

Environmental *Change* Institute



Warm homes, healthy people

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Medact

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Affordable warmth

10% of
income
for all
energy
services



Energy
efficiency
of the
dwelling

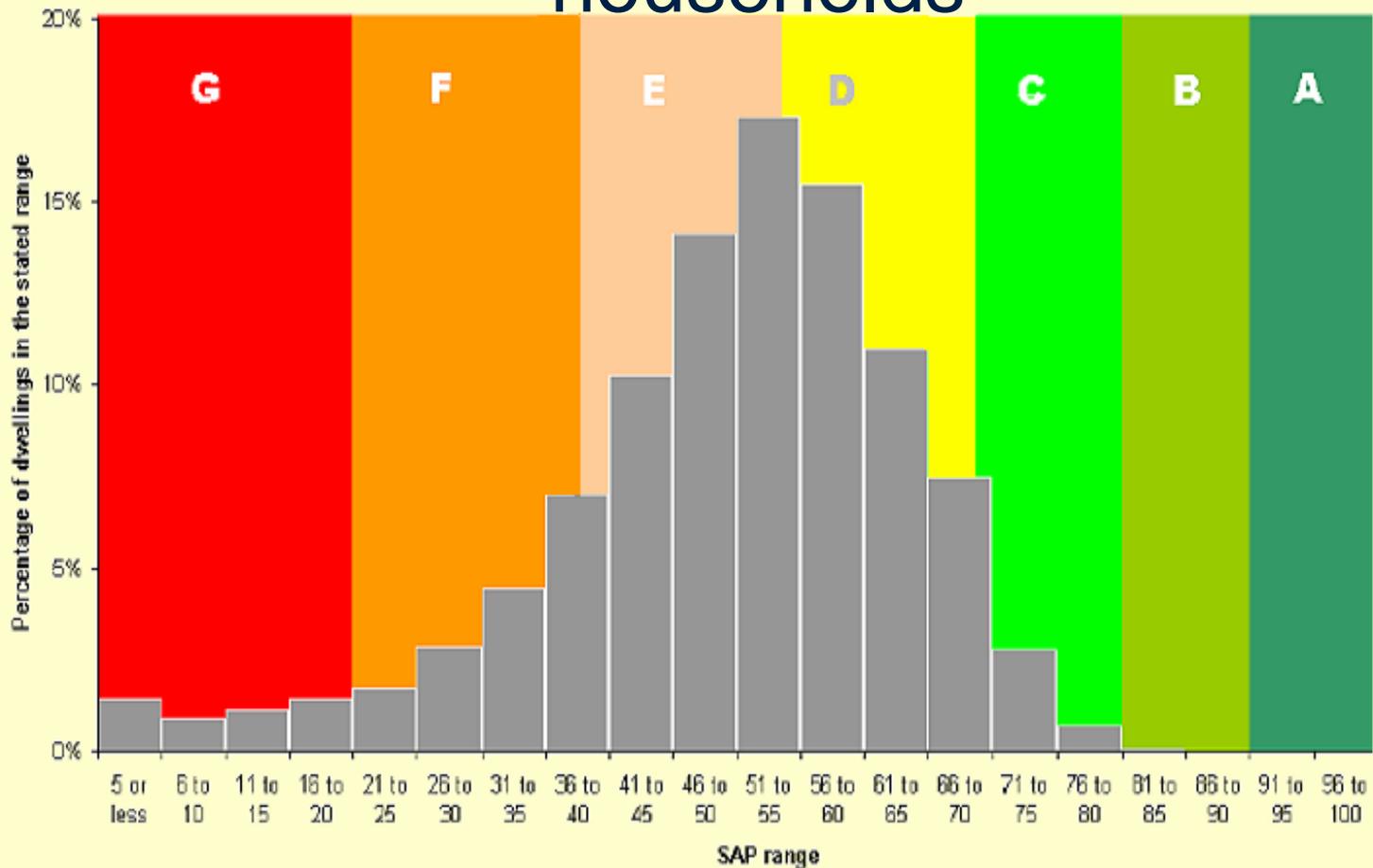


24 hour mean
internal
temperature of
18° C
(+ other
energy
services)

Income + housing

	Low income		High income		
Energy inefficient housing					
Energy efficient housing					

Energy efficiency distribution of households



Household expenditure on fuel UK 2014

	30% of households with lowest incomes	70% other	Average
Weekly fuel expenditure	£21.17	£27.79	£25.80
% of all expenditure on fuel	9.2%	3.3%	3.9%
Weekly budget	£231	£837	£655

Fuel poverty gap

The difference between the cost of what a fuel poor household should spend on fuel and the national average, both modelled

For 80,000 fuel poor households in G-rated properties the gap is £1,274 pa on average in 2013

ie they should be spending £2,000+ pa on fuel to be warm, well-lit home, with hot water

Heating expenditure for a low income, pensioner couple in council accommodation

Present

£6.65

For adequate warmth

a) existing poorly insulated home

- poor heating system £16.15 + £9.50
- efficient heating system £10.35 + £3.70

b) well insulated home

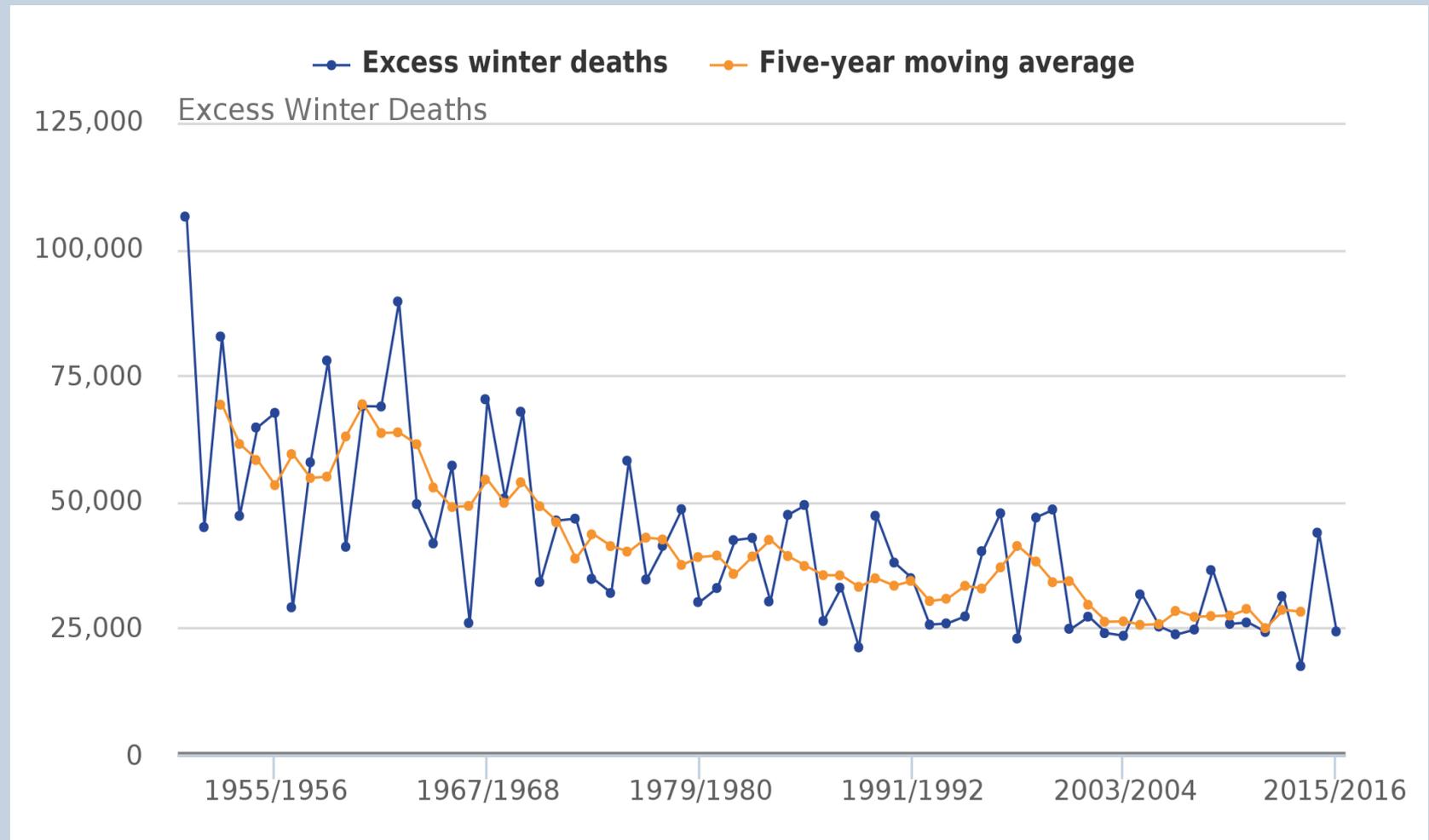
- efficient heating system £5.65 - £1.00

Fuel poverty strategy targets

- By 2020: lift 287,000 F & G to E+ @ 72,000 pa
- By 2025: lift 1,045,000 E to D+ @ 209,000 pa
- By 2030: lift 2,100,000 D to C+ @ 420,000 pa

- In 2013-14 lifted out of F & G 26,000

Excess winter deaths, England & Wales, 1950/51 to 2015/16



Fuel poverty and health

- Strong links between mental and physical ill health and fuel poverty
- Tackling fuel poverty a key preventative measure
- Work with health service for referrals and support
- Eg doctor's surgeries to identify areas of concentrated ill health, not individual patients
- Don't expect health services to pay for measures
- NICE guidance (March 2015)
- Single point of contact for housing and health

Cold-related ill health

- No firm data
- All age groups – NICE
- 1 death : X hospital admissions : Y GP visits ?

Résumé

- Cold homes expensive for NHS
- Need comprehensive policies on incomes and housing
- Low carbon = super efficient + micro-generation
- Clear strategy with targets and timescales

Thank you

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