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# **The wider determinants of health**

## **Relationships between housing and its surroundings and health, wellbeing and equity**

### **Summary of systematic evidence mapping**

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We would welcome feedback on this report and would be interested to hear how it has been used. To provide feedback, or request further information, please contact us:

Public Health Wales Observatory  
2 Capital Quarter  
Tyndall Street  
Cardiff  
CF10 4BZ

Email: [observatory.evidence@wales.nhs.uk](mailto:observatory.evidence@wales.nhs.uk)

Web: [www.publichealthwalesobservatory.wales.nhs.uk](http://www.publichealthwalesobservatory.wales.nhs.uk)

**Report authors:** Sian Price, Head of Observatory Evidence Service and Hannah Shaw, Advanced Evidence and Knowledge Analyst

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provided it is done so accurately and is not used in a misleading context.  
Acknowledgement to Public Health Wales NHS Trust to be stated.

## 1 What this document tells us

This document summarises evidence from high-level evidence sources that have looked at the relationship between housing, its surroundings and health, wellbeing and equity. We used systematic evidence mapping to search for and sort evidence from systematic reviews. The material in this summary is limited to reviews that we consider have been produced using a robust methodology<sup>1</sup>.

We mapped a broad body of evidence. We sorted this based on whether the evidence suggests the intervention may work (green) or may not work (coloured red). Many systematic reviews reported insufficient evidence (one or no relevant studies) or inconclusive evidence (coloured orange). We considered that the evidence was inconclusive in reviews where some studies found a positive effect but others did not, so there was no clear majority of studies in either direction.

This summary may be used to familiarise yourself with high-level research in this area. It points to interventions that may or may not be useful.

## 2 This document does not tell us

It does not provide all the answers. Because we did not do a systematic review we have not considered the quality of the evidence (the appropriateness of the study design or how well it was conducted).

The mapping covers the breadth of evidence on the question *Which relationships between housing and its surroundings and health, wellbeing and equity have been reviewed systematically?* rather than the depth of evidence on a focused question. To inform decisions about action you need to know what works for whom and in what circumstances. This document only summarises what works. Consult the evidence map and the full evidence reviews to inform decisions. Bear in mind that the interventions may not be relevant to your setting or population.

## 3 Gaps in the evidence

We identified a number of important gaps in the evidence. We only found a small number of systematic reviews that looked at outcomes relevant to equity. Other evidence gaps we identified are summarised in the table below.

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<sup>1</sup> Systematic reviews and meta-analyses providing analysis, interpretation of primary research studies that have been produced by a recognised expert body, using a method that is transparent and adheres to systematic review principles with critical appraisal using a recognised tool.

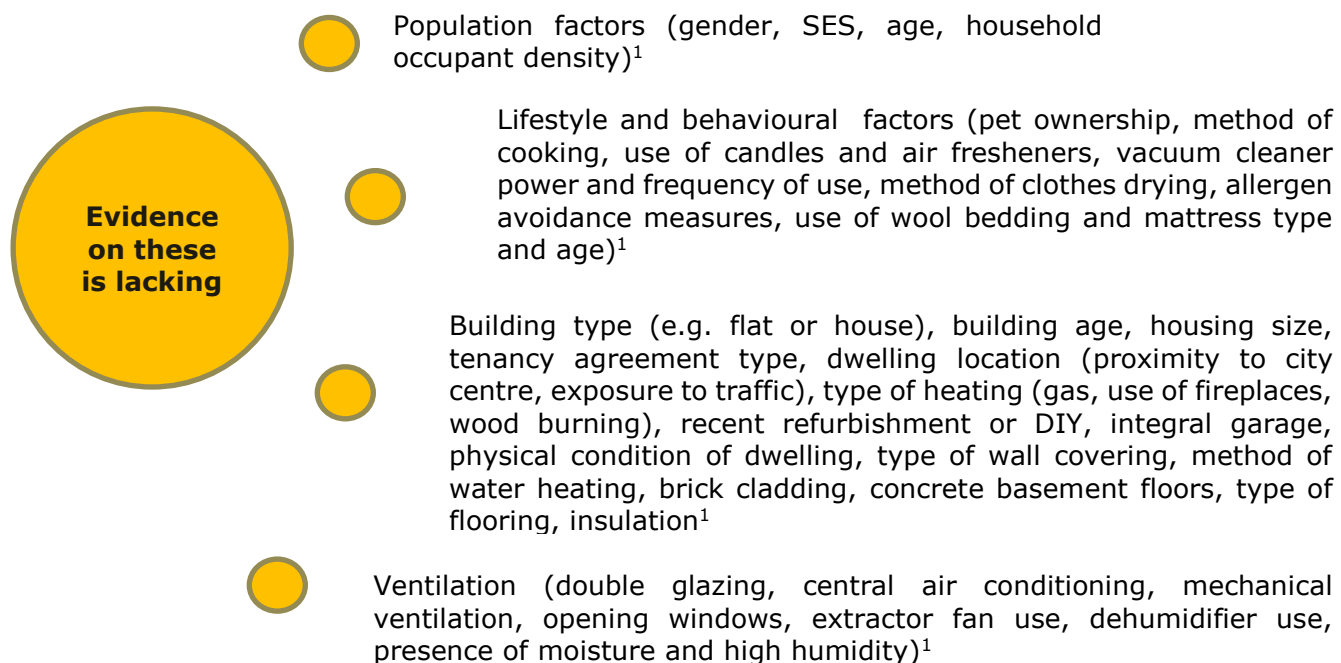
<b>Physical infrastructure</b>	<b>Psychosocial impact</b>
Health and wellbeing impact/relationship with local infrastructure and amenities	Health and wellbeing impact of relationships with neighbours, adverse housing events (e.g. flood, fire), type of tenure and cost of housing. Indirect impacts of housing e.g. education

The detailed [evidence map](#) and [technical report](#) are available here.

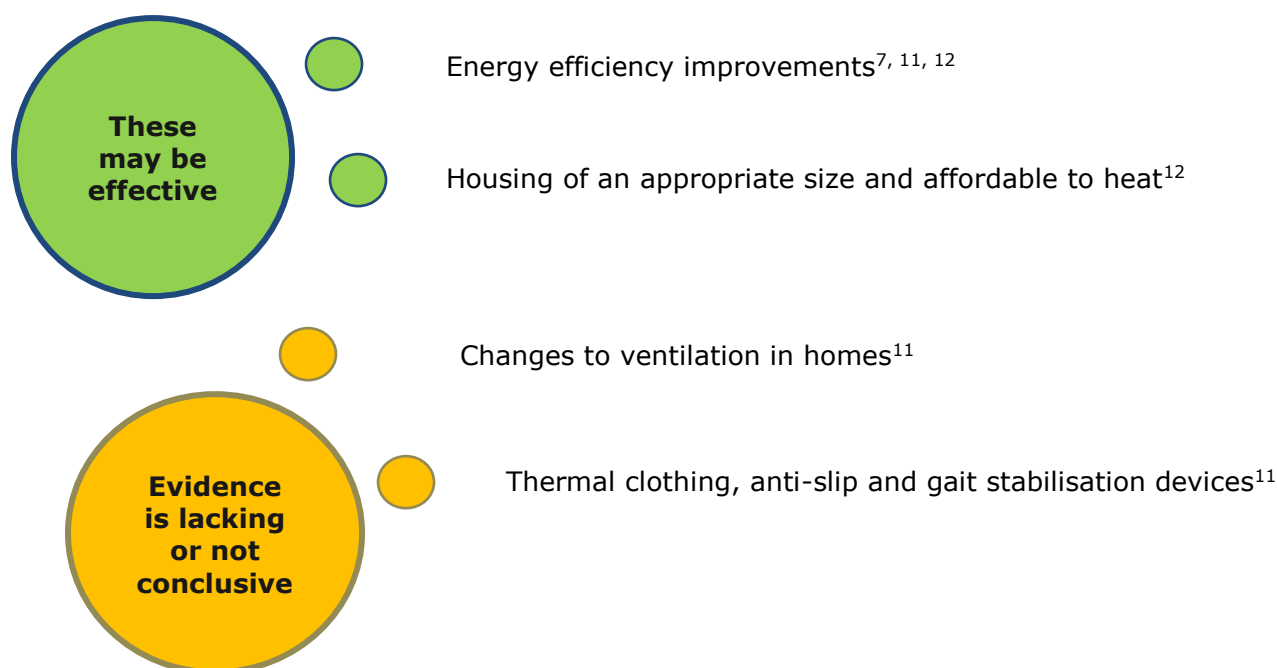
## 4 What we found

### 4.1 The physical environment

**What factors are associated with exposure to poor indoor air quality?<sup>2</sup>**



**Which interventions prevent exposure to cold homes?<sup>2</sup>**

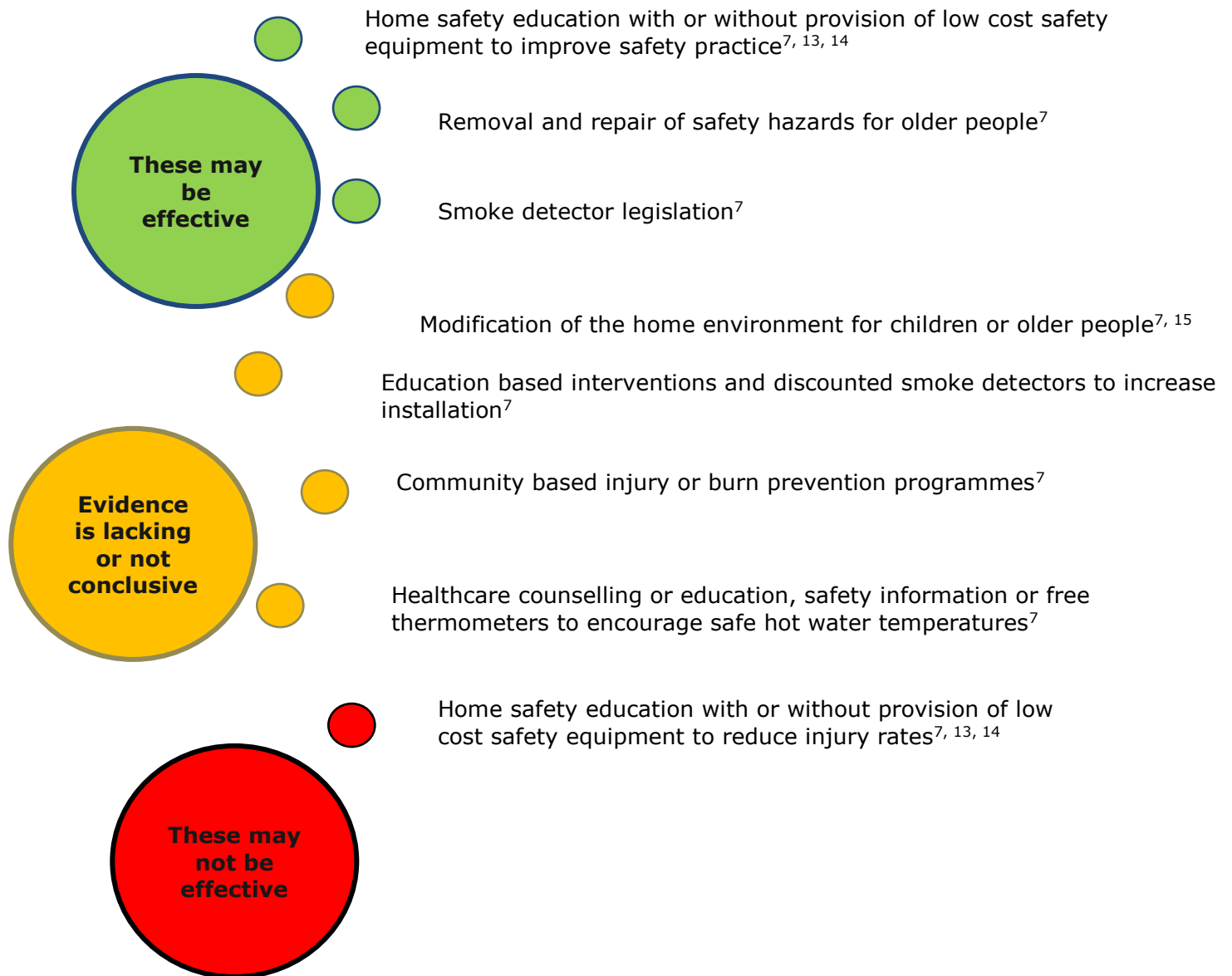


<sup>2</sup> The numbers in superscript refer to the reference list in the technical report

## Which interventions prevent exposure to poor indoor air quality?<sup>2</sup>



## Which interventions reduce unintentional injuries?<sup>2</sup>



## Which interventions to the exterior environment improve health, wellbeing and equity?<sup>2</sup>

These may be effective

Installation of lockable alley gates to reduce burglaries<sup>16</sup>

Evidence is lacking or not conclusive

Estate renewal (areas based interventions including an element of physical regeneration)<sup>17</sup>

These may not be effective

The evidence suggests that estate renewal may not be effective in improving employment, wages or deprivations in local economies<sup>17</sup>

## 4.2 The psychosocial environment

### Which interventions improve health, wellbeing and equity in communities?<sup>2</sup>

Evidence is lacking or not conclusive

Changes to neighbourhood design<sup>19</sup>

These may not be effective

Community coalition driven interventions to improve the local environment<sup>18</sup>



## 4.3 Vulnerable groups

### Housing interventions for vulnerable groups<sup>2</sup>

