

EU-SILC

Variables List and Syntax Checks
Logical Checks

Cross-sectional Component 2012

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|----------------------|---------------------------------------|----------------------|---------------------------------|
| DB010 | 2012 | | | Year of the survey |
| DB020 | COUNTRY CODE | | | Country |
| DB030 | ID | | | Household ID |
| DB040 | NUTS 10 CODE | (-1,1) | | Region |
| DB050 | 1-99999 | (-2,1) | | Primary strata |
| DB060 | 1-99999 | (-2,1) | | PSU-1 |
| DB061* | 1-99999 | (-2,1) | | PSU-2 |
| DB062 | 1-99999 | (-2,1) | | SSU-1 |
| DB063* | 1-99999 | (-2,1) | | SSU-2 |
| DB070 | 1-99999 | (-2,1) | | Order of the selection of PSU-1 |
| DB071* | 1-99999 | (-2,1) | | Order of the selection of PSU-2 |
| DB072* | 1-99999 | (-2,1) | | Order of the selection of SSU-1 |
| DB073* | 1-99999 | (-2,1) | | Order of the selection of SSU-2 |
| DB075 | 1-9 | (-2,1) | | Rotational group |
| DB080 | 0-99999 (5 decimals) | (-2,1) | | Household design weight |

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|---------------------------------|---------------------------------------|-------------------------|---|
| DB090 | 0-99999 (5 decimals) | (1) | | Household cross-sectional weight |
| DB100 | 1-3 | (-1,1) | | Degree of urbanisation |
| DB120 | (11,21,22,23) | (-1,1) | | Record of contact at address |
| DB130 | (11,21,22,23,24) | (-2,-1,1) | DB120 ne 11 | Household questionnaire result |
| DB135 | 1-2 | (-2,-1,1) | DB130 ne 11 | Household interview acceptance |
| RB010 | 2012 | | | Year of the survey |
| RB020 | COUNTRY CODE | | | Country |
| RB030 | ID | | | Personal ID |
| RB031 | 1890-2012 | (-2,-1,1) | | Year of imigration |
| RB041* | 101-999999999 | (-2,1) | | Personal ID previous year |
| RB050 | 0-99999 (5 decimals) | (1) | | Personal cross-sectional weight |
| RB070 | 1-12 | (-1,1) | | Month of birth |
| RB080 | 1890-2012 | (-1,1) | | Year of birth |
| RB090 | 1-2 | (-1,1) | | Sex |
| RB200 | 1-2 | (-1,1) | | Residential status |
| RB210 | 1-4 | (-1,1) | | Basic activity status |
| RB220 | 101-999999999 | (-2,-1,1) | | Father ID |
| RB230 | 101-999999999 | (-2,-1,1) | | Mother ID |
| RB240 | 101-999999999 | (-2,-1,1) | | Spouse/partner ID |
| RB245 | 1-4 | (1) | | Respondent Status |
| RB250 | (11,12,13,14,21,22,23,31,32,33) | (-2,1) | RB245 = 4 | Data Status |
| RB260 | 1-5 | (-2,-1,1) | RB250 not in (11,13) | Type of interview |
| RB270 | 101-999999999 | (-2,-1,1) | RB260 ne 5 | ID of person who filled in the individual questionnaire |
| RL010 | 0-99 | (-2,-1,1) | | Education at pre-school |
| RL020 | 0-99 | (-2,-1,1) | | Education at compulsory school |

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|---------------------------------------|--|----------------------|--|
| RL030 | 0-99 | (-2,-1,1) | | Child care at center based services |
| RL040 | 0-99 | (-2,-1,1) | | Child care at day-care center |
| RL050 | 0-99 | (-2,-1,1) | | Child care by professional child-minder |
| RL060 | 0-99 | (-2,-1,1) | | Child care by relatives etc |
| RL070 | 0-99999 (5 decimals) | (-2,1) | | Child care weight |
| HB010 | 2012 | | | Year of the survey |
| HB020 | COUNTRY CODE | | | Country |
| HB030 | ID | | | Household ID |
| HB040 | 1-31 | (-1,1) | | Day of household interview |
| HB050 | 1-12 | (-1,1) | | Month of household interview |
| HB060 | 2012-2012 | (1) | | Year of Household interview |
| HB070 | 101-999999999 | (-1,1) | | ID of person responding the questionnaire |
| HB080 | 101-999999999 | (-1,1) | | ID of person 1 responsible for the accommodation |
| HB090 | 101-999999999 | (-2,-1,1) | | ID of person 2 responsible for the accommodation |
| HB100 | 1-90 | (-1,1) | | Number of minutes to complete |
| HY010 | -99999999.99-99999999.99 (2 decimals) | (-1,0,1,2,3,4) +IF | | Total gross income |
| HY020 | -99999999.99-99999999.99 (2 decimals) | (-1,0,1,2,3,4) +IF | | Total disposable income |
| HY022 | -99999999.99-99999999.99 (2 decimals) | (-1,0,1,2,3,4) +IF | | Total disposable income before social transfers except old-age ans survivors benefits |
| HY023 | -99999999.99-99999999.99 (2 decimals) | (-1,0,1,2,3,4) +IF | | Total disposable income before social transfers including old- age ans survivors benefits |
| HY025 | -100-100 (5 decimals) | (-1,1) | | Non-response inflation factor |
| HY030N* | 0-99999999.99 (2 decimals) | (-5,-1,0,1) | | Imputed rent |
| HY040N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Income from rental of property or land |

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|----------------------------|--|----------------------|--|
| HY050N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Family-children related allowances |
| HY060N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Social assistance |
| HY070N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Housing allowances |
| HY080N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Regular inter-household cash transfer received |
| HY081N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Almonies received |

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|----------|---------------------------------------|--|----------------------|--|
| HY090N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Interest dividends profit from capital investments in unincorporated business |
| HY100N* | 0-99999999.99 (2 decimals) | (-5,-1,0,1) +IF | | Interest paid on mortgage |
| HY110N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Income received by people aged under 16 |
| HY120N* | 0-99999999.99 (2 decimals) | (-5,-4,-1,0,1) +IF | | Regular taxes on wealth |
| HY130N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Regular inter-household cash transfer paid |
| HY131N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Almonies paid |
| HY140N* | -99999999.99-99999999.99 (2 decimals) | (-5,-1,0,1) +IF | | Tax on income and social contributions |
| HY145N* | -99999999.99-99999999.99 (2 decimals) | (-5,-1,0,1) +IF | | Repayments-receipts from tax adjustments |

Variable List and Syntax Checks

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|----------|----------------------------|--|----------------------|--|
| HY170N | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Value of goods produced for own consumption |
| HY030G | 0-99999999.99 (2 decimals) | (-1,0,1) | | Imputed rent |
| HY040G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Income from rental of property or land |
| HY050G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Family-children related allowances |
| HY060G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Social assistance |
| HY070G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Housing allowances |
| HY080G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Regular inter-household cash transfer received |
| HY081G* | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Almonies received |
| HY090G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Interest dividends profit from capital investments in unincorporated business |
| HY100G | 0-99999999.99 (2 decimals) | (-1,0,1) +IF | | Interest paid on mortgage |
| HY110G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Income received by people aged under 16 |
| HY120G | 0-99999999.99 (2 decimals) | (-4,-1,0,1) +IF | | Regular taxes on wealth |
| HY130G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Regular inter-household cash transfer paid |

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| HY131G* | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Almonies paid |
| HY140G | -99999999.99-99999999.99 (2 decimals) | (-1,0,1) +IF | | Tax on income and social contributions |
| HY170G | 0-99999999.99 (2 decimals) | (-5,- 1,0,1,2,3,4,5,6) +IF | | Value of goods produced for own consumption |
| HS011 | 1-3 | (-2,-1,1) | | Arrears on mortgage or rent payments |
| HS021 | 1-3 | (-2,-1,1) | | Arrears on utility bills |
| HS031 | 1-3 | (-2,-1,1) | | Arrears on hire purchase instalments or other loan payments |
| HS040 | 1-2 | (-1,1) | | Capacity to afford paying for one week annual holiday away from home |
| HS050 | 1-2 | (-1,1) | | Capacity to afford a meal with meat chicken fish or vegetarian equivalent every second day |
| HS060 | 1-2 | (-1,1) | | Capacity to face unexpected financial expenses |
| HS070 | 1-3 | (-1,1) | | Do you have a telephone including mobile phone? |
| HS080 | 1-3 | (-1,1) | | Do you have a colour TV? |
| HS090 | 1-3 | (-1,1) | | Do you have a computer? |
| HS100 | 1-3 | (-1,1) | | Do you have a washing machine? |
| HS110 | 1-3 | (-1,1) | | Do you have a car? |
| HS120 | 1-6 | (-1,1) | | Ability to make ends meet |
| HS130 | 1-99999999.99 (2 decimals) | (-1,1) | | Lowest monthly income to make ends meet |
| HS140 | 1-3 | (-2,-1,1) | | Total housing cost is a financial burden |
| HS150 | 1-3 | (-2,-1,1) | | Repayment of debts from hire purchases or loans are a financial burden to the household |
| HS160 | 1-2 | (-1,1) | | Problems with the dwelling: too dark not enough light |
| HS170 | 1-2 | (-1,1) | | Noise from neighbours or noise from the street |
| HS180 | 1-2 | (-1,1) | | Pollution grime or other environmental problems in area caused by traffic or industry |
| HS190 | 1-2 | (-1,1) | | Crime violence or vandalism in the area |
| HH010 | 1-5 | (-1,1) | | Dwelling type |
| HH021 | 1-5 | (-1,1) | | Tenure status |
| HH030 | 1-10 (1 decimals) | (-1,1) | | Number of rooms available to household |
| HH031* | 1890-2012 | (-2,-1,1) | | Year of contract or purchasing or installation |
| HH040 | 1-2 | (-1,1) | | Leaking roof/damp walls/floors/foundation or rot in window frames or floor |

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|----------|----------------------------|---------------------------------------|-----------------------|---|
| HH050 | 1-2 | (-1,1) | | Ability to keep home adequately warm |
| HH060 | 1-99999999.99 (2 decimals) | (-2,-1,1) | HH021 not in (3,4) | Current rent related to occupied dwelling |
| HH061* | 1-99999999.99 (2 decimals) | (-2,-1,1) | (HH021 =3) | Subjective rent related to non-tenant paying rent at market price |
| HH070 | 0-99999999.99 (2 decimals) | (-1,1) | | Total housing cost |
| HH071 | 0-99999999.99 (2 decimals) | (-1,1) | (HH021 ne 2) | Mortgage principal repayment |
| HH081 | 1-3 | (-1,1) | | Bath or shower in dwelling |
| HH091 | 1-3 | (-1,1) | | Indoor flushing toilet for sole use of household |
| PB010 | 2012 | | | Year of the survey |
| PB020 | COUNTRY CODE | | | Country |
| PB030 | ID | | | Personal ID |
| PB040 | 0-99999 (5 decimals) | (1) | | Personal cross-sectional weight 16+ |
| PB060 | 0-99999 (5 decimals) | (-3,-2,1) | | Personal cross-sectional weight for selected respondent |
| PB070 | 0-99999 (5 decimals) | (-3,-2,1) | | Personal design weight for selected respondent |
| PB090 | 1-31 | (-1,1) | | Day of the personal interview |
| PB100 | 1-12 | (-1,1) | | Month of the personal interview |

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|----------|--|---------------------------------|----------------------|---|
| PB110 | 2012-2012 | (-1,1) | | Year of the personal interview |
| PB120 | 1-90 | (-2,-1,1) | | Number of minutes to complete the questionnaire |
| PB130 | 1-12 | (-1,1) | | Month of birth |
| PB140 | 1890-1995 | (-1,1) | | Year of birth |
| PB150 | 1-2 | (-1,1) | | Sex |
| PB160 | 101-99999999 | (-2,-1,1) | | Father ID |
| PB170 | 101-99999999 | (-2,-1,1) | | Mother ID |
| PB180 | 101-99999999 | (-2,-1,1) | | Spouse/partner ID |
| PB190 | 1-5 | (-1,1) | | Marital status |
| PB200 | 1-3 | (-1,1) | | Consensual Union |
| PB210 | ("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH") | (-1,1) | | Country of birth |
| PB220A | ("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH") | (-1,1) | | Citizenship 1 |
| PB220B | ("BE","DK","DE","EL","ES","FR","IE","IT","LU","NL","AT","PT","FI","SE","UK","BG","CY","CZ","EE","HU","LV","LT","MT","PL","RO","SK","SI","IS","NO","CH","TR","HR","MK","OEU","NAF","WAF","OAF","USA","CAN","CSA","NME","OAS","OCE","OTH") | (-2,-1,1) | | Citizenship 2 |
| PE010 | 1-2 | (-1,1) | | Current education activity |
| PE020 | 0-6 | (-2,-1,1) | PE010 ne 1 | ISCED level currently attended |
| PE030 | 1900-2012 | (-2,-1,1) | | Year highest level of education attained |
| PE040 | 0-6 | (-2,-1,1) | | Highest ISCED level attained |
| PL031 | 1-11 | (-1,1) | | Self-defined current economic status |
| PL035* | 1-2 | (-3,-2,-1,1) | | Worked at least 1 hour ,previous week |
| PL015 | 1-2 | (-2,-1,1) | (PL031 in (1,2,3,4)) | Have you ever worked? |
| PL020 | 1-2 | (-2,-1,1) | (PL031 in (1,2,3,4)) | Actively looking for a job |
| PL025 | 1-2 | (-2,-1,1) | PL020 ne 1 | Available for work |

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|----------|---|---------------------------------------|--|--|
| PL040 | 1-4 | (-2,-1,1) | (PL031 not in (1,2,3,4) and PL015 ne 1) | Status in employment |
| PL051 | (11,12,13,14,21,22,23,24,25,26,31,32,33,34,35,41,42,43,44,5 1,52,53,54,61,62,63,71,72,73,74,75,81,82,83,91,92,93,94,95, 96,01,02,03) | (-2,-1,1) | (PL031 not in (1,2,3,4) and PL015 ne 1) | Occupation/ISCO-08-COM |
| PL060 | 1-99 | (-6,-2,-1,1) | (PL031 not in (1,2,3,4)) | Number of hours per week worked in main job |
| PL073 | 0-12 | (-1,1) | | Number of months spent at full-time work as employee |
| PL074 | 0-12 | (-1,1) | | Number of months spent at part-time work as employee |
| PL075 | 0-12 | (-1,1) | | Number of months spent at full-time work as self-employed (including family worker) |
| PL076 | 0-12 | (-1,1) | | Number of months spent at part-time work as self-employed (including family worker) |
| PL080 | 0-12 | (-1,1) | | Number of months spent in unemployment |
| PL085 | 0-12 | (-1,1) | | Number of months spent in retirement or early retirement |
| PL086 | 0-12 | (-1,1) | | Number of months spent as disabled or/and unfit to work |
| PL087 | 0-12 | (-1,1) | | Number of months spent studying |
| PL088 | 0-12 | (-5,-1,1) | | Number of months spent in compulsory military service |
| PL089 | 0-12 | (-5,-1,1) | | Number of months spent fulfilling domestic tasks and care responsibilities |
| PL090 | 0-12 | (-1,1) | | Number of months spent in other inactivity |
| PL100 | 1-99 | (-2,-1,1) | | Total number of hours usually worked in second third jobs |
| PL111 | (01,02,03,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,2 1,22,23,24,25,26,27,28,29,30,31,32,33,35,36,37,38,39,41,42, 43,45,46,47,49,50,51,52,53,55,56,58,59,60,61,62,63,64,65,66 ,68,69,70,71,72,73,74,75,77,78,79,80,81,82,84,85,86,87,88,9 0,91,92,93,94,95,96,97,98,99) | (-3,-2,-1,1) | (PL031 not in (1,2,3,4)) | NACE Rev2 |
| PL120 | 1-7 | (-3,-2,-1,1) | (PL031 not in (1,2,3,4)) or sum(PL060,P L100) ge 30 | Reason for working less than 30 hours |
| PL130 | 1-15 | (-3,-2,-1,1) | (PL031 not in (1,2,3,4)) | Number of persons working at the local unit |
| PL140 | 1-2 | (-4,-3,-2,-1,1) | PL040 ne 3 | Type of contract |
| PL150 | 1-2 | (-3,-2,-1,1) | PL040 ne 3 | Managerial position |

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| PL160* | 1-2 | (-3,-2,-1,1) | (PL031 not in (1,2,3,4)) | Change of job since last year |
| PL170* | 1-7 | (-3,-2,-1,1) | PL160 ne 1 | Reason for change |
| PL180* | 1-12 | (-3,-2,-1,1) | | Most recent change in the individuals activity status |
| PL190* | 8-65 | (-3,-2,-1,1) | | When began first regular job |
| PL200* | 0-65 | (-3,-2,-1,1) | | Number of years spent in paid work |
| PL211A* | 1-11 | (-3,-1,1) | | Main activity in January |
| PL211B* | (01,02,03,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,35,36,37,38,39,41,42,43,45,46,47,49,50,51,52,53,55,56,58,59,60,61,62,63,64,65,66,68,69,70,71,72,73,74,75,77,78,79,80,81,82,84,85,86,87,88,90,91,92,93,94,95,96,97,98,99) | (-3,-1,1) | | Main activity in February |
| PL211C* | 1-11 | (-3,-1,1) | | Main activity in March |
| PL211D* | 1-11 | (-3,-1,1) | | Main activity in April |
| PL211E* | 1-11 | (-3,-1,1) | | Main activity in May |
| PL211F* | 1-11 | (-3,-1,1) | | Main activity in June |
| PL211G* | 1-11 | (-3,-1,1) | | Main activity in July |
| PL211H* | 1-11 | (-3,-1,1) | | Main activity in August |
| PL211I* | 1-11 | (-3,-1,1) | | Main activity in September |
| PL211J* | 1-11 | (-3,-1,1) | | Main activity in October |
| PL211K* | 1-11 | (-3,-1,1) | | Main activity in November |
| PL211L* | 1-11 | (-3,-1,1) | | Main activity in December |
| PH010 | 1-5 | (-3,-1,1) | | General health |
| PH020 | 1-2 | (-3,-1,1) | | Suffer from any chronic illness or condition |
| PH030 | 1-3 | (-3,-1,1) | | Limitation in activities because health problems |
| PH040 | 1-2 | (-3,-1,1) | | Unmet need for medical examination or treatment |
| PH050 | 1-8 | (-3,-2,-1,1) | PH040 ne 1 | Reason for unmet need for medical examination or treatment |
| PH060 | 1-2 | (-3,-1,1) | | Unmet need for dental examination or treatment |
| PH070 | 1-8 | (-3,-2,-1,1) | PH060 ne 1 | Reason for unmet need for dental examination or treatment |
| PY010N* | | (-5,-1,0,11,12,13,21,22,23,31,32,33,41,42,43,51,52,53,55,61,62,60 3) +IF | | Net employee cash or near cash income |

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| PY020N* | 0-99999999.99 (2 decimals) | (-6,-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Net Non-Cash employee income |
| PY021N* | 0-99999999.99 (2 decimals) | (-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Company car |
| PY035N* | 0-99999999.99 (2 decimals) | (-5,-1,0,1) +IF | | Contributions to individual pension plans |
| PY050N* | -1000000000-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Net cash benefits or losses from self- employment |
| PY080N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Regular pension from private plans |
| PY090N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Unemployment benefits |

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| PY100N* | 0-99999999.99 (2 decimals) | (-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Old-age benefits |
| PY110N* | 0-99999999.99 (2 decimals) | (-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Survivor benefits |
| PY120N* | 0-99999999.99 (2 decimals) | (-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Sickness benefits |
| PY130N* | 0-99999999.99 (2 decimals) | (-5,-4,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Disability benefits |
| PY140N* | 0-99999999.99 (2 decimals) | (-5,- 1,0,11,12,13, 21,22,23,31,32 ,33, 41,42,43,51,52 ,53,55,61,62,6 3) +IF | | Education-related allowances |

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|--------------------------------------|---------------------------------------|----------------------|---|
| PY010G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Gross employee cash or near cash income |
| PY020G | 0-99999999.99 (2 decimals) | (-6,-4,- 1,0,1,2,3,4,5,6) +IF | | Gross Non-Cash employee income |
| PY021G | 0-99999999.99 (2 decimals) | (-4,- 1,0,1,2,3,4,5,6) +IF | | Company car |
| PY030G | 0-99999999.99 (2 decimals) | (-1,0,1) +IF | | Employers social insurance contribution |
| PY031G* | 0-99999999.99 (2 decimals) | (-1,0,1) +IF | | Optional employers social insurance contribution |
| PY035G | 0-99999999.99 (2 decimals) | (-1,0,1) +IF | | Contributions to individual pension plans |
| PY050G | -1000000000-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Gross cash benefits or losses from self- employment |
| PY080G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Regular pension from private schemes |
| PY090G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Unemployment benefits |
| PY100G | 0-99999999.99 (2 decimals) | (-4,- 1,0,1,2,3,4,5,6) +IF | | Old-age benefits |
| PY110G | 0-99999999.99 (2 decimals) | (-4,- 1,0,1,2,3,4,5,6) +IF | | Survivor benefits |
| PY120G | 0-99999999.99 (2 decimals) | (-4,- 1,0,1,2,3,4,5,6) +IF | | Sickness benefits |
| PY130G | 0-99999999.99 (2 decimals) | (-4,- 1,0,1,2,3,4,5,6) +IF | | Disability benefits |
| PY140G | 0-99999999.99 (2 decimals) | (- 1,0,1,2,3,4,5,6) +IF | | Education-related allowances |

Variable List and Syntax Checks

| Variable | Values | Flags / Imputation factor (+IF) | Not applicable if | Label |
|----------|----------------------------|---------------------------------------|----------------------|--|
| PY200G | 0-99999999.99 (2 decimals) | (-2,- 1,0,1,2,3,4,5,6) +IF | | Gross monthly earnings for employees |
| HC010 | 1-2 | (-1,1) | | Shortage of space in the dwelling |
| HC020 | 0-999 | (-1,1) | | Size of the dwelling in square meters |
| HC030 | 1-2 | (-2,-1,1) | | Adequate electrical installations |
| HC040 | 1-2 | (-2,-1,1) | | Adequate plumbing/water installations |
| HC050 | 1-4 | (-1,1) | | Dwelling equipped with heating facilities |
| HC060 | 1-2 | (-1,1) | | Dwelling comfortably warm during winter time |
| HC070 | 1-2 | (-1,1) | | Dwelling comfortably cool during summer time |
| HC080 | 1-4 | (-1,1) | | Overall satisfaction with the dwelling |
| HC090 | 1-4 | (-2,-1,1) | | Accessibility of grocery services |
| HC100 | 1-4 | (-2,-1,1) | | Accessibility of banking services |
| HC110 | 1-4 | (-2,-1,1) | | Accessibility of postal services |
| HC120 | 1-4 | (-2,-1,1) | | Accessibility of public transport |
| HC130 | 1-4 | (-2,-1,1) | | Accessibility of primary health care services |
| HC140 | 1-4 | (-2,-1,1) | | Accessibility of compulsory school |
| HC150 | 1-3 | (-1,1) | | Immediate risk of changing the dwelling |
| HC160 | 1-5 | (-2,-1,1) | (HC150 ne 1) | Main reason for the expectation to be forced to leave the dwelling |
| PC170 | 1-2 | (-3,-1,1) | | Change of the dwelling |
| PC180 | 1-10 | (-3,-2,-1,1) | (PC170 = 2) | Main reason for the change of the dwelling |

Logical Checks

| # | Error/Warning | File(s) (join on) | Where |
|-----|---|------------------------|---|
| 101 | Structural - Error: DB030 - Duplicate ID numbers | D | having count(DB030) > 1 grouped by DB030 |
| 102 | Structural - Error: DB130 - Household data record is missing in H-file (or to drop) or DB130 not filled correctly | D,H(DB030 = HB030) | (DB130 = 11 and DB135 = 1 and HB030 = .) or (DB130 ne 11 and HB030 ne .) |
| 103 | Structural - Error: DB135 - Records are missing in R- or P-file or DB135 not filled correctly | D,R(DB030 = RHID) | DB135 = 1 having min(rb250) not in (11,12,13) grouped by RHID |
| 104 | Structural - Error: DB135 - In R- or P-file records to drop (or are missing) or DB135 not filled correctly | D,R(DB030 = RHID) | DB135 ne 1 and RB250 in (11,12,13) |
| 120 | Structural - Error: RB030 - Duplicate ID numbers | R | having count(RB030) > 1 grouped by RB030 |
| 121 | Structural - Error: RB030 - Corresponding household does not exist in D-file | R,D(RHID = DB030) | DB030 = . |
| 123 | Structural - Warning: RB210 - Age and basic activity status may be not consistent | R | AGE < 16 and RB210 in (1,2,3) |
| 124 | Structural - Warning: RB245 - Age and eligibility are not consistent | R | (AGE >= 16 and RB245 not in (1,2,3)) or (AGE < 16 and RB245 in (1,2,3)) |
| 125 | Structural - Error: RB245 - Codes 1 and (2,3) cannot be mixed within the same household | R | RB245 in (1,2,3) having min(RB245) = 1 and max(RB245) in (2,3) grouped by RHID |
| 126 | Structural - Error: RB245 - Only one person can be selected respondent in the same household | R | RB245 = 2 having count(RB245) > 1 grouped by RHID |
| 127 | Structural - Error: RB250 - Data can be collected only from eligible persons | R | (RB250 in (11,12,13) and RB245 not in (1,2,3)) |
| 128 | Structural - Error: RB250 - Personal data record is missing in P-file or RB250 not filled correctly | R,P(RB030 = PB030) | (RB250 in (11,12,13,14) and PB030 = .) or ((RB250 not in (11,12,13,14)) and PB030 ne .) |
| 129 | Structural - Error: RB270 - Proxy is not household member or does not exist | R,R(a.RB270 = b.RB030) | a.RB270_F ge 0 and a.RHID ne b.RHID |
| 130 | Structural - Error: RB270 - The person cannot be proxy for himself | R | RB270_F ge 0 and RB030 = RB270 |
| 131 | Structural - Warning: RB080 RB090 - Age at date of interview is -1 | H,R(RHID = HB030) | floor((((HB060*100+HB050) - (RB080*100+RB070))/100) = -1 |
| 150 | Structural - Error: HB030 - Duplicate ID numbers | H | having count(HB030) > 1 grouped by HB030 |
| 151 | Structural - Error: HB070 - Person who filled in the questionnaire is not household member or does not exist | H,R(HB070 = RB030) | HB070_F ge 0 and RHID ne HB030 |
| 153 | Structural - Error: HB080 - Person 1 responsible for the accomodation is not household member or does not exist | H,R(HB080 = RB030) | HB080_F ge 0 and RHID ne HB030 |
| 154 | Structural - Warning: HB080 - Age of Person 1 responsible for the accomodation is below 16 | H,R(HB080 = RB030) | HB080_F ge 0 and AGE < 16 |
| 155 | Structural - Error: HB090 - Person 2 responsible for the accomodation is not household member or does not exist | H,R(HB090 = RB030) | HB090_F ge 0 and RHID ne HB030 |

Logical Checks

| # | Error/Warning | File(s) (join on) | Where |
|-----|---|------------------------|---|
| 156 | Structural - Warning: HB090 - Age of Person 2 responsible for the accomodation is below 16 | H,R(HB090 = RB030) | HB090_F ge 0 and AGE < 16 |
| 157 | Structural - Error: HB080 - Person 1 and person 2 responsible for the accomodation cannot be the same person | H | HB080_F ge 0 and HB080 = HB090 |
| 170 | Structural - Error: PB030 - Duplicate ID numbers | P | having count(PB030) > 1 grouped by PB030 |
| 172 | Structural - Error: PB130 PB140 PB150 - Birth date and sex must be equal in R- and P-file | P,R(PB030 = RB030) | (PB130 ne RB070) or (PB140 ne RB080) or (PB150 ne RB090) |
| 173 | Structural - Error: RB070 RB080 RB090 - Birth date or sex are missing | R | (RB080_F ne 1) or (RB090_F ne 1) |
| 174 | Structural - Warning: PB130 PB140 PB150 - Birth date or sex are missing | P | (PB130_F ne 1) or (PB140_F ne 1) or (PB150_F ne 1) |
| 301 | Relationship - Error: RB220 - Father is not household member or does not exist | R,R(a.RB220 = b.RB030) | a.RB220_F ge 0 and a.RHID ne b.RHID |
| 302 | Relationship - Error: RB220 - The person cannot be his own father | R | RB030 = RB220 |
| 303 | Relationship - Error: RB230 - Mother is not household member or does not exist | R,R(a.RB230 = b.RB030) | a.RB230_F ge 0 and a.RHID ne b.RHID |
| 304 | Relationship - Error: RB230 - The person cannot be his own mother | R | RB030 = RB230 |
| 305 | Relationship - Error: RB240 - Spouse/partner is not household member or does not exist | R,R(a.RB240 = b.RB030) | a.RB240_F ge 0 and a.RHID ne b.RHID |
| 306 | Relationship - Error: RB240 - The person cannot be his own spouse/partner | R | RB030 = RB240 |
| 307 | Relationship - Error: PB160 PB170 PB180 - Parents and/or spouse/partner must be equal in R- and P-file | P,R(PB030 = RB030) | (PB160_F ge 0 and PB160 ne RB220) or (PB170_F ge 0 and PB170 ne RB230) or (PB180_F ge 0 and PB180 ne RB240) |
| 310 | Relationship - Error: RB240 - The spouse/partner is not the same for both | R,R(a.RB240 = b.RB030) | a.RB240_F > 0 and a.RB030 ne b.RB240 |
| 311 | Relationship - Error: RB240 - Parents of spouses/partners must be different | R,R(a.RB240 = b.RB030) | (a.RB220_F ge 0 and a.RB220 = b.RB220) or (a.RB230_F ge 0 and a.RB230 = b.RB230) |
| 312 | Relationship - Error: RB220 - Sex of father cannot be female | R,R(a.RB220 = b.RB030) | b.RB090 = 2 |
| 313 | Relationship - Error: RB230 - Sex of mother cannot be male | R,R(a.RB230 = b.RB030) | b.RB090 = 1 |
| 315 | Relationship - Warning: RB230 - Child should be at least 15 years younger than its mother | R,R(a.RB230 = b.RB030) | a.RB230_F ge 0 and b.AGE - a.AGE < 15 and a.AGE ge 0 and b.AGE ge 0 |
| 320 | Relationship - Error: PB180 PB190 PB200 - Person has a spouse/partner but never married and no consensual union | P | PB180_F ge 0 and (PB190 = 1 and PB200 = 3) |

Logical Checks

| # | Error/Warning | File(s) (join on) | Where |
|-----|--|-------------------|---|
| 501 | Income - Error: HY030 - No corresponding gross value | H | HY030N ne 0 and HY030N ne . And HY030G in (0,,) |
| 502 | Income - Error: HY040 - No corresponding gross value | H | HY040N ne 0 and HY040N ne . And HY040G in (0,,) |
| 503 | Income - Error: HY050 - No corresponding gross value | H | HY050N ne 0 and HY050N ne . And HY050G in (0,,) |
| 504 | Income - Error: HY060 - No corresponding gross value | H | HY060N ne 0 and HY060N ne . And HY060G in (0,,) |
| 505 | Income - Error: HY070 - No corresponding gross value | H | HY070N ne 0 and HY070N ne . And HY070G in (0,,) |
| 506 | Income - Error: HY080 - No corresponding gross value | H | HY080N ne 0 and HY080N ne . And HY080G in (0,,) |
| 507 | Income - Error: HY090 - No corresponding gross value | H | HY090N ne 0 and HY090N ne . And HY090G in (0,,) |
| 508 | Income - Error: HY100 - No corresponding gross value | H | HY100N ne 0 and HY100N ne . And HY100G in (0,,) |
| 509 | Income - Error: HY110 - No corresponding gross value | H | HY110N ne 0 and HY110N ne . And HY110G in (0,,) |
| 510 | Income - Error: HY120 - No corresponding gross value | H | HY120N ne 0 and HY120N ne . And HY120G in (0,,) |
| 511 | Income - Error: HY130 - No corresponding gross value | H | HY130N ne 0 and HY130N ne . And HY130G in (0,,) |
| 512 | Income - Error: HY140 - No corresponding gross value | H | HY140N ne 0 and HY140N ne . And HY140G in (0,,) |
| 513 | Income - Error: PY010 - No corresponding gross value | P | PY010N ne 0 and PY010N ne . And PY010G in (0,,) |
| 514 | Income - Error: PY020 - No corresponding gross value | P | PY020N ne 0 and PY020N ne . And PY020G in (0,,) |
| 515 | Income - Error: PY021 - No corresponding gross value | P | PY021N ne 0 and PY021N ne . And PY021G in (0,,) |
| 516 | Income - Error: PY035 - No corresponding gross value | P | PY035N ne 0 and PY035N ne . And PY035G in (0,,) |
| 517 | Income - Error: PY050 - No corresponding gross value | P | PY050N ne 0 and PY050N ne . And PY050G in (0,,) |
| 519 | Income - Error: PY080 - No corresponding gross value | P | PY080N ne 0 and PY080N ne . And PY080G in (0,,) |
| 520 | Income - Error: PY090 - No corresponding gross value | P | PY090N ne 0 and PY090N ne . And PY090G in (0,,) |
| 521 | Income - Error: PY100 - No corresponding gross value | P | PY100N ne 0 and PY100N ne . And PY100G in (0,,) |
| 522 | Income - Error: PY110 - No corresponding gross value | P | PY110N ne 0 and PY110N ne . And PY110G in (0,,) |
| 523 | Income - Error: PY120 - No corresponding gross value | P | PY120N ne 0 and PY120N ne . And PY120G in (0,,) |
| 524 | Income - Error: PY130 - No corresponding gross value | P | PY130N ne 0 and PY130N ne . And PY130G in (0,,) |
| 525 | Income - Error: PY140 - No corresponding gross value | P | PY140N ne 0 and PY140N ne . And PY140G in (0,,) |
| 550 | Income - Error: HY010 - No total household income , but | H,P(HB030 = | having HY010 = 0 and sum(HGROINC,PGROINC,0) ne 0 grouped by HB030 |
| 551 | Income - Error: HY020 - No disposable household income , but | H,P(HB030 = | having HY020 = 0 and sum(HNETINC,PNETINC,0) ne 0 grouped by HB030 |
| 553 | Income - Error: HY110 - Income received by people aged | H,R(HB030 = | sum(HY110N,HY110G,0) > 0 having min(AGE) ge 16 grouped by HB030 |
| 560 | Income - Warning: HY010 - Great difference between total | H | HY010 > 0 and (HY010 < gross * 0.97 or HY010 > gross * 1.03) |
| 565 | Income - Error: HY020 - Must be equal or greater HY022 | H | HY020 > 0 and HY022 > HY020 |
| 566 | Income - Error: HY022- Must be equal or greater HY023 | H | HY022 > 0 and HY023 > HY022 |
| 567 | Income - Warning: HY020 - Great difference between total | H | HY020 > 0 and (HY020 < net20 * 0.97 or HY020 > net20 * 1.03) |
| 568 | Income - Warning: HY025 = 1 , but there exists personal non- | H,R(HB030 = | HY025 = 1 having max(RB250) > 14 grouped by RHID |
| 585 | Income - Warning: HY020 HH070 - Total housing cost > total | H | HH070 > 0 and (HH070 * 12) > HY020 |
| 586 | Income - Error: PY020G should include company car | P | (PY020G < PY021G) |
| 701 | Child Care - Error: RL010 - Value of variable not possible | R | (RL010_F = 1 and age gt 12) |

Logical Checks

| # | Error/Warning | File(s) (join on) | Where |
|-----|--|-------------------|---|
| 702 | Child Care - Error: RL020 - Value of variable not possible because of age | R | (RL020_F = 1 and age gt 12) |
| 703 | Child Care - Error: RL030 - Value of variable not possible because of age | R | (RL030_F = 1 and age gt 12) |
| 704 | Child Care - Error: RL040 - Value of variable not possible because of age | R | (RL040_F = 1 and age gt 12) |
| 705 | Child Care - Error: RL050 - Value of variable not possible because of age | R | (RL050_F = 1 and age gt 12) |
| 706 | Child Care - Error: RL060 - Value of variable not possible because of age | R | (RL060_F = 1 and age gt 12) |
| 707 | Child Care - Error: RL010,RL020 - Child cannot be at pre-school and compulsory school in the same week | R | RL010 > 0 and RL020 > 0 |
| 708 | Child Care - Error: RL030 - May be filled only if child is at (pre-)school | R | RL010_F = -2 and RL020_F = -2 and RL030_F = 1 |
| 709 | Child Care - Warning: RL010 - Value of variable shall be 0 if the question is asked | R | (RL010_F = -1 and age le 12) |
| 710 | Child Care - Warning: RL020 - Value of variable shall be 0 if the question is asked | R | (RL020_F = -1 and age le 12) |
| 711 | Child Care - Warning: RL030 - Value of variable shall be 0 if the question is asked | R | (RL030_F = -1 and age le 12) |
| 712 | Child Care - Warning: RL040 - Value of variable shall be 0 if the question is asked | R | (RL040_F = -1 and age le 12) |
| 713 | Child Care - Warning: RL050 - Value of variable shall be 0 if the question is asked | R | (RL050_F = -1 and age le 12) |
| 714 | Child Care - Warning: RL060 - Value of variable shall be 0 if the question is asked | R | (RL060_F = -1 and age le 12) |
| 715 | Child Care - Warning: Vaule for RL070 not realistic | R | (RL070_F = 1 and (RL070 le 1 or RL070 ge 20000)) |
| 716 | Child Care - Error: Sum of weekly hours greater than 168 | R | sum(RL010,RL020,RL030,RL040,RL050,RL060,0) gt 168 |
| 717 | Child Care - RL030 filled in but not RL010 and RL020 | R | (RL030_F = 1 and ((RL010 = 0 or RL010 is missing) and (RL020 = 0 or RL020 is missing))) |
| 718 | Child Care - Warning: RL030 not filled but RL010 or RL020 filled in | R | ((RL010_F = 1 or RL020_F = 1) and RL030_F= -1) |
| 721 | Education - Error: PE030,PE040 - PE030 and PE040 are inconsistent | P | (PE030_F = -2 or PE040_F = -2) and PE030_F ne PE040_F |
| 722 | Education - Warning: PE010 - Not in education but undergoing education or training | P | PE010 = 2 and PL120 = 1 |
| 723 | Education - Error: PE030 - Highest level of education attained before born | P | PE030_F = 1 and PE030 < PB140 |

Logical Checks

| # | Error/Warning | File(s) (join on) | Where |
|-----|--|--------------------|--|
| 724 | Education - Warning: PE030 - Year highest level of education attained not plausible | P | PE030_F = 1 and ((PE040 in (1,2) and PE030 < PB140+9) or (PE040 = 3 and PE030 < PB140+15) or (PE040 > 3 and PE030 < PB140+18)) |
| 733 | Labour - Error: PL073 - PL090 - Sum of months not equal to 12 or 0 | P | sum(PL073,PL074, PL075, PL076, PL080,PL085, PL086, PL087, PL088, PL089, PL090,0) not in (12, 0) |
| 800 | Basic Data - Error: PB060 PB070 - Not selected respondent but value is filled | P | (PB060_F= 1 or PB070_F= 1) and SELRES ne 2 |
| 801 | Basic Data - Error: PB060 PB070 Selected respondent but value is not filled | P | PB060_F ne 1 and PB070_F ne 1 and SELRES = 2 |
| 805 | Labour - Error: PL... - Not non-selected respondent but code - 3 is used | P | (PL035_F=-3 or PL015_F=-3 or PL111_F=-3 or PL120_F=-3 or PL130_F=-3 or PL140_F=-3 or PL150_F=-3) and SELRES ne 3 |
| 810 | Health - Error: PH... - Not non-selected respondent but code - 3 is used | P | (PH010_F=-3 or PH020_F=-3 or PH030_F=-3 or PH040_F=-3 or PH060_F=-3) and SELRES ne 3 |
| 811 | Status - Warning: Nr of Months in Retirement > 1 but younger than 27 | P,R(PB030 = RB030) | (b.AGE < 27 and PL085 >1) |
| 812 | Status - Warning: Nr of Months in compulsory military service > 1 but younger than 18 or older than 55 | P,R(PB030 = RB030) | ((b.AGE <18 or b.AGE > 55) and PL088 >1) |
| 813 | Status - Warning: Self defined economic status as in compulsory military service but younger than 18 or older than 55 | P,R(PB030 = RB030) | ((b.AGE <18 or b.AGE > 55) and PL031=9) |
| 814 | Status - Warning: Nr of hours usually worked is greater than 35 hours per week while the self-declared status is part-time | P | (Sum(PL060, PL100)>35 and PL031 in (2,4)) |
| 815 | Status - Warning: Nr of hours usually worked is less than 20 hours per week while the self-declared status is full-time | P | (Sum(PL060, PL100)<20 and PL031 in (1,3)) |
| 816 | Housing Cost - Error: Rent is higher than total housing cost | H | (HH060 > HH070) |
| 900 | module - warning: uncommon size of the dwelling | H | (HH010 in (1,2) and HC020 > 400) or (HH010 in (3,4,5) and HC020 > 200) |
| 901 | module - warning: no blumbing/water installation but bath, shower, or toilet in dwelling | H | (HC040_F=-2 and HH081 in (1,2)) or (HC040_F=-2 and HH091 in (1,2)) |
| 902 | Module - Error: - Not non-selected respondent but code -3 is used | P | (PC170_F=-3 or PC180_F=-3) and SELRES ne 3 |

Notes

Variable List

Variables with * are optional (they may be mandatory for some Member States; see Regulations)

+IF: concatenate the Imputation Factor to the flag value(s)

Syntax checks - missing values

from 2008 on the % of missing (-1) is checked with the syntax checks

Logical checks - supplementary variables

Cross-section AGE = age at end of income reference period

RHID, PHID = current HID

SELRES = RB245

HGROINC = sum(HY040G,HY050G,HY060G,HY070G,HY080G,HY090G,HY110G) [total gross]

HNINCS = sum(HY050G,HY060G,HY070G) [social benefits]

HNETINC = HGROINC - sum(HY120G,HY130G,HY140G,0) [total net]

PGROINC = sum(PY010G,PY021G,PY050G,PY080G,PY090G,PY100G,PY110G,PY120G,PY130G,PY140G) [total gross]

PNINCS = sum(PY090G,PY120G,PY130G,PY140G) [social benefits without old-age]

PNINCP = sum(PY100G,PY110G) [old-age]

PNETINC = PGROINC[total net]

gross = HGROINC + sum(PGROINC) by household

net20 = HNETINC + sum(PNETINC) by household

Net Income is calculated with gross values !