UK Data Archive Study Number 7539 - English Housing Survey: Fuel Poverty Dataset, 2012

Fuel Poverty Dataset - Supplementary Variables Documentation 2010-13

2013

1. Information

The fuel poverty supplementary variables dataset contains additional variables to those in the fuel poverty dataset to provide more information for advanced users of the fuel poverty dataset. The variables contained in the supplementary dataset are presented in Table 1 and discussed in more detail in Section 2.

Table 1 - Fuel Poverty Dataset - Supplementary Variables

Variable Name	Variable Label
aacode	EHS case number
EARNINGSx	Income split: earnings (£)
BENEFITSx	Income split: benefits (including housing related benefits) (£)
SAVINGSx	Income split: savings and investment (£)
OTHERx	Income split: all other income sources including income from additional adults (£)
WFPx	Income split: Winter Fuel Payment (£)
IncSplit_flg	Income splits estimated due to missing information
Gas_spacost	Annual cost of gas/communal for space heating (£)
Gas_watcost	Annual cost of gas/communal for water heating (£)
Gas_cookcost	Annual cost of gas for cooking (£)
Elec_spacost	Annual cost of electricity for space heating (£)
Elec_watcost	Annual cost of electricity for water heating (£)
Elec_cookcost	Annual cost of electricity for cooking (£)
Elec_lightcost	Annual cost of electricity for lights and appliances (£)
Oil_spacost	Annual cost of oil/LPG/bottled gas for space heating (£)
Oil_watcost	Annual cost of oil/LPG/bottled gas for water heating (£)
Solid_spacost	Annual cost of solid fuel for space heating (£)
Solid_watcost	Annual cost of solid fuel for water heating (£)
usegas_spa	Energy used for gas space heating (kWh/yr)
usegas_wat	Energy used for gas water heating (kWh/yr)
usegas_coo	Energy used for gas cooking (kWh/yr)
useelec_spa	Energy used for electric space heating (kWh/yr)
useelec_wat	Energy used for electric water heating (kWh/yr)
useelec_coo	Energy used for electric cooking (kWh/yr)
useelec_lit	Energy used for lights and appliances (kWh/yr)
useoil_spa	Energy used for oil/LPG/bottled gas space heating (kWh/yr)
useoil_wat	Energy used for oil/LPG/bottled gas water heating (kWh/yr)
usesolid_spa	Energy used for solid fuel space heating (kWh/yr)
usesolid_wat	Energy used for solid fuel water heating (kWh/yr)
Ongas	Whether dwelling is on the gas network
HeatRegm	Heating Regime
BREDEMFloorArea	BREDEM 2012 floor area (m2)
CERTpriority	In CERT priority group
CERT_SPG	In CERT super priority group
WFG_preApr11	Eligible for Warm Front grant (based upon criteria prior to April 2011)
WFG_postApr11	Eligible for Warm Front grant (based upon criteria post April 2011 to Sept 2012)

2. Fuel Poverty Dataset 2013 – Supplementary Variables

A brief summary of each of the variables included in the 2010-13 fuel poverty supplementary data file is given below.

aacode - EHS Case Number

This variable is the unique identifier of the survey unit. As well as identifying the dwelling/household it enables 2013 EHS data files to be matched together, ensuring that the integrity of the dataset is maintained. The variable is an eight-character code. Address codes prefixed with a 'K' denote surveys conducted in the survey year 2012/13, whereas those prefixed with an 'L' denote surveys conducted in 2013/14.

Income Split variables

These flags provide a breakdown of the total household income into five individual components. The income variables are presented in terms of net income (net of tax and national insurance). These variables are listed as follows:

EARNINGSx - Income split: earnings (£)

This variable includes the income of the Household Reference Person (HRP) and any partner from employment and self-employment.

BENEFITSx - Income split: benefits (including housing related benefits) (£)

This variable includes the income of the HRP and any partner from all state benefits and allowances, including state retirement pension, as collected on the EHS interview survey. Housing related benefits and allowances are included in this variable as well as Mortgage Protection Payment Insurance (MPPI).

SAVINGSx - Income split: savings and investment (£)

This variable includes the income of the HRP and any partner from savings and investment based upon the amount of savings/investment reported by the household in the EHS interview survey.

OTHERx - Income split: all other income sources including income from additional adults (£)

This variable includes income from a variety of sources. It includes income of the HRP and any partner from private pensions, occupational pensions, 'other' sources e.g. income from rent, student loans, other kinds of regular allowance from outside the household etc. This income split variable also includes all income from additional adults in the household (i.e. household members that are in a different benefit unit to the HRP or partner, that are over the age of 18, or aged 16 or over if they are not in full-time education) with the exception of Winter Fuel Payment income that is included in the variables WFPx.

WFPx - Income split: Winter Fuel Payment (£)

This variable includes income from Winter Fuel Payment (WFP) that is modelled based upon eligibility of all household members.

IncSplit_flg - Income splits estimated due to missing information

There are cases in the EHS interview survey where the householder refused to answer/did not know their income sources. In this situation their assigned income is split between earnings, benefits and ‘other’ income, estimated based upon households that *did* answer their income sources based on the household’s working status and whether the HRP has partner/dependent children. There are also cases where the income of the HRP and any partner is uplifted in the low income imputation routine (see the Methodology Handbook for more information). In this situation their assigned income is split between earnings, benefits and ‘other’ income based upon the income sources originally selected in the interview survey. These cases are identified under the income split imputation flag ‘Income split estimated due to missing data’.

Energy Cost variables

These are modelled energy costs variables by end-use. The gas variables include energy used for communal heating systems while the electricity variables include all types of electricity. The space heating energy also includes both primary and secondary space heating. These variables are listed as follows:

Gas_spacost - Annual cost of gas/communal for space heating (£)

This variable gives a value in £/year for the modelled cost to the household of space heating. This value includes standing charges for gas and communal heating where applicable.

Gas_watcost - Annual cost of gas/communal for water heating (£)

This variable is the modelled annual cost of gas/communal for water heating.

Gas_cookcost - Annual cost of gas for cooking (£)

This variable is the modelled annual cost of gas for cooking.

Elec_spacost - Annual cost of electricity for space heating (£)

This variable is the modelled annual cost of electricity for space heating. This value includes standing charges for off-peak electricity (if present), over and above the standard rate electricity standing charge.

Elec_watcost - Annual cost of electricity for water heating (£)

This variable is the modelled annual cost of electricity for water heating.

Elec_cookcost - Annual cost of electricity for cooking (£)

This variable is the modelled annual cost of electricity for cooking.

Elec_lightcost - Annual cost of electricity for lights and appliances (£)

This variable gives a value in £/year for the modelled cost to the household of powering their lights and appliances. This value includes standing charge amounts for electricity not related specifically to heating (i.e. all standard rate standing charges). The £130 Warm Home Discount received by some households in 2012/13 and the £135 Warm Home Discount received by some households in 2013/14 is subtracted from this cost where applicable.

Oil_spacost - Annual cost of oil/LPG/bottled gas for space heating (£)

This variable is the modelled annual cost of oil/LPG/bottled gas fuel for space heating. This value includes standing charges for LPG where applicable.

Oil_watcost - Annual cost of oil/LPG/bottled gas for water heating (£)

This variable is the modelled annual cost of oil/LPG/bottled gas fuel for water heating.

Solid_spacost - Annual cost of solid fuel for space heating (£)

This variable is the modelled annual cost of solid fuel for space heating.

Solid_watcost - Annual cost of solid fuel for water heating (£)

This variable is the modelled annual cost of solid fuel for water heating.

Energy Use variables

These are end-use variables split by the modelled energy requirements for each household. The gas variables include energy used for communal heating systems while the electricity variables include all types of electricity. The space heating energy also includes both primary and secondary space heating. These variables are listed as follows:

usegas_spa - Energy used for gas space heating (kWh/yr)

This variable is the modelled gas requirement for space heating for each household.

usegas_wat - Energy used for gas water heating (kWh/yr)

This variable is the modelled gas requirement for water heating for each household.

usegas_coo - Energy used for gas cooking (kWh/yr)

This variable is the modelled gas requirement for cooking for each household.

useelec_spa - Energy used for electric space heating (kWh/yr)

This variable is the modelled electricity requirement for space heating for each household.

useelec_wat - Energy used for electric water heating (kWh/yr)

This variable is the modelled electricity requirement for water heating for each household.

useelec_coo - Energy used for electric cooking (kWh/yr)

This variable is the modelled electricity requirement for cooking for each household.

useelec_lit - Energy used for lights and appliances (kWh/yr)

This variable is the modelled electricity requirement for lights and appliances for each household.

useoil_spa - Energy used for oil/LPG/bottled gas space heating (kWh/yr)

This variable is the modelled oil/LPG/bottled gas requirement for space heating for each household.

useoil_wat - Energy used for oil/LPG/bottled gas water heating (kWh/yr)

This variable is the modelled oil/LPG/bottled gas requirement for water heating for each household.

usesolid_spa - Energy used for solid fuel space heating (kWh/yr)

This variable is the modelled solid fuel requirement for space heating for each household.

usesolid_wat - Energy used for solid fuel water heating (kWh/yr)

This variable is the modelled solid fuel requirement for water heating for each household.

Other variables

Ongas - Whether dwelling is on the gas network

This variable consists of a yes / no flag indicating whether or not a dwelling has a current connection to mains gas. The flag is based on the observations made by the surveyor as to whether the dwelling has mains gas connection combined with the types of fuels recorded for the space and water heating systems.

HeatRegm - Heating Regime

This variable defines the pattern and extent to which a house is heated. The heating regime of a household is either standard, full, partial full or partial standard (see the Methodology Handbook for more information).

BREDEMFloorArea – BREDEM 2012 floor area (m2)

This variable is the modelled floor area used in the BREDEM 2012 energy model.

Policy Eligibility Flags

These indicate whether the HRP and their partner, or in some cases the household, are eligible or likely to be eligible for a range of DECC policies. Some of the policy eligibility flags are based upon the theoretical benefit flags as opposed to benefit receipt as recorded in the EHS survey. Where this is the case it is clearly stated in the text.

CERTpriority - In CERT priority group

This is a yes / no variable that is mainly based upon benefit receipt of the HRP and any partner as recorded on the EHS interview survey and the age of the HRP and any partner. The Carbon Emission Reduction Target (CERT) scheme closed on the 31st Dec 2012, however the CERT priority group variable is still produced for the 2013 dataset based upon the following criteria:

- In receipt of at least one of the following qualifying benefits/allowances
    - Income support or Job Seekers Allowance/incapacity benefit that included income support
    - Income-based Job Seekers Allowance
    - Income-based Employment and Support Allowance
    - Housing benefit/Local Housing Allowance
    - Council tax benefit based upon theoretical eligibility to council tax benefit as opposed to recorded receipt of council tax benefit
    - Pension credit
    - Child Tax Credit or Working Tax Credit where the HRP and any partner had a relevant gross income of less than £16,190 (this limit is irrelevant if they receive other eligible benefits).
    - Attendance Allowance
    - Disability Living Allowance
- Or where the HRP and any partner are aged 70 or over.

CERT_SPG - In CERT super priority group

To be added into the dataset on completion of the 2013 Benefit Flag Modelling.

WFG_preApr11 - Eligible for Warm Front grant (based upon criteria prior to April 2011)

This Warm Front eligibility flag is based upon the criteria prior to April 2011. It is a yes / no variable that is mainly based upon benefit receipt of the HRP and any partner as recorded on the EHS interview survey and the age of the HRP and any partner/dependent children. The Warm Front flag is for private sector households only. The Warm Front scheme closed on the 19th Jan 2013, but the variable is still produced for the 2013 dataset based upon the following criteria:

- A private sector household where either the HRP or partner is aged 60 or over or a household where the HRP/partner is responsible for a child aged 16 or under and in receipt of one or more of the following benefits/allowances:
    - Income support or Job Seekers Allowance/incapacity benefit that included income support
    - Income-based Job Seekers Allowance
    - Income-based Employment and Support Allowance
    - Housing benefit/Local Housing Allowance
    - Council tax benefit based upon theoretical eligibility to council tax benefit as opposed to recorded receipt of council tax benefit

    - Pension credit
- Any private sector household in receipt of one or more of the following benefits/allowance:
    - Income support or Job Seekers Allowance/incapacity benefit that included income support (modelled to be accompanied by a disability premium)
    - Housing benefit/Local Housing Allowance (modelled to be accompanied by a disability premium)
    - Council tax benefit based upon theoretical eligibility to council tax benefit as opposed to recorded receipt of council tax benefit (modelled to be accompanied by a disability premium)
    - Child Tax Credit or Working Tax Credit (the latter modelled to be accompanied by a disability premium) where the HRP and any partner had a relevant gross income of less than the first income threshold amount to Child Tax Credit of £15,860 (this limit is irrelevant if they receive other eligible benefits)
    - Disability Living Allowance
    - Attendance Allowance.

WFG_postApr11 - Eligible for Warm Front grant (based upon criteria post April 2011 to Sept 2012)

To be added onto the dataset on completion of the 2013 Benefit Flag Modelling.