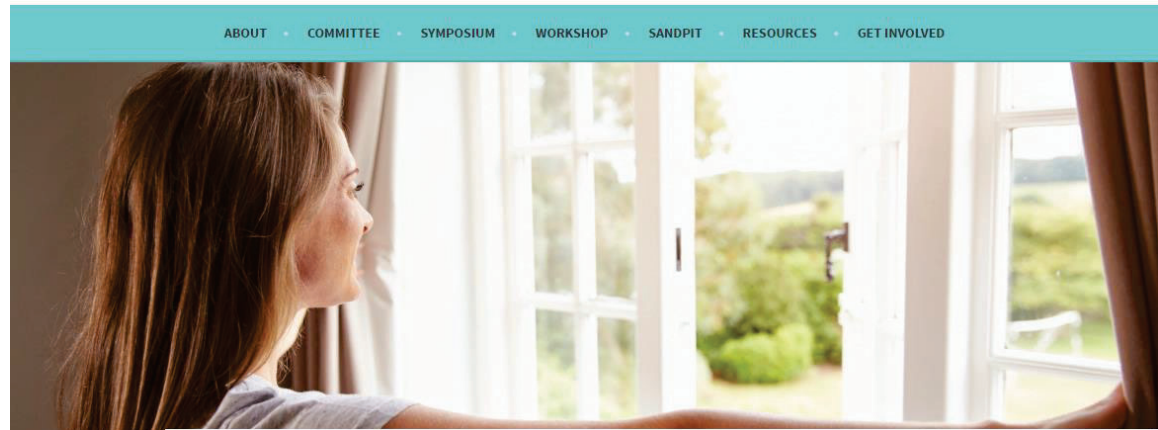
develop research and output ideas

Sandpit

Further refine and peer review,
Develop network outputs



HEMAC NETWORK
HEALTH EFFECTS OF MODERN AIRTIGHT CONSTRUCTION



Multidisciplinary Network on Health Effects of Modern Airtight Construction

www.hemacnetwork.com

Project overview

- Background

Emerged from workshop ‘Microorganisms in homes’ – which highlighted gap in knowledge in relationship between ventilation and microorganisms

- Funding call: AMR Indoor and Built Environment Pump Priming

AHRC-led call to address the role of the indoor and built environment in the proliferation, transmission and prevention of AMR

- Research aim:

To determine ventilation characteristics of contemporary housing and relate this to the presence and nature of microorganisms in the home, with specific aim of identifying factors that would impact on the presence and proliferation of AMR

Stage 1

Household survey and microbial sampling (100 homes)

Stage 2

Detailed monitoring and sampling (21 homes)



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