

Energy Awareness

**Fuel poverty and
reducing energy
consumption**



What is Fuel Poverty?

Low Income High Costs (LIHC) / Low Income Low Energy Efficiency (LILEE)

If a household spends more than **10% of its income** on fuel costs and if the remaining household income is insufficient to maintain an adequate standard of living.

Where are the main costs for energy used in the home?*



83%
for heating



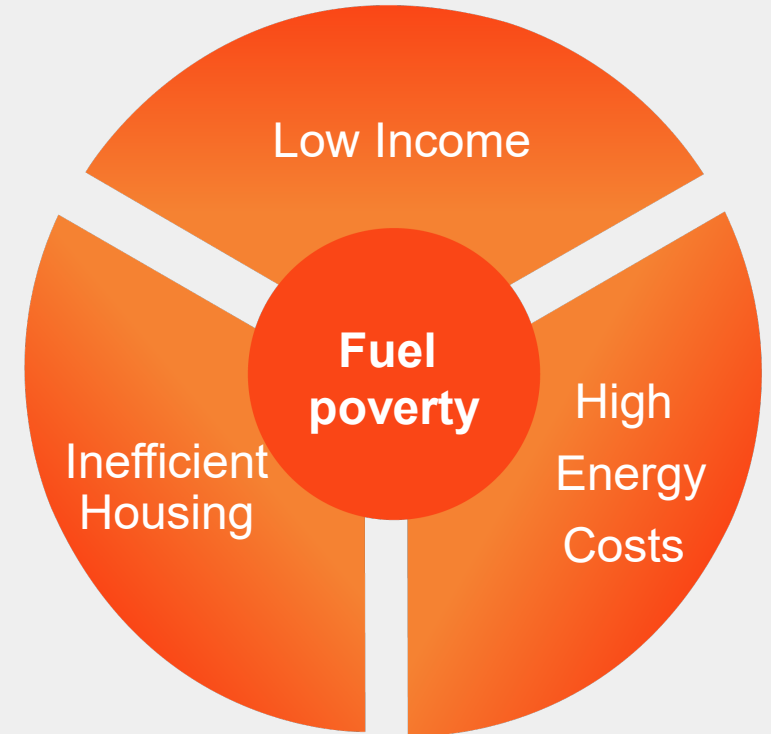
22%
for hot water



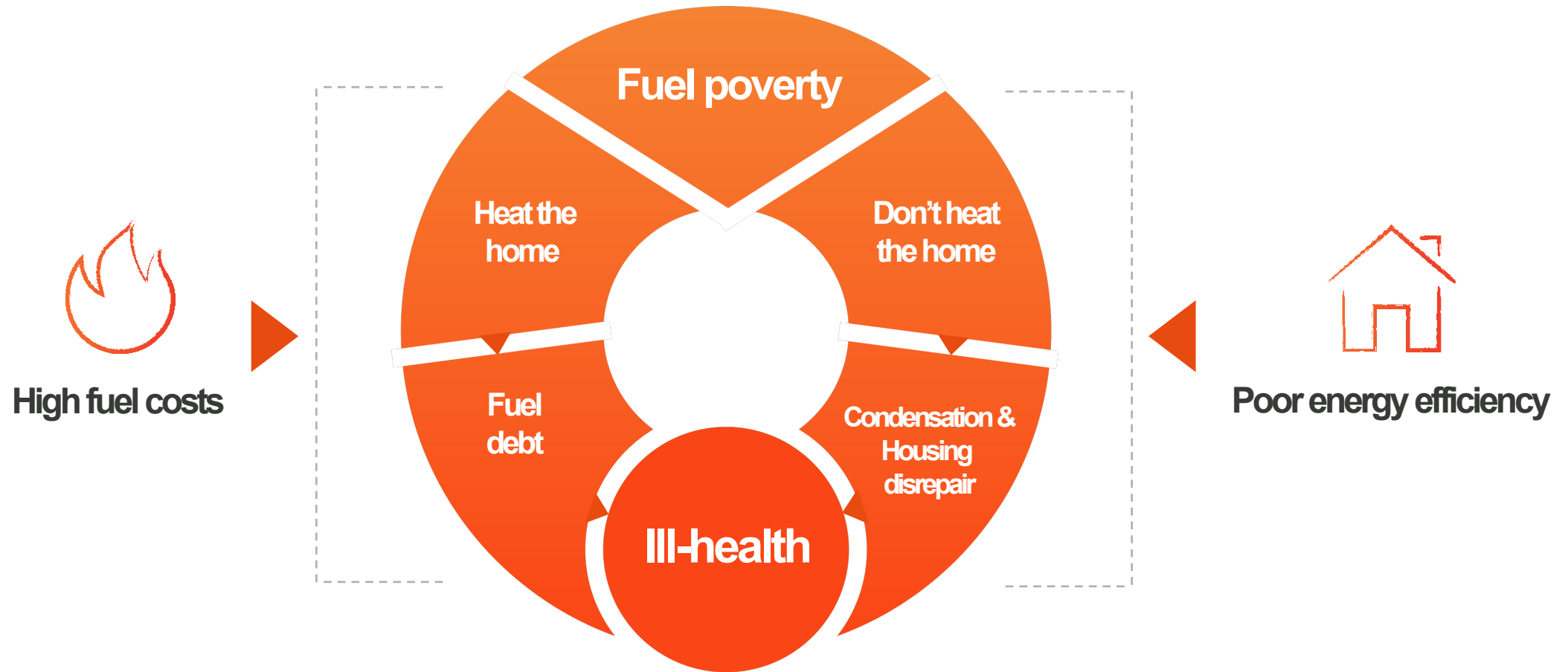
63%
space heaters



Living in cold and damp conditions can have serious lasting effects on health and wellbeing



How fuel poverty causes ill health





Remember
H.I.V.E

Poor energy efficiency

No
Heating



Damp, warm air
moves towards unheated rooms

Bad
Insulation



Vapour laden air
Changes into droplets when in
contact with cold surfaces

Poor
Ventilation



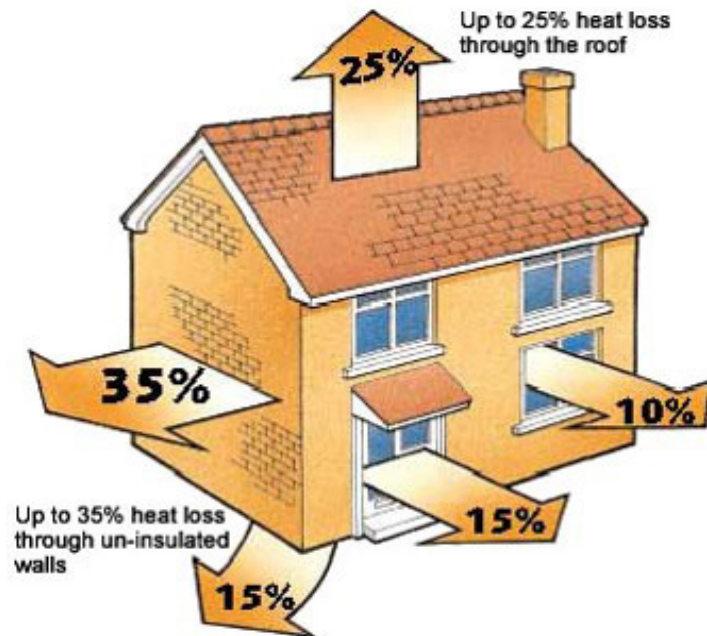
Caused by
Closed windows, no extractor fans,
internal doors remain open

Creating
Excessive
moisture



Produced by
Cooking, bathing,
drying clothes, bottled
gas heaters

Heat Loss and Insulation



Energy efficiency rating

	Current	Potential
92-100 A		
81-91 B		85
69-80 C		
55-68 D		
39-54 E		
21-38 F	35	
1-20 G		
Not energy efficient – higher running costs		

H.I.V.E

Improve Heating



Adequate whole
house heating



Setting times
and temperatures



Efficient use
of controls



Good controls
/ appliances



Warming up
/ Cooling down



Remember
H.I.V.E



H.I.V.E

Other Areas of Insulation

- ✓ Floor insulation
- ✓ Flat roof insulation
- ✓ Cavity wall Insulation
- ✓ Loft insulation
- ✓ Solid wall external insulation
- ✓ Solid wall internal insulation
- ✓ Secondary/ double glazing



H.I.V.E

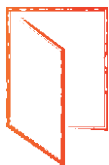
Controlling **V**entilation



**Trickle
vents**



**Close
doors**



**Open
windows**



Use extractor fan
(humidistat controlled)/cooker hood



**Remember
H.I.V.E**



H.I.V.E

Reduce **E**xcessive moisture



Do not use
bottle gas
heaters



Dry clothes outside
or use a dryer vented
to the outside



Put lids on
pans



Ways to save



LED light bulbs

Switch to LED light bulbs



Switch off

Switch off your appliances
when not in use



Draft proof

Draft proof windows and doors



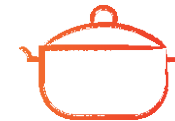
Put a lid on it

Always put a lid on your
pan when cooking



Turn it down

Turn down your thermostat
– even just one degree can make a saving



Change your methods

Use alternative appliances such as slow
cookers or air fryers

Draughtproofing windows and doors



A Little Energy Can Save a Lot



Let's recap what *we have learnt...*

Q

How can you **improve your heating?**

There are many ways including efficient controls and setting times and temperature

Q

Do **slow cookers** use more or less energy?

Slow cookers and air fryers use less energy

Q

What percentage of energy in the home is **used for heating?**

83% of energy is used for heating