



EUROPEAN COMMISSION
EUROSTAT

Directorate F: Social statistics
Unit F-4: Income and living conditions; Quality of life

EUROPEAN HEALTH INTERVIEW SURVEY

WAVE 3

DATA DELIVERY GUIDELINES

Version 24 April 2020

1. INTRODUCTION

The document describes a specification for and the way of transmission of microdata for the European Health Interview Survey (EHIS), wave 3. It complements the European Health Interview Survey (EHIS wave 3) methodological manual¹.

2. MODE AND DATE OF TRANSMITTING THE DATA

Data are to be delivered via eDAMIS to ensure security and confidentiality requests.

According to the Commission implementing Regulation on EHIS, article 6, par. 2: *Member States shall transmit the pre-checked microdata within 9 months after the end of the national period for collecting the data."*

3. MICRODATA FILE NAME AND FORMAT

One file containing all information per interviewed person, including the household information (even if that creates some redundancy for the persons belonging to the same household) is to be created and delivered to Eurostat.

The file name should follow the following structure:

EHIS_HISNAT_5_CC_YYYY_0000_V00NN.CSV,

Where:

- **CC** = two-digit country code;
- **YYYY** = 4digit year of survey (the year in which the survey data collection, or most of the collection, was carried out);
- **NN** = the version of the file – a sequential number (from 01).

The file format is a text file (CSV).

Content:

- The variable names shall be in capital letters
- The header (first row) has to include all variable names with the correct wording and in the requested order. The format of the header is as follows: PID;HHID;PRIMSTRAT;SU;WGT;WGT_SPEC;PROXY;REFDATE;INTMETHOD;INTLANG;SEX;YEARBIRTH;PASSBIRTH;COUNTRY;REGION;DEG_URB;BIRTHPLACE;CITIZEN;BIRTHPLACEFATH;BIRTHPLACEMOTH;HATLEVEL;MAINSTAT;FT_PT;JOBSTAT;JOBISCO;LOCNACE;PARTNERS;MARSTALEGAL;HHNBPERS;HHNBPERS_0_13;HHTYPE;HHINCOME;HS1;HS2;HS3;CD1A;CD1B;CD1C;CD1D;CD1E;CD1F;CD1G;CD1H;CD1I;CD1J;CD1K;CD1L;CD1M;CD1N;CD1O;CD1P;CD2;AC1A;AC1B;AC1C;AC2;AW1;AW2;PL1;PL2;PL3;PL4;PL5;PL6;PL7;PL8;PL9;PC1A;PC1B;PC1C;PC1D;PC1E;PC2;PC3;HA1A;HA1B;HA1C;HA1D;HA1E;HA1F;HA1G;HA2;HA3;PN1;PN2;MH1A;MH1B;MH1C;MH1D;MH1E;MH1F;MH1G;MH1H;HO12;HO34;AM1;AM2;AM3;AM4;AM5;AM6A;AM6B;AM7;MD1;MD2;PA1;PA2;PA3;PA4;PA5;PA6;PA7;PA8;UN1A;UN1B;UN2A;UN2B;UN2

¹ <https://ec.europa.eu/eurostat/web/products-manuals-and-guidelines/-/KS-02-18-240>

C;UN2D;BM1;BM2;PE1;PE2;PE3;PE4;PE5;PE6;PE7;PE8;PE9;DH1;DH2;DH3;DH4;DH5;DH6;SK1;SK2;SK3;SK4;SK5;SK6;AL1;AL2;AL3;AL4;AL5;AL6;SS1;SS2;SS3;IC1;IC2;IC3

- The variable names and data codes have to be delimited with a semicolon (;)
- The following records contain the data of the interviewed persons: one record by interviewee.

Notes on codes:

- All variables have to be reported, no blanks are accepted;
- A dot (.) should be used as decimal separator for the variable WGT (if applicable);
- No special characters, e.g. '—', '##', are accepted;
- The Member States who were granted derogations should keep the same and complete structure of the microdata file.
- Code '-1' is to be used for missing answers. They should be used in cases when respondent does not know the answer or refuses to answer for questions which are applicable to him/her.

Although we recommended countries to collect data on both "don't know" and "refusal" answers separately as it enables analysis of reasons of missing answers, we are not interested to receive this differentiation in the data file to be transmitted.

The Member States who were granted derogations should use the missing value (-1) for those variables for which derogation was granted. Also, this code is to be used for the variable WGT_SPEC in case there is no final special individual weight.

- Code '-2' is to be used in cases when the variable is not applicable to the respondent. These are cases when the respondent is not asked the question and so no answer is expected from him/her. The reasons for using the 'not applicable' code are:
 - the question is to be asked only to a specific subpopulation (defined by age, sex or labour status in EHIS wave 3) or
 - the question is not to be asked because it is filtered out based on answers to some of the previous questions.
- For variables which are not recommended to be answered by proxy interviewee but were answered by them the file should contain the answered value and if it is not entered it should be '-3'.

4. CODEBOOK

A list of all variables for transmission in EHIS wave 3 together with their descriptions, answer categories and codes (including data type and format) and notes in some cases are provided below. Names of variables (first column) and answer categories and codes (third column) are to be used for preparing the microdata file. Also the order as laid down in the table has to be respected

| Variable name | Description | Codes and answer categories | Notes | Type (length) |
|-----------------------------------|---|--|---|---------------|
| TECHNICAL SURVEY VARIABLES | | | | |
| PID | Identification number of respondent | 10-digit number | Unique ID for each respondent. Maximum 10 digits. | Integer |
| HHID | Identification number of household | 10-digit number -1 missing | Unique ID for each household. Maximum 10 digits. | Integer |
| PRIMSTRAT | Primary strata as used in the selection of the sample | 4-digit code (0001-9999) -2 not applicable (no stratification) | | String (4) |
| SU | Primary sampling units as used in the selection of the sample | 4-digit code (0001-9999) -2 not applicable (no multistage sampling) | | String (4) |
| WGT | Final individual weight | Number (format 5.3) | 8 digits in total – maximum 5 digits for the integer part and 3 digits for the fractional part) | Real (5.3) |
| WGT_SPEC | Final special individual weight | Number (format 5.3) -1 missing | 8 digits in total – maximum 5 digits for the integer part and 3 digits for the fractional part) | Real (5.3) |

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|------------------------------|---|---|--|------------|
| PROXY | Was the selected person interviewed or someone else (proxy interview) | 1 person himself/herself 2 other member of the household 3 someone else outside the household | | Integer |
| REFDATE | Reference date of the interview | 8-digit number (format YYYYMMDD) | Valid values for the first 4 digits: 2018, 2019, 2020. | Integer |
| INTMETHOD | Data collection method used | 10 Self-administered, postal non-electronic version 11 Self-administered, postal electronic version (e-mail) 12 Self-administered, web questionnaire 20 Face-to-face interview, non-electronic version 21 Face-to-face interview, electronic version 30 Telephone interview, non-electronic version 31 Telephone interview, electronic version 40 Web personal interview 50 Mixed mode collection | | Integer |
| INTLANG | Language used for interview | 3-digit code -1 missing | Standard Code List Eurostat (SCL) – Languages | String (3) |
| CORE SOCIAL VARIABLES | | | | |
| SEX | Sex of respondent | 1 Male 2 Female | No missing values are accepted. | Integer |
| YEARBIRTH | Year of birth of respondent | 4-digit number (YYYY) | | Integer |
| PASSBIRTH | Passing of respondent's birthday on the day of the interview | 1 Yes 2 No | | Integer |

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|----------------|--|--|---|------------|
| COUNTRY | Country of residence | 2-digit code -1 missing (don't know, refusal) | SCL - Geographical code list (NUTS country level/level 0) | String (2) |
| REGION | Region of residence | 2-digit code -1 missing | Coding according to NUTS at 2-digit level The code refers to the 2 digits on the 3rd and 4th position of the NUTS2 code. Codes to be used are country-specific (values 10 – ZZ). | String (2) |
| DEG_URB | Degree of urbanisation | 1 Cities 2 Towns and suburbs 3 Rural areas -1 missing | | Integer |
| BIRTHPLACE | Country of birth | 2-digit code -1 missing (don't know, refusal) | SCL - Geographical code list (NUTS country level/level 0) | String (2) |
| CITIZEN | Country of main citizenship | 2-digit code ZZ Stateless -1 missing (don't know, refusal) | SCL - Geographical code list (NUTS country level/level 0) | String (2) |
| BIRTHPLACEFATH | Country of birth of father | 2-digit code -1 missing (don't know, refusal) | SCL - Geographical code list (NUTS country level/level 0) | String (2) |
| BIRTHPLACEMOTH | Country of birth of mother | 2-digit code -1 missing (don't know, refusal) | SCL - Geographical code list (NUTS country level/level 0) | String (2) |
| HATLEVEL | Educational attainment level (highest level of education successfully) | 0 No formal education or below ISCED 1 1 ISCED 1 primary education 2 ISCED 2 lower secondary education | Based on ISCED-2011 classification | Integer |

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|----------|---|--|---|---------|
| | completed) | 3 ISCED 3 upper secondary education 4 ISCED 4 post-secondary non-tertiary education 5 ISCED 5 short-cycle tertiary education 6 ISCED 6 bachelor's or equivalent level 7 ISCED 7 master's or equivalent level 8 ISCED 8 doctoral or equivalent level -1 missing (don't know, refusal) | | |
| MAINSTAT | Main activity status (self-defined) | 10 Employed 20 Unemployed 30 Retired 40 Unable to work due to longstanding health problems 50 Student, pupil 60 Fulfilling domestic tasks 70 Compulsory military or civilian service 80 Other -1 missing (don't know, refusal) | | Integer |
| FT_PT | Full or part-time main job (self-defined) | 1 full-time 2 part-time -1 missing (don't know, refusal) -2 not applicable | | Integer |
| JOBSTAT | Status in employment in main job | 11 self-employed person with employees 12 self-employed person without employees 20 employee 30 family worker (unpaid) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| JOBISCO | Occupation in main job | Number (11; 12; 13; 14; 21; 22; 23; 24; 25; 26; 31; 32; 33; 34; 35; 41; 42; 43; 44; 51; 52; 53; 54; 61; 62; 63; 71; 72; 73; 74; 75; 81; 82; 83; 91; 92; | SCL - International Standard Classification of Occupations 2008 | Integer |

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|---------------|--|---|--|------------|
| | | 93; 94; 95; 96; 0) -1 missing (don't know, refusal) -2 not applicable | (ISCO-08) - coded at 2-digit level. Code 0 used for 'Armed forces occupations'. | |
| LOCNACE | Economic sector in the local unit for main job (economic sector) | 1-digit letter (A - U) -1 missing (don't know, refusal) -2 not applicable | SCL - Statistical Classification of Economic Activities in the European Community (NACE Rev. 2) - sections | String (2) |
| PARTNERS | Partners living in the same household | 1 Person living with a legal or de facto partner 2 Person not living with a legal or de facto partner -1 missing (don't know, refusal) -2 not applicable | | Integer |
| MARSTALEGAL | Legal marital status | 1 Never married and never been in a registered partnership 2 Married or in a registered partnership 3 Widowed or in registered partnership that ended with death of partner (not remarried or in new registered partnership) 4 Divorced or in registered partnership that was legally dissolved (not remarried or in new registered partnership) -1 missing (don't know, refusal) | | Integer |
| HHNBPERS | Household size | Number (0 - 98) -1 missing (don't know, refusal) | | Integer |
| HHNBPERS_0_13 | Number of persons aged 13 or younger | Number (0 - 98) -1 missing (don't know, refusal) | | Integer |
| HHTYPE | Household type | 10 One-person household 21 Lone parent with at least one child aged less | | Integer |

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|---|---|---|--|---------|
| | | than 25 22 Lone parent with all children aged 25 or more 31 Couple without any children 32 Couple with at least one child aged less than 25 33 Couple with all children aged 25 or more 40 Other type of household -1 missing (don't know, refusal) | | |
| HHINCOME | Net monthly equivalised income of the household | 1 1st income quintile group 2 2nd income quintile group 3 3rd income quintile group 4 4th income quintile group 5 5th income quintile group -1 missing (don't know, refusal) | | Integer |
| HEALTH VARIABLES | | | | |
| Health status | | | | |
| Health status – Minimum European Health Module | | | | |
| HS1 | Self-perceived general health | 1 very good 2 good 3 fair (neither good nor bad) 4 bad 5 very bad -1 missing (don't know, refusal) -3 proxy | | Integer |
| HS2 | Long-standing health problem | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |

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|--|--|--|--|---------|
| HS3 ² | Limitation in activities because of health problems | 1 severely limited 2 limited but not severely 3 not limited at all -1 missing (don't know, refusal) | | Integer |
| Diseases and chronic conditions | | | | |
| CD1A | Having asthma in the past 12 months (allergic asthma included) | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1B | Having chronic bronchitis, chronic obstructive pulmonary disease or emphysema in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1C | Having a myocardial infarction (heart attack) or chronic consequences of myocardial infarction in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1D | Having a coronary heart disease or angina pectoris in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |

² How to derive **HS3** when using the recommended HS3A and HS3B questions:

- HS3=1 if (HS3A=1 and HS3B=1)
- HS3=2 if (HS3A=2 and HS3B=1)
- HS3=3 if {[(HS3A=1 or HS3A=2) and HS3B=2] or HS3A=3}
- HS3=-1 if {HS3A = -1 or [(HS3A = 1 or 2) and HS3B = -1]}

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| CD1E | Having high blood pressure in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1F | Having a stroke (cerebral haemorrhage, cerebral thrombosis) or chronic consequences of stroke in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1G | Having arthrosis (arthritis excluded) in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1H | Having a low back disorder or other chronic back defect in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1I | Having a neck disorder or other chronic neck defect in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1J | Having diabetes in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1K | Having an allergy, such as rhinitis, eye inflammation, dermatitis, food allergy or other (allergic asthma excluded) in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1L | Having cirrhosis of the liver in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |

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|-------------------------------|--|---|--|---------|
| CD1M | Having urinary incontinence, problems in controlling the bladder in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1N | Having kidney problems in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1O | Having depression in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD1P | Having high blood lipids in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| CD2 | Self perceived general oral health | 1 very good 2 good 3 fair (neither good nor bad) 4 bad 5 very bad -1 missing (don't know, refusal) -3 proxy | | Integer |
| Accidents and injuries | | | | |
| AC1A | Occurrence of a road traffic accident in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| AC1B | Occurrence of an accident at home in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| AC1C | Occurrence of a leisure accident in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |

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|--|--|--|--|---------|
| AC2 | Most serious medical care intervention for the most serious accident in the past 12 months | 1 admission to a hospital or any other health facility 2 a doctor or nurse 3 no intervention was needed -1 missing (don't know, refusal) -2 not applicable | Model questionnaire answer categories: 1. Yes, I was ADMITTED to a hospital or any other health facility and stayed overnight 2. Yes, I was ADMITTED to a hospital or any other health facility but didn't stay overnight 3. Yes, from a doctor or nurse 4. No consultation or intervention was necessary. For transmission of data to Eurostat answer categories 1 and 2 are to be merged and all answer categories recoded. | Integer |
| Absence from work (due to health problems) | | | | |
| AW1 | Absent from work due to personal health problems in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) -2 not applicable | | Integer |
| AW2 | Number of days of absence from work due to personal health problems in the past 12 months | Number (1 - 365) -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| Physical and sensory functional limitations | | | | |
| PL1 | Wearing glasses or contact lenses | 1 Yes 2 No 3 blind or cannot see at all -1 missing (don't know, refusal) | | Integer |

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|-----|--|---|--|---------|
| PL2 | Difficulty in seeing, even when wearing glasses or contact lenses | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PL3 | Use of a hearing aid | 1 Yes 2 No 3 Profoundly deaf -1 missing (don't know, refusal) | | Integer |
| PL4 | Difficulty in hearing what is said in a conversation with one other person in a quiet room even when using a hearing aid | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PL5 | Difficulty in hearing what is said in a conversation with one other person in a noisier room even when using a hearing aid | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PL6 | Difficulty in walking half a km on level ground without the use of any aid | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) | | Integer |

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| PL7 | Difficulty in walking up or down 12 steps | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) | | Integer |
| PL8 | Difficulty in remembering or concentrating | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) | | Integer |
| PL9 | Difficulty in biting and chewing on hard foods | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| Personal care activities | | | | |
| PC1A | Difficulty in feeding yourself | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PC1B | Difficulty in getting in and out of a bed or chair | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |

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|------|--|---|--|---------|
| PC1C | Difficulty in dressing and undressing | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PC1D | Difficulty in using toilets | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PC1E | Difficulty in bathing or showering | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do -1 missing (don't know, refusal) -2 not applicable | | Integer |
| PC2 | Usually receiving help with one or more self-care activities: feeding yourself, getting in and out of a bed or chair, dressing and undressing, using toilets, bathing or showering | 1 Yes, with at least one activity 2 No -1 missing (don't know, refusal) -2 not applicable | | Integer |

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|-----------------------------|---|--|--|---------|
| PC3 | Need to receive help or more help with one or more self-care activities: feeding yourself, getting in and out of a bed or chair, dressing and undressing, using toilets, bathing or showering | 1 Yes, with at least one activity 2 No -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| Household activities | | | | |
| HA1A | Difficulty in preparing meals | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| HA1B | Difficulty in using the telephone | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |

| | | | | |
|------|-------------------------------------|--|--|---------|
| HA1C | Difficulty to do shopping | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| HA1D | Difficulty in managing medication | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| HA1E | Difficulty in doing light housework | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |

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|------|--|--|--|---------|
| HA1F | Difficulty in doing occasional heavy housework | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| HA1G | Difficulty in taking care of finances and everyday administrative tasks | 1 No difficulty 2 Some difficulty 3 A lot of difficulty 4 Cannot do at all / Unable to do 5 Not applicable (never tried it or do not need to do it) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| HA2 | Usually receiving help with one or more domestic activities: preparing meals, using the telephone, shopping, managing medication, light or occasional heavy housework, taking care of finances and everyday administrative tasks | 1 Yes, with at least one activity 2 No -1 missing (don't know, refusal) -2 not applicable | | Integer |

| | | | | |
|-------------|--|--|--|---------|
| HA3 | Need for help or more help with one or more domestic activities: preparing meals, using the telephone, shopping, managing medication, light or occasional heavy housework, taking care of finances and everyday administrative tasks | 1 Yes, with at least one activity 2 No -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| Pain | | | | |
| PN1 | Intensity of bodily pain during the past 4 weeks | 1 None 2 Very mild 3 Mild 4 Moderate 5 Severe 6 Very severe -1 missing (don't know, refusal) -3 proxy | | Integer |
| PN2 | Extent that pain interfered with normal work during the past 4 weeks (including both work outside the home and housework) | 1 Not at all 2 A little bit 3 Moderately 4 Quite a bit 5 Extremely -1 missing (don't know, refusal) -3 proxy | | Integer |

| Mental health | | | | |
|----------------------|--|---|--|---------|
| MH1A | Extent of having little interest or pleasure in doing things over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1B | Extent of feeling down, depressed or hopeless over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1C | Extent of having trouble falling or staying asleep, or sleeping too much over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1D | Extent of feeling tired or having little energy over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |

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|------|---|---|--|---------|
| MH1E | Extent of having poor appetite or overeating over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1F | Extent of subject feeling negative about themselves, or feeling that they are a failure or have themselves or their family down over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1G | Extent of having trouble concentrating on things, such as reading the newspaper or watching television, over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |
| MH1H | Extent of moving or speaking so slowly that other people may have noticed; or being so fidgety or restless that they have been moving around a lot more than usual, over the last 2 weeks | 1 Not at all 2 Several days 3 More than half the days 4 Nearly every day -1 missing (don't know, refusal) -3 proxy | | Integer |

| Health care | | | | |
|--|---|--|--|---------|
| Use of inpatient and day care | | | | |
| HO12 ³ | Number of nights spent as a patient in a hospital in the past 12 months | Number (0 – 365) -1 missing (don't know, refusal) | | Integer |
| HO34 ⁴ | Number of times admitted as a day patient in a hospital in the past 12 months | Number (0 – 365) -1 missing (don't know, refusal) | | Integer |
| Use of ambulatory and home care | | | | |
| AM1 | Last time of a visit to a dentist or orthodontist (for personal treatment) | 1 Less than 6 months ago 2 6 to 12 months ago 3 12 months ago or longer 4 Never -1 missing (don't know, refusal) | | Integer |

³ How to derive **HO12** when using the recommended HO1A and HO1B questions:

- HO12=HO1B if HO1A=1
- HO12=0 if HO1A=2
- HO12=-1 if (HO1A=-1 or HO1B=-1)

⁴ How to derive **HO34** when using the recommended HO1A and HO1B questions:

- HO34=HO2B if HO2A=1
- HO34=0 if HO2A=2
- HO34=-1 if (HO2A=-1 or HO2B=-1)

| | | | | |
|------|--|--|--|---------|
| AM2 | Last time of a consultation of a general practitioner or family doctor (for personal treatment) | 1. Less than 12 months ago 2. 12 months ago or longer 3. Never -1 missing (don't know, refusal) | | Integer |
| AM3 | Number of consultations of a general practitioner or family doctor during the past four weeks (for personal treatment) | Number (0 – 99) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| AM4 | Last time of a consultation of a medical or surgical specialist (for personal treatment) | 1. Less than 12 months ago 2. 12 months ago or longer 3. Never -1 missing (don't know, refusal) | | Integer |
| AM5 | Number of consultations of a medical or surgical specialist during the past four weeks (for personal treatment) | Number (0 – 99) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| AM6A | Consultation of a physiotherapist or kinesiologist in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| AM6B | Consultation of a psychologist, psychotherapist or psychiatrist in the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |
| AM7 | Use of any home care services for personal needs during the past 12 months | 1 Yes 2 No -1 missing (don't know, refusal) | | Integer |

| Medicine use | | | | |
|----------------------------|---|---|---|------------|
| MD1 | Use of any medicines prescribed by a doctor during the past two weeks (excluding contraception) | 1 Yes 2 No -1 missing (don't know, refusal) -3 proxy | | Integer |
| MD2 | Use of any medicines, herbal medicines or vitamins not prescribed by a doctor during the past two weeks (excluding contraception) | 1 Yes 2 No -1 missing (don't know, refusal) -3 proxy | | Integer |
| Preventive services | | | | |
| PA1 | Last time of vaccination against flu | 6-digit code (YYYYMM) 1 Too long ago (before the previous calendar year) 2 Never -1 missing (don't know, refusal) -3 proxy | Valid values: MM (month): 01 – 12; YYYY (year): 2015 – 2020. 4-digit code YYYY (year) is allowed in case MM (month) is missing. | String (6) |
| PA2 | Last time of blood pressure measurement by a health professional | 1 Within the past 12 months 2 1 to less than 3 years 3 3 to less than 5 years 4 5 years or more 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|-----|---|---|--|---------|
| PA3 | Last time of blood cholesterol measurement by a health professional | 1 Within the past 12 months 2 1 to less than 3 years 3 3 to less than 5 years 4 5 years or more 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| PA4 | Last time of blood sugar measurement by a health professional | 1 Within the past 12 months 2 1 to less than 3 years 3 3 to less than 5 years 4 5 years or more 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| PA5 | Last time of a faecal occult blood test | 1 Within the past 12 months 2 1 to less than 2 years 3 2 to less than 3 years 4 3 years or more 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| PA6 | Last time of a colonoscopy | 1 Within the past 12 months 2 1 to less than 5 years 3 5 to less than 10 years 4 10 years or more 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|------------------------------------|---|--|--|---------|
| PA7 | Last time of a mammography (breast X-ray) | 1 Within the past 12 months 2 1 to less than 2 years 3 2 to less than 3 years 4 3 years or more 5 Never -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| PA8 | Last time of a cervical smear test | 1 Within the past 12 months 2 1 to less than 2 years 3 2 to less than 3 years 4 3 years or more 5 Never -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| Unmet needs for health care | | | | |
| UN1A | Unmet need for health care in the past 12 months due to long waiting list(s) | 1 Yes 2 No 3 No need for health care -1 missing (don't know, refusal) -3 proxy | | Integer |
| UN1B | Unmet need for health care in the past 12 months due to distance or transportation problems | 1 Yes 2 No 3 No need for health care -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|----------------------------|--|--|-------|---------|
| UN2A | Could not afford medical examination or treatment in the past 12 months | 1 Yes 2 No 3 No need -1 missing (don't know, refusal) -3 proxy | | Integer |
| UN2B | Could not afford dental examination or treatment in the past 12 months | 1 Yes 2 No 3 No need -1 missing (don't know, refusal) -3 proxy | | Integer |
| UN2C | Could not afford prescribed medicines in the past 12 months | 1 Yes 2 No 3 No need -1 missing (don't know, refusal) -3 proxy | | Integer |
| UN2D | Could not afford mental health care (by a psychologist, psychotherapist or a psychiatrist for example) in the past 12 months | 1 Yes 2 No 3 No need -1 missing (don't know, refusal) -3 proxy | | Integer |
| Health determinants | | | | |
| Weight and height | | | | |
| BM1 | Height without shoes | Number (50-250) -1 missing (don't know, refusal) -3 proxy | in cm | Integer |
| BM2 | Weight without clothes and shoes | Number (20-350) -1 missing (don't know, refusal) -3 proxy | in kg | Integer |

| Physical activity / exercise | | | | |
|-------------------------------------|---|---|--|---------|
| PE1 | Physical effort of working tasks (both paid and unpaid work activities included) | 1 Mostly sitting or standing 2 Mostly walking or tasks of moderate physical effort 3 Mostly heavy labour or physically demanding work 4 Not performing any working tasks -1 missing (don't know, refusal) -3 proxy | | Integer |
| PE2 | Number of days in a typical week walking to get to and from places at least 10 minutes continuously | Number (1 - 7) 0 I never carry out such physical activities -1 missing (don't know, refusal) -3 proxy | | Integer |
| PE3 | Time spent on walking to get to and from places on a typical day | 1 10-29 minutes per day 2 30-59 minutes per day 3 1 hour to less than 2 hours per day 4 2 hours to less than 3 hours per day 5 3 hours or more per day -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| PE4 | Number of days in a typical week bicycling to get to and from places at least 10 minutes continuously | Number (1 - 7) 0 I never carry out such physical activities -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|-----|---|---|--|------------|
| PE5 | Time spent on bicycling to get to and from places on a typical day | 1 10-29 minutes per day 2 30-59 minutes per day 3 1 hour to less than 2 hours per day 4 2 hours to less than 3 hours per day 5 3 hours or more per day -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| PE6 | Number of days in a typical week doing sports, fitness or recreational (leisure) physical activities that cause at least a small increase in breathing or heart rate for at least 10 minutes continuously | Number (1 - 7) 0 I never carry out such physical activities -1 missing (don't know, refusal) -3 proxy | | Integer |
| PE7 | Time spent on doing sports, fitness or recreational (leisure) physical activities in a typical week | 4-digit code (HHMM) -1 missing (don't know, refusal) -2 not applicable -3 proxy | Valid values: HH (hours): 00 – 99; MM (minutes): 00 – 59. All four digits shall be reported, i.e. 0020 for 20 min or 0900 for 9 hours. | String (4) |
| PE8 | Number of days in a typical week doing muscle-strengthening activities | Number (1 - 7) 0 I never carry out such physical activities -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|--|--|--|---|------------|
| PE9 ⁵ | Time spent sitting on a typical day | 4-digit code (HHMM) -1 missing (don't know, refusal) -3 proxy | Valid values: HH (hours): 00 – 24; MM (minutes): 00 – 59. All four digits shall be reported, i.e. 0020 for 20 min or 0900 for 9 hours. | String (4) |
| Consumption of fruit and vegetables | | | | |
| DH1 | Frequency of eating fruit, excluding juice | 1 Once or more a day 2 4 to 6 times a week 3 1 to 3 times a week 4 Less than once a week 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| DH2 | Number of portions of fruit a day, excluding juice | Number (1 – 99) -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |

⁵ The following values (in red below) should be reported if the model question was used (codes “-1” or “-3” are also possible):

1. Less than 4 hours: 0200
2. 4 hours to less than 6 hours: 0500
3. 6 hours to less than 8 hours: 0700
4. 8 hours to less than 10 hours: 0900
5. 10 hours to less than 12 hours: 1100
6. 12 hours or more: 1300

| | | | | |
|----------------|---|--|--|---------|
| DH3 | Frequency of eating vegetables or salad, excluding juice and potatoes | 1 Once or more a day 2 4 to 6 times a week 3 1 to 3 times a week 4 Less than once a week 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| DH4 | Number of portions of vegetables or salad, excluding juice and potatoes a day | Number (1 – 99) -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| DH5 | Frequency of drinking pure fruit or vegetable juice | 1 Once or more a day 2 4 to 6 times a week 3 1 to 3 times a week 4 Less than once a week 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| DH6 | Frequency of drinking sugar-sweetened soft drinks | 1 Once or more a day 2 4 to 6 times a week 3 1 to 3 times a week 4 Less than once a week 5 Never -1 missing (don't know, refusal) -3 proxy | | Integer |
| Smoking | | | | |
| SK1 | Type of tobacco smoking behaviour | 1 Daily smoking 2 Occasional smoking 3 No smoking -1 missing (don't know, refusal) | | Integer |

| | | | | |
|------------------|---|--|--|---------|
| SK2 ⁶ | Average number of cigarettes a day | Number (0-99) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| SK3 | Former daily tobacco smoking | 1 Yes 2 No -1 missing (don't know, refusal) -2 not applicable | | Integer |
| SK4 | Number of years of daily tobacco smoking | Number (0-99) -1 missing (don't know, refusal) -2 not applicable | | Integer |
| SK5 | Frequency of exposure to tobacco smoke indoors | 1 Every day, 1 hour or more a day 2 Every day, less than 1 hour per day 3 At least once a week 4 Less than once a week 5 Never or almost never -1 missing (don't know, refusal) -3 proxy | | Integer |
| SK6 | Type of electronic cigarettes or similar electronic devices behaviour | 1 Daily vaping 2 Occasional vaping 3 Former vaping 4 Never vaping -1 missing (don't know, refusal) -3 proxy | | Integer |

⁶ How to derive **SK2** when using the recommended SK2A and SK2B questions:

- SK2=SK2B if SK2A=1
- SK2=0 if SK2A=2
- SK2=-1 if (SK2A=-1 or SK2B=-1)
- SK2=-2 if (SK1=2 or 3 or -1)

| Alcohol consumption | | | | |
|----------------------------|---|--|--|---------|
| AL1 | Frequency of consumption of an alcoholic drink of any kind (beer, wine, cider, spirits, cocktails, premixes, liqueurs, homemade alcohol...) in the past 12 months | 1 Every day or almost 2 5 - 6 days a week 3 3 - 4 days a week 4 1 - 2 days a week 5 2 - 3 days in a month 6 Once a month 7 Less than once a month 8 Not in the past 12 months, as I no longer drink alcohol 9 Never, or only a few sips or tries, in my whole life -1 missing (don't know, refusal) -3 proxy | | Integer |
| AL2 | Frequency of consumption of an alcoholic drink for Monday-Thursday | 1 On all 4 days 2 On 3 of the 4 days 3 On 2 of the 4 days 4 On 1 of the 4 days 5 On none of the 4 days -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |

| | | | | |
|-----|--|--|--|---------|
| AL3 | Number of alcoholic (standard) drinks on average on one of the days (Monday to Thursday) | 1 16 or more drinks a day 2 10-15 drinks a day 3 6 - 9 drinks a day 4 4 - 5 drinks a day 5 3 drinks a day 6 2 drinks a day 7 1 drink a day 8 0 drink a day -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| AL4 | Frequency of consumption of an alcoholic drink for Friday-Sunday | 1 On all 3 days 2 On 2 of the 3 days 3 On 1 of the 3 days 4 On none of the 3 days -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| AL5 | Number of alcoholic (standard) drinks on average on one of the days (Friday-Sunday) | 1 16 or more drinks a day 2 10-15 drinks a day 3 6 - 9 drinks a day 4 4 - 5 drinks a day 5 3 drinks a day 6 2 drinks a day 7 1 drink a day 8 0 drink a day -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |

| | | | | |
|-----------------------|---|---|--|---------|
| AL6 | Frequency of risky single-occasion drinking (equivalent of 60g of pure ethanol or more) during the past 12 months | 1 Every day or almost 2 5 - 6 days a week 3 3 - 4 days a week 4 1 - 2 days a week 5 2 - 3 days in a month 6 Once a month 7 Less than once a month 8 Not in the past 12 months 9 Never in my whole life -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| Social support | | | | |
| SS1 | Number of close people to count on in case of serious personal problems | 1 None 2 1 or 2 3 3 to 5 4 6 or more -1 missing (don't know, refusal) -3 proxy | | Integer |
| SS2 | Degree of concern shown by other people in what the person is doing | 1 A lot of concern and interest 2 Some concern and interest 3 Uncertain 4 Little concern and interest 5 No concern and interest -1 missing (don't know, refusal) -3 proxy | | Integer |

| | | | | |
|---|--|--|--|---------|
| SS3 | How easy is it to get practical help from neighbours in case of need | 1 Very easy 2 Easy 3 Possible 4 Difficult 5 Very difficult -1 missing (don't know, refusal) -3 proxy | | Integer |
| Provision of informal care or assistance | | | | |
| IC1 | Providing care or assistance to one or more persons suffering from some age problem, chronic health condition or infirmity, at least once a week (professional activities excluded) | 1 Yes 2 No -1 missing (don't know, refusal) -3 proxy | | Integer |
| IC2 | Prevailing relationship of the person(s) suffering from any chronic condition or infirmity or due to old age being provided with care or assistance at least once a week from the respondent | 1. Member(s) of respondent's family 2. Non-member(s) of respondent's family -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |
| IC3 | Number of hours per week the respondent provides care or assistance to the person(s) suffering from any chronic condition or infirmity or due to old age | 1 less than 10 hours per week 2 at least 10 but less than 20 hours per week 3 20 hours per week or more -1 missing (don't know, refusal) -2 not applicable -3 proxy | | Integer |

Countries which were granted derogations⁷ use the same microdata structure as other countries, including the number and order of variables. For variables for which derogations were granted, the code ‘-1’ shall be used.

The countries and variables for which derogations were granted are listed here:

| Country | Derogation |
|-----------------|--|
| Belgium | — UN2A, UN2B, UN2C, UN2D on unmet needs |
| Finland | — PL2 and PL8 on functional limitations — PE6 on physical activity — AL1 to AL6 on alcohol consumption |
| the Netherlands | — CD1P and CD2 on diseases and chronic conditions — PL8 and PL9 on functional limitations — PE9 on physical activity — DH5 and DH6 on dietary habits — SK3, SK4 and SK6 on smoking |

⁷ [Commission Implementing Decision \(EU\) 2018/257](#) of 19 February 2018 granting derogations to certain Member States with respect to the transmission of statistics pursuant to Regulation (EC) No 1338/2008 of the European Parliament and of the Council, as regards statistics based on the European Health Interview Survey (EHIS)