DB070: ORDER OF SELECTION OF PSU

Topic and detailed topic: Technical items/Data collection information

Variable type: Annual

Unit: Household

Reference period: At selection

Mode of collection: Frame, register or sample design

In use (period): Yes, since the first year of EU-SILC data collection

Series' differences: Yes (2014)

VALUES AND FORMAT

1 – 99999

FLAGS

From 2021 (revised flags)

11	Order on sampling frame is fixed for all EU-SILC survey years and primary sampling units (PSUs) have an equal probability of selection (within explicit strata)
12	Order on sampling frame is fixed for all EU-SILC survey years and PSUs have an unequal probability of selection (within explicit strata)
21	Order on sampling frame may change over time and PSUs have an equal probability of selection (within explicit strata)
22	Order on sampling frame may change over time and PSUs have an unequal probability of selection (within explicit strata)
-2	Not applicable (no systematic selection)

From 2014-2020

-2 Not applicable (no systematic selection)

Or a combination of two digits:

First digit: fixed or changing order of selection

1 order on sampling frame is fixed for all EU-SILC survey years

2 order on sampling frame may change over time

Second digit: probability of selection of PSUs

1 PSUs have an equal probability of selection (within explicit strata)

2 PSUs have an unequal probability of selection (within explicit strata)

e.g. the order of PSUs on the sampling frame remains fixed for the entire duration of EU-SILC and PSUs are selected with a probability equal to their size: the flag is equal to 12

Before 2014

1 filled

-2 not applicable (no systematic selection)

DESCRIPTION

If primary sampling units (or households in case of direct-element sampling) are selected systematically, DB070 contains the rank of selection of those units, order of selection of PSU, and order of selection of PSU as used in the selection of the sample. If PSUs rotate in and out of the sample, this rank should correspond to the rank on the sampling frame, such that PSUs newly selected in the sample could be grouped together on the basis of the order of all PSUs on the sampling frame. The value for DB070 of every selected PSU remains the same for the entire duration of EU-SILC. This information is important for variance estimation purposes because a systematic drawing from a judiciously ordered sampling frame may substantially reduce sampling errors.

If systematic selections have been performed at other sampling stages, additional variables DB070 (i-1), that is the order of the selection of the units of stage *'i'* (i>1), must be transmitted too.

In order to facilitate the computation of the standard errors for i) the common EU indicators, ii) the equivalised disposable income, iii) the unadjusted gender pay gap and iv) a list of income components, countries should[28] fill in this (these) variable(s) (in the case of systematic selection) for all panels and waves in the file, and not

[28] Agreement during the Living Conditions Working Group meeting in June 2009