Data documentation of the Scientific Use File of the BAuA-Working Time Survey 2017, Version 2

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Table of contents

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Abstract

This data documentation describes the Scientific Use File of the BAuA-Working Time Survey 2017, Version 2, which the Research Data Centre of the Federal Institute for Occupational Safety and Health (FDZ-BAuA) makes available to users for scientific research projects. The scientific use file contains data from 9,655 persons, which were collected as part of the second survey wave of this representative panel survey of employed persons in Germany who were questioned about their employment situation, aspects of working time, other working conditions, and their health and well-being. A separate data file contains the data gleaned from a short questionnaire of 804 non-employed panel participants. The data documentation gives an overview of the available data, serves to document data processing measures, and describes the options for merging the data with other survey waves.

Keywords

Working time, working conditions, work demands, work resources, working time preferences, flexibility, autonomy, telework, working from home, mobile work, secondary employment, recovery, physical health, mental health, work-life balance, panel survey, research data, scientific use file

Preliminary remarks on the English edition of the data documentation

The aim of this English-language data documentation is to enable the international scientific community to use the Scientific Use File of the BAuA-Working Time Survey 2017.

The study was originally conducted in German. The corresponding dataset is deployed in German. However, the Research Data Centre of the Federal Institute for Occupational Safety and Health (FDZ-BAuA) makes Stata and SPSS syntaxes with English variable labels and value labels available to researchers, which can be added to the dataset.

The interview questions were translated with great care for the purpose of this documentation. Users should bear in mind, however, that the purpose of the translation is to inform and that it does not result in a validated English-language instrument that can be reused directly. The aim of the translation was to reproduce the wording of the German interview questions as accurately as possible. In some cases, this can lead to the question texts deviating from the question texts known from the original English sources.

The German-language questionnaire often included feminine and masculine forms of words to avoid gender bias. As the English language offers more gender-neutral expressions, the translation of the questions and response categories does not reflect this. Instructions for the interviewers on how to deal with feminine and masculine forms of words are not documented.

Preliminary remarks on the data documentation for Version 2 of the scientific use file

The first version (doi:10.21934/baua.azb17.suf.1) of the Scientific Use File of the BAuA-Working Time Survey 2017 was made available to the users in 2019, as was the corresponding data documentation (Brauner et al., 2019).

Version 2 of the scientific use file is now available. It is described in the data documentation at hand. It contains the following main alterations:
- In Version 1, some items were subject to closure periods. The closure periods are now lifted in Version 2.
- Version 2 contains some additional variables (like interview month and year, panel participation willingness).
- Version 2 contains 103 additional cases, which were previously not included in the scientific use file due to missing cross-sectional weights. By including them in the scientific use file, these cases can now also be considered in longitudinal analyses.
- Version 2 comes with an additional file that includes the data from the short questionnaire. This was aimed at panel participants who were not part of the population of employed persons at the time of the survey in 2017 but remained willing to be surveyed, making it possible to investigate their trajectory.

The second versions of the survey waves 2015 and 2019, including updated data documentation, were published at the same time as Version 2 of the Scientific Use File of the Working Time Survey 2017. For the survey wave 2019, as for the survey wave 2017, data from the short questionnaire for non-employed panel cases were made available.

Should the need arise, the scientific use files' previous versions can be requested from the Research Data Centre of the Federal Institute for Occupational Safety and Health (FDZ-BAuA).

1 Introduction

The BAuA-Working Time Survey is a representative panel survey of persons in employment in Germany conducted by the Federal Institute for Occupational Safety and Health (BAuA). The aim of the study is to examine the relationships between working time arrangements, other working conditions, as well as the health and satisfaction of persons in employment. Additionally, the aim is to investigate trends regarding the working time realities of employed persons in Germany. Wöhrmann and her colleagues (2021) provide an overview of the conceptualisation of the study.

The first wave of the BAuA-Working Time Survey took place in 2015 (see Häring et al., 2016). The second survey wave of the BAuA-Working Time Survey described here was conducted by infas – Institute for Applied Social Sciences between May and September 2017 using computer-assisted telephone interviews (CATI).

The target group of the BAuA-Working Time Survey 2017 comprised all the panel cases of the previous wave who had given their consent to take part in a subsequent survey. Additionally, a refresher sample was included in the survey. The population of the refresher sample was made up of persons aged 15 and above who were in paid employment for at least 10 hours a week at the time of the survey. This excludes employment as part of vocational training/apprenticeship or school qualification, a voluntary social or ecological year, voluntary service, or volunteer work, as well as employments that were interrupted for longer than 3 months at the time of the survey. Refreshers and panel cases that were part of the thus-defined population at the time of the survey were surveyed using the main questionnaire for employed persons. Panel cases that did not belong to the population anymore were also included in the survey. They received a short questionnaire for non-employed persons.

A comprehensive description of the procedure can be found in the methodology report of the BAuA-Working Time Survey 2017 (Häring et al., 2018).

The Research Data Centre of BAuA (FDZ-BAuA) is now making Version 2 of the Scientific Use File of the BAuA-Working Time Survey 2017 available. Version 2 of the scientific use file contains a dataset for the main questionnaire, which includes responses from 9,655 employed persons, including 6,642 panel cases and 3,013 refreshers. Additionally, the scientific use file contains a separate dataset for the short questionnaire with data from 804 non-employed panel cases. The respondents are assigned a unique identification number, which can be used to generate a longitudinal dataset with the previous and subsequent survey waves.

A brief description of the features of the study and the dataset is given in Table 1.1.

Tab. 1.1 Brief description of the features of the study and the dataset

Features of the study and the dataset	Description
Study name	German: BAuA-Arbeitszeitbefragung 2017 English: BAuA-Working Time Survey 2017
Dataset version	Scientific Use File of the BAuA-Working Time Survey 2017, Version 2; doi: 10.48697/baua.azb17.suf.2
Topics	Working time, working conditions, work demands, work resources, working time preferences, flexibility, autonomy, telework, working from home, mobile work, secondary employment, recovery, physical health, mental health, work-life balance
Target persons included in the dataset	Main questionnaire: Members of the population aged 15 and above who live in private households and were in paid employment for an average amount of at least 10 weekly working hours. This excludes employment as part of vocational training/apprenticeship or school qualification, military or alternative civilian service, voluntary social/ecological year, or volunteer work, as well as employments that were interrupted for longer than 3 months at the time of the survey. Short questionnaire: panel cases from the previous wave that are no longer employed
Number of cases	Main questionnaire: 9,655 cases (3,013 persons interviewed for the first time; 6,642 panel cases) Short questionnaire: 804 panel cases
Survey period	May 2017 to September 2017
Survey design	Computer-assisted telephone interviews (CATI); dual-frame design: randomly generated telephone numbers in the landline and mobile phone sample
Institutions involved in the survey	**Commissioner:** Federal Institute for Occupational Safety and Health; Dortmund **Realisation:** infas – Institute for Applied Social Sciences; Bonn
File format/size	SPSS (10 MB) Stata (11 MB)
File organisation	Two files
Access paths	Scientific use file
Degree of anonymisation	De-facto anonymised
Sensitive variables	None

Notes on citation of the data and data documentation	**Data** "This article is based on the de-facto anonymised data of the BAuA-Working Time Survey 2017 (Version 2, doi: 10.48697/baua.azb17.suf.2). The data were accessed using a scientific use file, which was made available through the Research Data Centre of the Federal Institute for Occupational Safety and Health." **Data documentation** Pattloch, D., Menze, L., Brauner-Sommer, C., Vieten, L., Tornowski, M., Michel, A., Wöhrmann, A. M., Nold, J., Backhaus, N., Entgelmeier, I., Stein, L.-K. & Zink, S. (2023). Data documentation of the Scientific Use File of the BAuA-Working Time Survey 2017, Version 2. Dortmund: Federal Institute for Occupational Safety and Health. doi:10.21934/baua:doku20230926

2 Data access

The data of the Scientific Use File of the BAuA-Working Time Survey 2017 can be accessed through FDZ-BAuA. The scientific use file is made available in a Stata as well as SPSS format.

The scientific use file can be applied for by researchers who are affiliated with a university or a research institution for scientific purposes. The application form for data use as well as additional information can be found on the FDZ-BAuA website: *www.baua.de/fdz*.

Once a contract has been concluded, the user will be provided with a document on the programming of the questionnaire and further tools in addition to the dataset.

3 Population and sample

The population of the BAuA-Working Time Survey consists of persons in private households in Germany aged 15 or above who are in gainful employment for at least 10 hours per week. This **also includes** employments that are taken up in addition to acquiring vocational or school qualifications or employments as family workers. This does **not** include employments as part of a company-based apprenticeship or school qualification, voluntary service, a voluntary social/ecological year, or volunteer work. Employed persons who interrupted their employment for longer than 3 months at the time of the survey due to maternity leave, parental leave, incapacity to work, special leave or other reasons are not part of the study's population.

In the BAuA-Working Time Survey 2017, both panel cases and a refresher sample were used. Panel cases are persons willing to be surveyed again, who had taken part in the first BAuA-Working Time Survey in 2015. The panel cases were re-identified by comparing information on sex, year of birth, and, if available, the name of the target person. Panel cases were included in the survey even if they did not belong to the described population of the BAuA-Working Time Survey 2017 at the time of the survey. In this case, they were not surveyed using the main questionnaire for employed persons but the short questionnaire for non-employed persons.

As during the previous survey wave, the refresher sample in the BAuA-Working Time Survey 2017 was a random sample drawn from randomly generated landline and mobile phone numbers (dual-frame sampling). A telephone-based screening clarified whether the persons were members of the target group of the study. Refreshers were only included in the survey if they belonged to the population as described above. All refreshers were surveyed using the main questionnaire for employed persons.

For more detailed information on the population and sample of the BAuA-Working Time Survey 2017, please refer to the methodology report (Häring et al., 2018).

The Scientific Use File of the BAuA Working Time Survey 2017, Version 2 comprises a dataset with cross-sectional data from 9,655 employed persons for whom a complete interview using the main questionnaire is available.[1] This includes 3,013 refreshers and 6,642 panel cases. Additionally, the scientific use file contains a dataset with the data gleaned from the short questionnaires with 804 non-employed panel cases.

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[1] Some people had indicated during the screening that they are in paid employment for at least 10 hours a week (real weekly working hours) but then stated lower real weekly working hours in the course of the interview. These persons answered to the main questionnaire for employed persons although they did not belong to the population of employed persons in accordance with the definition of the study. The persons affected are included in the scientific use file in the dataset for the main questionnaire for employed persons.

4 Survey instrument

The main questionnaire for employed persons in accordance with the study definition, which was used in the BAuA Working Time Survey 2017 for refreshers and panel cases, was largely similar to the questionnaire of the previous survey wave. However, there may have been changes in the way the variables were collected over the course of those waves. For longitudinal analyses, users should therefore always consider the effects this might have on interpreting results. For a detailed comparison of the content of the questionnaire across the individual survey waves, the data are made available together with further tools (list of variable correspondence, document on the programming of the questionnaire).

As during the previous survey wave, many questions originate from the BIBB/BAuA-Employment Survey 2012 (Rohrbach-Schmidt and Hall, 2013). To keep the list of sources in Chapter 10 brief, this source is not indicated there unless the question is based on additional sources.

In addition, the questionnaires of each wave of the BAuA-Working Time Survey feature certain key topics. In the 2017 survey wave, the topics included **mobile and off-site work** as well as **recovery.**

The main questionnaire of the BAuA-Working Time Survey 2017 thus included questions on the following topics:
- Main employment that is being carried out, employment status, and industry of employment
- Contractual and actual weekly working hours, overtime, full-time/part-time, flexitime arrangements, shift work, emergency-response duty, on-call duty, current working time arrangements, shortened rest periods
- Mobility, off-site work, telework, working from home
- Variable working time, autonomy, changes in working time
- Work-life balance, constant availability, recovery
- Psychological demands and strain of the main employment
- Satisfaction with current employment, stress, general health, and physical ailments
- Secondary employment next to main employment
- Socio-demographic data on the person and the household

In principle, refreshers and panel cases received the same set of questions in the main questionnaire.

The short questionnaire of the BAuA-Working Time Survey 2017 for non-employed panel cases contained some questions on the general state of health, physical ailments as well as socio-demographic information on the person and the household that were identical to those in the main questionnaire. Moreover, it dealt with specific questions for non-employed persons on the termination and possible resumption of their employment.

When programming the questionnaire as a CATI, various software options were used to make the interview easier to conduct and to increase data quality. The programming of the CATI thus contains complex filtering for different groups of respondents. The

filters facilitate a more automated interview process. When interpreting the data, it is therefore always necessary to consider from which respondent groups the respective information was collected.

At certain points in the interview, information from the 2015 wave (preload information) was imported and checked against the current situation. If the earlier information was no longer correct, an updated version could be recorded during the interview. This facilitated a quicker and smoother interview. In some cases, questions with preload data available were skipped if a change was considered unlikely. This affected questions on the start of work in shift and night work as well as citizenship.

Moreover, the programming of some questions provided for value range checks, so that the answers given by the respondents were checked for plausibility already during the interview. At some points during the interview, there was an automated additional enquiry to the target person if their responses were outside a previously defined value range.

The survey instrument was pretested with 154 refreshers and panel cases (139 in the main questionnaire, 15 in the short questionnaire) under real field conditions, after which the questionnaire was edited. One question, for example, was only included after the pretest (see the variable description of **BX241a** "No telework/working from home_main reason" in Chapter 10). Any changes to the wording of questions or interviewer instructions and filtering are not highlighted in the following. The cases from the pretest are included in the scientific use file and can be identified via a variable (**BXmarker**). Filter-related missing values were consistently assigned to variables that were included in the survey only after the pretest (see also Section 6.5).

5 Structure of the dataset

5.1   Cross-sectional data

The scientific use file described here contains only the cross-sectional data of the BAuA-Working Time Survey 2017. The variable names in the Scientific Use File of the BAuA-Working Time Survey 2017 begin with the prefix "**BX**", which signifies membership in the second survey wave (survey wave 2015: **"AX"**; survey wave 2019: **"CX"**; etc.). The German variable and value labels contain umlauts and special characters. Users may apply the provided English label syntax instead.

Version 2 of the scientific use file comprises two datasets:

5.1.1   Dataset Main questionnaire for employed persons

As in Version 1, Version 2 of the scientific use file contains a dataset that comprises responses of only those refreshers and panel cases that were employed persons according to the definition of the study. The minor differences in this dataset compared to Version 1 of the scientific use file are described in Chapter 6.5.

On the one hand, this dataset is suitable for cross-sectional analyses of employed persons. On the other hand, it can be used for longitudinal analyses together with the previous as well as subsequent waves for longitudinal analyses.

5.1.2   Dataset Short questionnaire for non-employed persons

In addition, Version 2 of the scientific use file features the information from the short questionnaire for non-employed panel cases in a separate file. Variables that are the same for employed persons and non-employed persons bear the same variable name in this dataset as in the dataset of the main questionnaire. It should be noted that there are slight wording differences between employed and non-employed persons in the variables **BX506_1** to **BX506_11** (see the variable description in Chapter 10). Variables that were only recorded by the short questionnaire can be identified by the prefix "**BX_K**" in the variable name.

When using this dataset, it should be noted that the dataset does not contain a representative sample of non-employed persons. Rather, it includes panel cases that belonged to the population of employed persons in accordance with the study definition at the time of the previous survey wave. At the time of the survey wave 2017, however, these cases were available for surveying but no longer belonged to the group of employed persons in accordance with the study definition (e.g., due to unemployment or going into retirement). The dataset thus allows longitudinal analyses of exits from employment as well as panel retention.

5.2 Longitudinal analyses

The Scientific Use File of the BAuA-Working Time Survey 2017 contains a unique identification variable for respondents (**lfd**). Using this variable allows linking it with the scientific use file of the previous wave from 2015 (see Pattloch et al., 2023a), which is shown below. Likewise, this variable allows linkage with the subsequent wave from 2019 (see Pattloch et al., 2023b) as well as future survey waves of the BAuA-Working Time Survey.

Depending on the method of longitudinal analysis, the survey might be linked in either the "wide" or "long" format:
- In the "wide" format, the individual survey waves are "horizontally" linked to each other, so that there is one row for each respondent in the dataset. Variables that are queried across survey waves are located in individual columns and are named with the wave-specific prefix.
- In the "long" format, the individual survey waves of a person are stored underneath each other as individual rows in the dataset. Here, corresponding variables appear in one column under a uniform variable name.

Depending on the individual research question, it can make sense to consider the data from the short questionnaires for non-employed persons when creating a longitudinal dataset, or not. FDZ-BAuA offers SPSS and Stata syntax to create a link between survey waves in both the "wide" and the "long" format with the option of taking the short questionnaires into account.

5.2.1 Longitudinal analyses with the main questionnaires for employed persons

The majority of longitudinal research questions that can be addressed using the BAuA-Working Time Survey will relate to changes and relationships within the group of employed persons. For these types of analyses, creating a longitudinal dataset without considering the short questionnaires is advisable. In this dataset, panel cases are only included in the respective waves if they were employed persons according to the study definition and were surveyed using the main questionnaire.

The resulting longitudinal dataset, which integrates the 2015 and 2017 survey waves, encompasses a total of 23,043 persons. Of these, 20,030 persons were surveyed for the first time in the 2015 survey wave and 3,013 persons for the first time in the 2017 survey wave. In the integrated dataset, there is one measurement point for 16,401 persons, and two for 6,642.

5.2.2 Longitudinal analyses with additional consideration of the short questionnaires for non-employed persons

For research questions interested in looking at exits from employment (or panel retention per se), it is a viable option to create a longitudinal dataset that includes the short questionnaires. When doing so, please note that no short questionnaire is available for the BAuA-Working Time Survey 2015, since, during the first wave of the panel survey, all members of the population were employed persons in accordance

with the study's definition. The short questionnaires for 2017 and 2019 are made available together with the Version 2 of the respective scientific use file.

To create a corresponding longitudinal dataset, first, the data from the main and short questionnaires of the individual survey waves are set underneath each other and integrated into a dataset. Then, the survey waves can be linked in a "long" or "wide" format as described above.

The longitudinal dataset, which includes the survey waves 2015 and 2017 as well as the short questionnaire, contains the same 23,043 persons that are included in the longitudinal dataset without the short questionnaire. However, it includes more measurement points for these persons: There is one measurement point for 15,597 persons, and two measurement points for 7,446.

6 Data preparation and data checks

Some of the data preparation and data checking was already carried out by infas, and some by the project team of the BAuA-Working Time Survey. For the preparation and checking steps that have been carried out by infas, see the methodology report for the BAuA-Working Time Survey 2017 (Häring et al., 2018). Version 1 of the scientific use file was created in close consultation with infas. From that, FDZ-BAuA, which was set up only in 2021, developed Version 2 of the scientific use file, which is the version at hand.

Some variables from the BAuA-Working Time Survey 2017 were not incorporated in the scientific use file: This applies, for example, to variables that served the technical implementation of the interviews (such as loop tests required for correcting missing or implausible responses). Variables that were removed or coarsened for data protection reasons are shown in Chapter 7.

6.1 Coding of open-ended questions

The free-form text responses on occupation and industry for main employment and (if available) one additional secondary employment were coded by infas into established classifications. For panel cases, this coding was only performed anew in the case of occupational changes, otherwise, it was taken over from the previous wave.

The free-form text responses on occupation were coded by infas using two occupational classifications:
- Unit groups (4-digit groups) of the International Standard Classification of Occupations in the 2008 version (ISCO-08) (see Bundesamt für Statistik, 2017)
- Occupational types (5-digit groups) of the German Classification of Occupations in the 2010 version (KldB-10) (see Bundesagentur für Arbeit, 2013)

Depending on the quality of the responses, other information from the interview was considered (employment status, among others). For the scientific use file, these occupational codes were further coarsened (see Section 7.2.2).

Industries were coded by infas based on the so-called divisions (2-digit groups) of the Classification of Economic Activities, Edition 2008 (WZ 2008) (see Statistisches Bundesamt, 2008). In addition to free-form text responses of respondents, this coding could incorporate additional details from the respondents (open-ended responses on occupation, employment status).

Some codes in occupational and industry classifications normally include a zero as the first digit, which was omitted in the numerical data of the scientific use file.

Citizenship too could be recorded openly by the interviewers if it could not be found in a previously presented list. Later, open responses on citizenship were assigned to a category on the list by infas.

6.2   Plausibility checks

In individual cases, the information provided by respondents was outside the plausible value range. In these cases, the information was marked as implausible via a specific missing code and is thus identifiable on the individual case level. The permissible value ranges for metric variables are given in the variable overview.

6.3   Generated variables

Most of the variables included in the scientific use file match the responses given by the respondents to individual questions. However, some variables have been generated from the responses to several questions or by using paradata from the survey (e.g., interview date). The variable overview in Chapter 10 documents how variables were generated.

If preload information was available for panel participants, they were partially used to form variables. Thus, preload information that was confirmed by the panel participants after being checked during the current wave was included in the formation of the variables. This increases consistency in the coding of information across waves, especially in the case of open-ended questions like the ones on occupation and industry. In some cases, the information from the previous wave was used for variable formation without checking it again if changes from the information given the first time were considered unlikely (see Chapter 4).

6.4 Harmonisation across waves

The variable names and labels for the scientific use files of the BAuA-Working Time Survey were harmonised across survey waves, so that corresponding variables have the same variable name (with the prefix for the respective survey wave) and the same variable label. Value labels were harmonised across survey waves as long as no substantial changes were made to the response categories between survey waves. In some cases, the harmonisation measures can result in the variable and value labels of the scientific use file differing from the original programming.

There were no subsequent changes in the information given in the interview based on the information from other survey waves.

6.5   Definition of missing values

Uniform missing categories were assigned to all variables in the scientific use file. They are:

999997   refused
999998   do not know
999999   filter missing

Additional missing categories may be defined in specific variables, depending on their content (for this, see the variable descriptions in Chapter 10). Before each analysis, users are recommended to check whether the respective categories should be part of the analysis in terms of their content.

Unlike in Version 1, the uniform missing categories as well as the variable-specific missing categories are **not** declared invalid (user-missing) values in the SPSS format of Version 2 of the scientific use file. FDZ-BAuA provides users with a SPSS syntax tool for declaring user-missing values. It should be noted, however, that user-missing value declarations may need to be removed to properly address the values in syntax commands.

6.6 Changes to the previous version

During the preparation of Version 2 of the scientific use file, some changes were implemented compared to the previous version. The main changes to the dataset of the main questionnaire are the following:

- Lifting of closure periods
- Inclusion of some additional variables (such as interview month and year, panel participation willingness)
- Corrections to individual variables
- Inclusion of 103 additional cases in the dataset of the main questionnaire, which were previously not included in the scientific use file due to missing cross-sectional weights

The dataset of the short questionnaire was prepared and included in Version 2 of the scientific use file for the first time.

The scientific use file comes with release notes that document the changes in detail.

7 Anonymisation

7.1 Measures to minimise the risk of re-identification

While conducting the survey and creating the Scientific Use File of the BAuA-Working Time Survey 2017, measures were taken to minimise the risk of re-identifying respondents. At the same time, the potential for analysis for scientific purposes was to be preserved as much as possible.

A first important layer of protection against re-identification results from the nature of the survey: Since this is a sample rather than a complete survey of the working population, the probability of being able to match certain information from the dataset to one particular person is low.

Additionally, various other measures were taken to counteract the risk of re-identifying respondents based on direct or indirect identifiers:

7.2 Procedure for information with increased potential for re-identification

7.2.1 Procedure for direct identifiers

The following contact details were collected:
- Name of the person
- Address
- Telephone number
- Email address

These direct identifiers were used exclusively for contacting people for additional surveys and for carrying out panel maintenance measures. They are always stored separately from the survey data.

Survey data were pseudonymised already during the collection phase by assigning a unique identification number to the respondents (**lfd**). Assigning the pseudonym to the direct identifiers is only possible for the duration of the research project and only through specially authorised persons.

7.2.2 Procedure for indirect identifiers

The following indirect identifiers, which were collected in the course of the interview, also bear increased potential for re-identification when combined with additional information:
- Date of birth (month and year)
- Employment status
- Number of secondary employments
- Occupation (free-form text response)
- Industry (free-form text response)
- Duration of employment (since year)
- Begin of shift work (since year)
- Begin of night work (since year)

- Type of end of last employment
- Household size
- Gross monthly earnings
- Citizenship
- Regional information
- Interview date

When creating the scientific use file, different measures were taken to prevent the re-identification of persons using this information. They include coarsening data, summarising extreme values in marginal categories, and removing free-form text responses in the way described below. The measures were carried out analogously in both the dataset of the main and the short questionnaire.

The date of birth of respondents was coarsened to the **year of birth**. Additionally, the year of birth of people born before 1947 was summarised into a marginal category. In terms of **age**, which is generated from the date of birth and the interview date, people aged 70 and above were summarised into a marginal category.

For the **employment status**, the categories "military service/voluntary social year" and "volunteer work", which were used in the short questionnaire, were summarised due to low case numbers.

The **number of secondary employments** that the respondents engage in next to their main employment was coarsened into two categories, "secondary employment(s) present" or "no secondary employment(s) present".

Information on the **occupation** of the respondents is available in the dataset in coded form. The free-form text responses on the current main employment and (if available) one additional secondary employment were coded by infas according to the occupational types (5-digit groups) of the German Classification of Occupations in the 2010 version (KldB-10) and according to the unit groups (4-digit groups) of the International Standard Classification of Occupations 2008 (ISCO-08). This information was further coarsened for the scientific use file. The scientific use file contains data on the sub-major groups (2-digit groups) and minor groups (3-digit groups) of the ISCO-08 as well as the occupational main groups (2-digit groups) and occupational groups (3-digit groups) of KldB-10. Moreover, it contains the 5th digit of KldB-10, which describes the requirement level of an occupation. The additional occupational segments and occupational sectors included in the scientific use file are more coarsened versions of the occupational main groups of the KldB-10.

Information on the **industry** of the company that the respondents work for is included in the datasets only in coded form. The free-form text responses were coded by infas using the Classification of Economic Activities, Edition 2008 (WZ 2008). The scientific use file contains the divisions (2-digit groups) of WZ 2008 for the current main employment and (if available) for an additional secondary employment.

The years of the **start of the period of employment, of shift and night work** were each converted into the number of years. These are included in the scientific use file. Data exceeding 45 years are summarised into a marginal category. This made the data on years redundant, which were subsequently deleted.

The information given on the **type of end of last employment** from the short questionnaire for non-employed persons was coarsened by summarising the categories "early retirement" and "release phase of semi-retirement" as well as "gave up self-employment or family work" and "other", respectively.

Household sizes of more than 6 persons were summarised into a marginal category.

Gross monthly earnings were also summarised if persons stated that they exceeded 10,000 euros.

The **citizenship** stated by the respondents was coarsened into the two categories "German" and "not German". Additional citizenships were dealt with in the same way.

The dataset contains **regional information** only in the form of coarsened information on the German federal state. The German federal states Bremen and Lower Saxony as well as the Saarland and Rhineland-Palatinate were merged into one category, respectively.

The **interview date** was reduced to month and year.

All **free-form text responses** (job title, industry, citizenship) were deleted.

The anonymisation measures taken in the scientific use file are summarised in Table 7.1 and Table 7.2.

Tab. 7.1 Anonymisation measures: Overview of deleted variables

Variable name	Variable label
BXS2_Monat	Month of birth
BXkkz	County code
BXgkpol7	Municipality size class
BXgkbik10	Municipality size BIK 1–10
All free-form text responses:	
BX100_o, BX100_zg	Employment_free-form response
BX101_o	Employment follow-up question mention
BX102_o	Employment other designation_open
BX114_o, BX114_zg	Industry_open
BX604_o	SECEMP_1: Occupation_open
BX605_o	SECEMP_1: Occupation current_open
BX606_o	SECEMP_1: Description of current job_open
BX611_o, BX611_zg	SECEMP_1: Industry open_open
BX810_a_o	Citizenship_free-form response
BX810_3_o	Additional citizenship_free-form response
BXht_opens_all	Information on main employment_merged
BXnt1_opens_all	Information on 1st secondary employment_merged

Tab. 7.2 Anonymisation measures: Overview of coarsened variables

Variable name	Variable label	Procedure
BXS2_Jahr_vgr	Date of birth_coarsened	The code 999995 is assigned to people with a year of birth before 1947
BXAlter_vgr	Age_coarsened	The code 999995 is assigned to people aged 70 and above
BX_EST	Employment status	Coarsening resulted in the following categories: 1. not employed 2. employed with an interruption of more than 3 months 3. vocational training/apprenticeship/internship 4. military service/voluntary social year/volunteer work 6. employed without interruption 7. employed with an interruption of less than 3 months 8. unclear 9. secondary employment enquired about
BXnt	Secondary employment present	Coarsening of the number of secondary employments (BX600) into the two categories "secondary employment(s) present" or "no secondary employment(s) present"
BXI08_ht_2stl	Main employment ISCO-08 2-digit groups	Coding of free-form text responses, among others, on occupation (main employment) based on the sub-major groups (2-digit groups) of the ISCO-08
BXI08_ht_3stl	Main employment ISCO-08 3-digit groups	Coding of free-form text responses, among others, on occupation (main employment) based on the minor groups (3-digit groups) of the ISCO-08
BXKLDB10_ht_2stl	Main employment KLDB10 2-digit groups	Coding of free-form text responses, among others, on occupation (main employment) into the occupational main groups (2-digit groups) of the KldB-10
BXKLDB10_ht_3stl	Main employment KLDB10 3-digit groups	Coding of free-form text responses, among others, on occupation (main employment) into the occupational groups (3-digit groups) of the KldB-10

BXanfniv_ht	Main employment KLDB10 5th digit (requirement level)	Coding from free-form text responses, among others, on occupation (main employment) into the requirement levels (5th digit) of the KldB-10
BXKLDB10_ht_segm	Main employment KLDB10 occupational segments	Coding from free-form text responses, among others, on occupation (main employment) into the occupational segments based on the German Classification of Occupations of 2010 (KldB-2010)
BXKLDB10_ht_sekt	Main employment KLDB10 occupational sectors	Coding from free-form text responses, among others, on occupation (main employment) into the occupational sectors based on the German Classification of Occupations of 2010 (KldB-2010)
BXWZ08_ht	Main employment industry WZ08	Coding of free-form text responses, among others, on industry (main employment) into the divisions (2-digit groups) of WZ 2008
BX112_anzj_vgr	Duration of employment, number of years_coarsened	Assignment of the code 999995 for persons with a duration of employment of over 45 years
BX226_anzj_vgr	Shift work, number of years_coarsened	Assignment of the code 999995 to persons who have been working in shifts for over 45 years
BX227_anzj_vgr	Night work number of years_coarsened	Assignment of the code 999995 to persons who have been doing night work for over 45 years
BXI08_nt1_2stl	SECEMP_1: ISCO-08 2-digit groups	Coding of free-form text responses, among others, on occupation (1st secondary employment) based on the sub-major groups (2-digit groups) of the ISCO-08
BXI08_nt1_3stl	SECEMP_1: ISCO-08 3-digit groups	Coding of free-form text responses, among others, on occupation (1st secondary employment) based on the minor groups (3-digit groups) of the ISCO-08
BXKLDB10_nt1_2stl	SECEMP_1: KLDB10 2-digit groups	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the occupational main groups (2-digit groups) of the KLDB-10
BXKLDB10_nt1_3stl	SECEMP_1: KLDB10 3-digit groups	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the occupational groups (3-digit groups) of the KldB-10

BXanfniv_nt1	SECEMP_1: KLDB10 5th digit (requirement level)	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the requirement levels (5th digit) of the KldB-10
BXKLDB10_nt1_segm	SECEMP_1: KLDB10 occupational segments	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the occupational segments based on the German Classification of Occupations of 2010 (KldB-2010)
BXKLDB10_nt1_sekt	SECEMP_1: KLDB10 occupational sectors	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the occupational sectors based on the German Classification of Occupations of 2010 (KldB-2010)
BXWZ08_nt1	SECEMP_1: Industry WZ08	Coding of free-form text responses, among others, on occupation (1st secondary employment) into the divisions (2-digit groups) of WZ 2008
BX618_1_anzj_vgr	SECEMP_1: duration of employment number of years_coarsened	Assignment of the code 999995 for persons with a duration of employment of over 45 years
BX_K2_vgr	End of employment (SQ), coarsened	Variable included only in the short questionnaire. Coarsening resulted in the following categories: 1.fixed-term employment/vocational training/apprenticeship ended 2. early retirement/release phase of semi-retirement 3. retirement 5. employment relationship terminated by mutual agreement 6. terminated by the employer 7. own resignation 9. gave up self-employment or family work/other
BX800_vgr	Household size_coarsened	Assignment of the code 999995 for a household size over 6
BX805_vgr	Main employment: gross monthly earnings_ coarsened	Assignment of the code 999995 when the gross monthly earnings exceed 10,000 euros
BX810_2K	Citizenship_ grouped	Coarsening of the exact citizenship into the two categories "German" and "not German"
BX810_2_2K	Additional citizenship_ grouped	Coarsening of the exact additional citizenship into the two categories "German" and "not German"

BXbland_14K	Federal state_coarsened	Coarsening of the available regional information at the federal state level; merging of Bremen and Lower Saxony as well as Saarland and Rhineland-Palatinate
BXintdatmon, BXintdatjahr	Interview date month, Interview date year	Coarsening to specification in months

8 Weighting

The scientific use file contains different weights. On the one hand, it features a calibrated cross-sectional weight (**BXgewicht**), which can be used for representative analyses. This cross-sectional weight takes into account both a target person's original selection probability and (as is the case with panel cases) the probability of participation in the current survey wave. It results in an adjustment of the socio-demographic characteristics to the benchmarks from the Mikrozensus 2016 for the population of persons living in Germany aged 15 and above who are gainfully employed for at least 10 hours per week (excluding vocational training and voluntary services; see also Chapter 3 on the population of the BAuA-Working Time Survey).[2] Since the target group of the short questionnaire does not belong to the survey population as described, the dataset of the short questionnaire does not feature a cross-sectional weight.

Furthermore, the scientific use file features a longitudinal weight that can be used for longitudinal analyses. The weighting factor **LSGewichtW2** is available for all cases that participated in the previous survey wave in 2015. For these panel cases, the longitudinal weight is available in both the dataset for the main questionnaire and the dataset for the short questionnaire. For this longitudinal weight, refreshers are assigned a system missing value (.).

For more details on the generation of the weights, see Häring et al. (2018).

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[2] The dataset for the main questionnaire of the 2017 survey wave does not have a cross-sectional weight for 103 persons. These cases were not included in Version 1 of the scientific use file. However, they were included in Version 2, so as to be able to consider them for longitudinal analyses.

9 Closure periods

There were several variables in Version 1 of the scientific use file that were subject to a closure period and that were therefore not available to users. In Version 2, the version at hand, all closure periods have been lifted.

10 Variable descriptions

The following tables provide an overview of the variables featured in the dataset and clarify which questions they come from or how they were generated. They also provide information on any sources that were used for developing the respective question. Many variable descriptions also contain a "Concept" row that makes it easier to find certain overarching topics within the questionnaire.

The uniform missing categories of the variables (see Section 6.5 Definition of missing values) are not listed below. Missing categories are only listed below if they deviate from these overarching rules.

10.1 Dataset Main questionnaire for employed persons

Tab. 10.1.1 Identification number (lfd)

Variable label	Identification number
Variable name	lfd
Additional details	Generated person identification number that is used across waves

Tab. 10.1.2 Interview date year (BXintdatjahr)

Variable label	Interview date year
Variable name	BXintdatjahr
Values	2017

Tab. 10.1.3 Interview date month (BXintdatmon)

Variable label	Interview date month
Variable name	BXintdatmon
Values	5 to 9

Tab. 10.1.4 Cross-sectional weight 2017 (BXgewicht)

Variable label	Cross-sectional weight 2017
Variable name	BXgewicht
Values	0.10 to 14.99
Additional details	Generated, weighting factor for cross-sectional analyses Wave 2. For details on how the weighting is created, see the methodology report (Häring et al., 2018). 103 cases for which the weight was not calculated are SYSMIS.

Tab. 10.1.5 First-time participation in ... (BXErstteilnahme)

Variable label	First-time participation in ...
Variable name	BXErstteilnahme
Values	2015 2017
Additional details	Generated from checking against survey in 2015. Cases with the value 2017 are part of the refresher sample.

Tab. 10.1.6 Last participated (also SQ) in ... (BXLetztteilnahme)

Variable label	Last participated (also SQ) in ...
Variable name	BXLetztteilnahme
Values	2015
Additional details	Generated from checking against survey in 2015. Refresher sample cases were assigned a filter missing (999999).

Tab. 10.1.7 Participation WTS 2015 (BXTeilnahme2015)

Variable label	Participation WTS 2015
Variable name	BXTeilnahme2015
Values	1 participation main questionnaire 2 no participation
Additional details	Generated variable marking panel participation

Tab. 10.1.8 Participation WTS 2017 (BXTeilnahme2017)

Variable label	Participation WTS 2017
Variable name	BXTeilnahme2017
Values	1 participation main questionnaire
Additional details	Generated variable marking panel participation

Tab. 10.1.9 Survey instrument (BXtyp)

Variable label	Survey instrument
Variable name	BXtyp
Values	1 main questionnaire
Additional details	Generated variable used to differentiate Type 1=main questionnaire from Type 2=short questionnaire (for non-employed persons)

Tab. 10.1.10 Pretest case (BXmarker)

Variable label	Pretest case
Variable name	BXmarker
Values	1 case from pretest 2 case from main survey
Additional details	Generated from survey paradata

Tab. 10.1.11 Sex (BXS1)

Variable label	Sex
Variable name	BXS1
Values	1 male 2 female
Additional details	Recording of the sex by the interviewer during the screening (S1). For panel cases, this is used for checking whether it is indeed the target person (PS3, in PS4 follow-up question if information deviates from preload information).
Instructions for interviewers	S1: Enter the sex of the target person. PS3: Do not read out! Enter the sex of the respondent! PS4: The recorded sex [S1] does not match the available information [PRE_Geschlecht]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether the sex was recorded correctly.
Concept	Socio-demographics

Tab. 10.1.12 Date of birth_coarsened (BXS2_Jahr_vgr)

Variable label	Date of birth_coarsened
Variable name	BXS2_Jahr_vgr
Values	1947 to 2001 999995 before 1947
Additional details	Recording of year of birth in screening (S2). For panel cases, this is used for checking whether this is indeed the target person (PS1, in PS2 follow-up question if information deviates from preload information by two years). **Coarsening:** (LOWEST THRU 1946 = 999995)
Question	S2: Here are a few questions that depend on your age. For this reason, please tell me first: When were you born? Please tell me your month and year of birth. PS1: First of all, please tell me when you were born? Please tell me the month and year.

Instructions for interviewers	PS2: The age recorded [ALTER from PS1] does not match the available age [PRE_ALTER]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether year of birth was recorded correctly.
Concept	Socio-demographics

Tab. 10.1.13 Age_coarsened (BXAlter_vgr)

Variable label	Age_coarsened
Variable name	BXAlter_vgr
Values	15 to 70 999995 over 70 years
Additional details	Recording of year of birth in screening (S2). For panel cases, this is used for checking whether this is indeed the target person (PS1, in PS2 follow-up question if information deviates from preload information by two years). Age generated from year of birth and interview date. **Topcoding:** (71 THRU 150 = 999995)
Question	S2: Here are a few questions that depend on your age. For this reason, please tell me first: When were you born? Please tell me your month and year of birth. PS1: First of all, please tell me when you were born? Please tell me the month and year.
Instructions for interviewers	PS2: The age recorded [ALTER from PS1] does not match the available age [PRE_ALTER]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether year of birth was recorded correctly.
Concept	Socio-demographics

Tab. 10.1.14 Employment status (BX_EST)

Variable label	Employment status
Variable name	BX_EST
Values	6 employed without interruption 7 employed with an interruption of less than 3 months 9 secondary employment enquired about
Additional details	Generated from the information from the screening. BX_EST=9 does not mean that it is the main employment but that the secondary job is gainful employment in accordance with the definition of the study. BX_EST has a filtering function for the interview. The values 6, 7, and 9 lead to the main questionnaire for employed persons.
Concept	Employment

Tab. 10.1.15 Main employment ISCO-08 2-digit groups (BXI08_ht_2stl)

Variable label	Main employment ISCO-08 2-digit groups
Variable name	BXI08_ht_2stl
Values	Values, see Bundesamt für Statistik, 2017. -9 no response -5 not codable
Additional details	Coding of open responses (BX100, BX101, BX102) and, if required, additional information (including employment status) based on the sub-major groups (2-digit groups) of the International Standard Classification of Occupations of 2008 (ISCO-08). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave. While coding open responses as 4-digit groups from ISCO-08, infas assigned a special code in a few cases that is not included in the original classification: 410 "Soldier without further specification (special GESIS code)" When coarsening to ISCO-08 2-digit groups, this special code was retained as: 4 "Soldier without further specification (special GESIS code)"
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our

	investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.16 Main employment ISCO-08 3-digit groups (BXI08_ht_3stl)

Variable label	Main employment ISCO-08 3-digit groups
Variable name	BXI08_ht_3stl
Values	Values, see Bundesamt für Statistik, 2017. -9 no response -5 not codable
Additional details	Coding of open responses (BX100, BX101, BX102) and, if required, additional information (including employment status) based on the minor groups (3-digit groups) of the International Standard Classification of Occupations of 2008 (ISCO-08). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave. While coding open responses as 4-digit groups from ISCO-08, infas assigned a special code in a few cases that is not included in the original classification: 410 "Soldier without further specification (special GESIS code)" When coarsening to ISCO-08 3-digit groups, this special code was retained as: 41 "Soldier without further specification (special GESIS code)"
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are

	currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.17 Main employment KLDB10 2-digit groups (BXKLDB10_ht_2stl)

Variable label	Main employment KLDB10 2-digit groups
Variable name	BXKLDB10_ht_2stl
Values	Values, see Bundesagentur für Arbeit, 2013. -9 no response -5 not codable -4 in education and training (school-based), student
Additional details	Coding of open responses (BX100, BX101, BX102) and, if required, additional information (including employment status) based on the occupational main groups (2-digit groups) of the German Classification of Occupations of 2010 (KldB-10). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave.
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but

	secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.18 Main employment KLDB10 3-digit groups (BXKLDB10_ht_3stl)

Variable label	Main employment KLDB10 3-digit groups
Variable name	BXKLDB10_ht_3stl
Values	Values, see Bundesagentur für Arbeit, 2013. -9 no response -5 not codable -4 in education and training (school-based), student
Additional details	Coding of open responses (BX100, BX101, BX102) and, if required, additional information (including employment status) based on the occupational groups (3-digit groups) of the German Classification of Occupations of 2010 (KldB-10). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave.
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on

	secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.19 Main employment KLDB10 occupational segments (BXKLDB10_ht_segm)

Variable label	Main employment KLDB10 occupational segments
Variable name	BXKLDB10_ht_segm
Values	-9 no response -5 not codable -4 in education and training (school-based), student 11 occupations in agriculture, forestry and horticulture 12 manufacturing occupations 13 occupations concerned with production technology 14 occupations in building and interior construction 21 occupations in the food industry, in gastronomy and in tourism 22 medical and non-medical health care occupations 23 service occupations in social sector and cultural work 31 occupations in commerce and trade 32 occupations in business management and organisation 33 business-related service occupations 41 service occupations in the IT-sector and the natural sciences 51 safety and security occupations 52 occupations in traffic and logistics 53 occupations in cleaning services

Additional details	Assignment of the occupational main groups (two-digit groups) of the German Classification of Occupations of 2010 (BXKLDB10_ht_2stl) to the occupational segments according to Matthes et al. (2015). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave. **Coarsening:** (11,12 = 11) (21,22,23,24,28,93 = 12) (25,26,27= 13) (31,32,33,34 = 14) (29,63 = 21) (81,82 = 22) (83,84,91,94 = 23) (61,62 = 31) (71 = 32) (72,73,92 = 33) (41,42,43 = 41) (1,53 = 51) (51,52 = 52) (54 = 53)
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in?

	BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.20 Main employment KLDB10 occupational sectors (BXKLDB10_ht_sekt)

Variable label	Main employment KLDB10 occupational sectors
Variable name	BXKLDB10_ht_sekt
Values	-9 no response -5 not codable -4 in education and training (school-based), student 1 occupations in the production of goods 2 occupations in personal services 3 occupations in business administration and other business related services 4 service occupations in the IT-sector and the natural sciences 5 other occupations in commercial services
Additional details	Assignment of the occupational segments (BXKLDB10_ht_segm) to the occupational sectors according to Matthes et al. (2015). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave. **Coarsening:** (11,12,13,14 = 1) (21,22,23 = 2) (31,32,33 = 3) (41 = 4) (51,52,53 = 5) (11,12,13,14 = 1) (21,22,23 = 2) (31,32,33 = 3) (41 = 4) (51,52,53 = 5)
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case? BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on

	secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.21 Main employment KLDB10 5th digit (requirement level) (BXanfniv_ht)

Variable label	Main employment KLDB10 5th digit (requirement level)
Variable name	BXanfniv_ht
Values	-9 no response -5 not codable -4 in education and training (school-based), student 1 unskilled or semi-skilled activities 2 specialist activities 3 complex specialist activities 4 highly complex tasks
Additional details	Coding of open responses (BX100, BX101, BX102) and, if required, additional information (including employment status) based on the requirement level (5th digit) of the German Classification of Occupations of 2010 (KldB-10) (Bundesagentur für Arbeit, 2013). For panel cases, the information was checked against that from the previous wave (BX100pre). If no change was indicated, the coding was taken over from the previous wave.
Question	BX100_pre: In the last survey in [PRE-Interviewdatum], you stated that you worked as a [PRE_Beruf] [if several employments (BX_E1=2 and BX_EST=6, 7): in your main employment]. Is this still the case?

	BX100: If refresher or panel case without preload/preload not continued (BX100_pre=2,999996,999997,999998,SYSMISS): What main occupation are you currently engaged in [if reported on secondary employment (BX_EST=9): in this secondary employment]? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. If panel case and occupation from preload now only carried out in secondary employment (BX100_pre=4): What is currently your main occupation? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX101: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in? BX102: Can you be even more specific about this occupation? Does the occupation you engage in carry another name?
Instructions for interviewers	BX100_pre: If information on occupation is incorrect, please use button.
Concept	Employment

Tab. 10.1.22 Employment status (BX103)

Variable label	Employment status
Variable name	BX103
Values	1 blue-collar worker (wage earner) 2 white-collar worker (salaried employee) 3 civil servant 4 self-employed person 5 independent professional/freelancer 6 independent contractor/freelancer 7 family worker 8 TP cannot decide between wage earner and salaried employee
Additional details	Generated from employment status (BX103). For panel cases, the information was checked against that of the previous wave (BX103pre). If no changes were indicated, the information from the previous wave was taken over for this variable.

	Response category 8 was not read aloud.
Question	BX103_pre: In the last interview, we noted that you were a(n) [PRE_StiB] at the time. Is this still the case? BX103: What is your employment status in your occupation as [Tätigkeit_T2]? Are you a(n) ...
Instructions for interviewers	BX103_pre: If information on occupation is incorrect, please use button.
Concept	Employment relationship, employment status

Tab. 10.1.23 Level of qualification blue-collar worker (wage earner) (BX104)

Variable label	Level of qualification blue-collar worker (wage earner)
Variable name	BX104
Values	1 semi-skilled worker, labourer, unskilled worker 2 skilled worker, work gang foreperson 3 foreperson, group leader 4 master (craftsperson), site foreperson (wage earner)
Additional details	Generated from level of qualification wage earner (BX104). For panel cases, the information from the previous wave was taken over if it was available in detail and no change in the employment status was specified (BX103pre).
Question	Which of the following groups do you belong to? Are you a(n) ...
Filter question	If wage earner (BX103=1)
Concept	Employment relationship, level of qualification

Tab. 10.1.24 Level of qualification white-collar worker (salaried employee) (BX105)

Variable label	Level of qualification white-collar worker (salaried employee)
Variable name	BX105
Values	1 performing simple tasks 2 performing qualified tasks 3 performing highly qualified tasks
Additional details	Generated from level of qualification salaried employee (BX105). For panel cases, the information from the previous wave was taken over if it was available in detail and no change in the employment status was specified (BX103pre). Original response categories: 1: performing simple tasks 2: performing qualified tasks, e.g., clerk, accountant, technical draftsperson 3: performing highly qualified tasks, e.g., academic research staff, engineer, department head
Question	Are you a white-collar worker (salaried employee) ...
Instructions for interviewers	Examples of simple tasks include those of shop assistants, cleaners, nursing assistants.

Filter question	If white-collar worker or employment status unclear (BX103=2,8,999997,999998)
Concept	Employment relationship, level of qualification

Tab. 10.1.25 Master (craftsperson), site foreperson (salaried employee) (BX106)

Variable label	Master (craftsperson), site foreperson (salaried employee)
Variable name	BX106
Values	1 yes 2 no
Additional details	Generated from Master (craftsperson), site foreperson (salaried employee) (BX106). For panel cases, the information from the previous wave was taken over if it was available in detail and no change in the employment status was specified (BX103pre).
Question	Are you employed as a master (craftsperson) or site foreperson?
Filter question	If salaried employee with qualified/highly qualified tasks (BX105=2,3)
Concept	Employment relationship, level of qualification

Tab. 10.1.26 Level of qualification civil servants (BX107)

Variable label	Level of qualification civil servants
Variable name	BX107
Values	1 in ordinary service 2 in intermediate service 3 in higher intermediate service 4 in higher service
Additional details	Generated from level of qualification civil servants (BX107). For panel cases, the information from the previous wave was taken over if it was available in detail and no change in the employment status was specified (BX103pre).
Question	Are you a civil servant ...
Filter question	If civil servant (BX103=3)
Concept	Employment relationship, level of qualification

Tab. 10.1.27 Self-employed master (craftsperson) (BX108)

Variable label	Self-employed master (craftsperson)
Variable name	BX108
Values	1 yes 2 no
Additional details	Generated from self-employed master (craftsperson) (BX108). For panel cases, the information from the previous wave was taken over if it was available in detail and no change in the employment status was specified (BX103pre).

Question	Are you a self-employed master (craftsperson)?
Filter question	If self-employed (BX103=4)
Concept	Employment relationship, level of qualification

Tab. 10.1.28 Fixed-term or permanent employment relationship (BX109)

Variable label	Fixed-term or permanent employment relationship
Variable name	BX109
Values	1 fixed-term 2 permanent 3 does not apply, no employment contract
Question	Are you currently in a fixed-term or in a permanent employment relationship?
Filter question	If employment status is blue-collar worker (wage earner), salaried employee, or unclear (BX103=1,2,8,999997,999998)
Concept	Employment relationship, fixed-term

Tab. 10.1.29 Contracts for work and services (BX110)

Variable label	Contracts for work and services
Variable name	BX110
Values	1 solely 2 occasionally 3 never
Question	Do you never, occasionally, or solely work based on contracts for specific work and services [if several employments ((BX_E1=2 or E1=2) and BX_EST≠9): in your main employment]?
Instructions for interviewers	Read aloud if required: With a contract for work and services, a client pays a contractor not for working time, but solely for the result, i.e., the finished product (work) or a successful performance (of a service).
Filter question	If employment status self-employed/freelance/independent contractor (BX103=4,5,6,999997,999998)
Concept	Employment relationship

Tab. 10.1.30 Employed by a staffing agency (BX111)

Variable label	Employed by a staffing agency
Variable name	BX111
Values	1 yes 2 no
Question	Are you employed by a staffing agency that hires you out to other companies?
Filter question	If employment status is blue-collar worker (wage earner), salaried employee, or unclear (BX103=1,2,8,999997,999998)
Concept	Employment relationship

Tab. 10.1.31 Same employer (BX112a)

Variable label	Same employer
Variable name	BX112a
Values	1 yes 2 no 3 took up additional main employment
Additional details	Original response categories: 1: yes 2: no If BX_E1=2: 3: employment relationship still exists but additional main employment was taken up with a new employer
Question	Are you still working for the same employer as during the past survey in [PRE_Interviewdatum] [if several employments (BX_E1=2): in your main employment]?
Filter question	If panel case, currently and previously a dependent employee (BX103=1,2,3,7,8,999997,999998 and PRE_StiB=1-15,21)
Concept	Employment relationship, employer

Tab. 10.1.32 Reason, change of employer (BX112b)

Variable label	Reason, change of employer
Variable name	BX112b
Values	1 employment relationship terminated by mutual agreement 2 terminated by the employer 3 own resignation 4 fixed-term employment or vocational training/apprenticeship completed 5 other reason 6 took up additional main employment

Additional details	Original response categories: 1: was the employment relationship terminated by mutual agreement, 2: terminated by the employer 3: have you quit yourself 4: did a temporary employment or apprenticeship end 5: none of the response options applies If BX_E1=2: 6: employment relationship still exists but additional main employment was taken up with a new employer Response categories 5 and 6 were not read aloud.
Question	If currently not self-employed/freelance/independent contractor (BX103=1,2,3,7,8,999997,999998): How did the employment relationship end? If currently self-employed/freelance/independent contractor (BX103=4,5,6): In the last survey, you stated that you were a dependent employee at the time. How did that employment relationship end?
Instructions for interviewers	This refers to the employment relationship of your main employment at the time of the last interview. If the interviewee cannot remember, relate the question to the last employment relationship between the last interview and today.
Filter question	If panel case previously was a dependent employee and changed employers or became self-employed ((PRE_StiB=1-15,21 and BX103=4,5,6) or BX112a=2)
Concept	Employment relationship, employer

Tab. 10.1.33 Reason, change of employer: job cuts/restructuring (BX112c)

Variable label	Reason, change of employer: job cuts/restructuring
Variable name	BX112c
Values	1 yes 2 no
Question	Was the main reason restructuring or job cuts?
Filter question	If employment relationship did not end due to a fixed-term contract (BX112b=1,2,3,5)
Concept	Employment relationship, employer

Tab. 10.1.34 Job loss due to digitalisation (BX112d)

Variable label	Job loss due to digitalisation
Variable name	BX112d
Values	1 yes 2 no

Question	If employment relationship terminated by mutual agreement or terminated by employer (BX112b=1,2): Nowadays, machines, robots, and computer can take on many jobs that were previously done by humans. From your point of view, has this played a role for the loss of/for giving up your job?
	If employment relationship ended due to own resignation or for other reasons (BX112b=3,5): Nowadays, machines, robots, and computer can take on many jobs that were previously done by humans. Has this played a role in giving up your employment?
Instructions for interviewers	If the respondent answers "to some extent" or "only partly", please fill in "yes"
Filter question	If employment relationship did not end due to a fixed-term contract (BX112b=1,2,3,5)
Concept	Employment relationship, employer

Tab. 10.1.35 Periods of unemployment (BX112e)

Variable label	Periods of unemployment
Variable name	BX112e
Values	1 yes 2 no
Question	Have you been unemployed or registered as job-seeking since the last survey in [PRE_Interviewdatum]?
Filter question	If panel case
Concept	Unemployment, search for employment

Tab. 10.1.36 Duration of employment number of years_coarsened (BX112_anzj_vgr)

Variable label	Duration of employment number of years_coarsened
Variable name	BX112_anzj_vgr
Values	0 to 45 999995 over 45 years
Additional details	Generated from number of years of the duration of employment (BX112) and interview date. **Topcoding:** (46 THRU 150 = 999995) Validated by follow-up question if target person was aged 14 or less on the specified start date.
Question	If dependent employee and not temping (BX103=1,2,3,7,8,999997,999998 und BX111≠1): Since when have you been employed by your current employer? Please tell me the year. If self-employed/freelance (BX103=4,5): Since when have you been operating this company, this business? Please tell me the year.

	If independent contractor/freelance (BX103=6): Since when have you been working as an independent contractor/freelancer for the company which you invest most working time in? Please tell me the year. If temping (BX111=1): Since when have you been with this staffing agency? Please tell me the year.
Concept	Company, duration of employment

Tab. 10.1.37 Economic sector (BX113)

Variable label	Economic sector
Variable name	BX113
Values	1 public service 2 industry 3 trades 4 commerce 5 other services 6 another sector 7 private household
Additional details	Original response categories: If BX103=1,2,3,6,7,8,999997,999998: 1: the public service 2: industry 3: craft sector 4: commerce 5: other services If BX103=4,5: 6: (or) another sector If BX103=1,2,3,6,7,8,999997,999998: 6: (or) another sector If BX103=1,2,6,7,8,999997,999998: 7: or is it a private household
Question	If not self-employed/freelance (BX103=1,2,3,7,8,999997,999998): Does the company you work for belong to ... If self-employed/freelance (BX103=4,5): Does your business belong to ... If independent contractor/freelance (BX103=6): Does the company you mainly work for belong to ...
Instructions for interviewers	If temping (BX111=1): If not currently hired out, last hiring company
Concept	Structural economic features

Tab. 10.1.38 Main employment industry WZ08 (BXWZ08_ht)

Variable label	Main employment industry WZ08
Variable name	BXWZ08_ht

Values	For values, see Statistisches Bundesamt, 2008.
	-8 do not know
	-7 refused
	-5 not codable
Additional details	Coding of open responses (BX114) and, if required, further information (including employment status) according to the divisions of the Classification of Economic Activities of 2008 (WZ2008).
	For panel cases, the information was checked against that from the previous wave (BX114pre). If no change was indicated, the coding was taken over from the previous wave.
Question	BX114pre:
	If dependent employee (BX103=1,2,3,7,8,999997,999998): In the last survey in [PRE_Intdatum], you stated that the company you work for belongs to the following industry: [PRE_Branche]. Is that still the case?
	If self-employed/freelance (BX103=4,5): In the last survey in [PRE_Intdatum], you stated that your business belongs to the following industry: [PRE_Branche]. Is that still the case?
	If independent contractor/freelance (BX103=6): In the last survey in [PRE_Intdatum], you stated that the company you mainly work for belongs to the following industry: [PRE_Branche]. Is that still the case?
	BX114: And which industry does this company/[if panel case and no preload/preload not continued (BX114pre=2,999996,999997, 999998,SYSMISS): the company you currently work for] belong to? Please tell me as precisely as possible.
Instructions for interviewers	BX114pre: If information on the industry is false, please use the button.
	BX114: Please specify the exact industry, e.g., "retail" not "commerce", or "hospital" not "public service". Please ask if necessary!
Filter question	If no occupation in private household (BX113≠7)
Concept	Structural economic features

Tab. 10.1.39 Company size (BX115)

Variable label	Company size
Variable name	BX115
Values	1 1 person
	2 2 persons
	3 3 to 4 persons
	4 5 to 9 persons
	5 10 to 19 persons

	6 20 to 49 persons 7 50 to 99 persons 8 100 to 249 persons 9 250 to 499 persons 10 500 to 999 persons 11 1,000 and more persons
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): How many people are employed in the company you work for, approximately, including yourself, the owner, and trainees/apprentices? [If public service (BX113=1): This refers to the number of employees at the local department.] If self-employed/freelance (BX103=4,5): How many people are employed in your company in total, including yourself and any trainees/apprentices? [If public service (BX113=1): This refers to the number of employees at the local department.] If independent contractor/freelance (BX103=6): How many people are employed in the company you mainly work for, approximately, including the owner, and trainees/apprentices? [If public service (BX113=1): This refers to the number of employees at the local department.]
Instructions for interviewers	This refers to the number of employees at the local department, branch, or place of business.
Concept	Structural economic features

Tab. 10.1.40 Restructuring last 2 years (BX116_1)

Variable label	Restructuring last 2 years
Variable name	BX116_1
Values	1 yes 2 no
Question	Introduction to BX116: If dependent employee/independent contractor (BX103=1,2,3,6,7,8,999997,999998) and longer duration of employment (BX112≤2015,999997,999998): Please tell me now whether the following changes were undertaken in your immediate working environment in the last two years. In the last two years ... If dependent employee/independent contractor (BX103=1,2,3,6,7,8,999997,999998) and short duration of employment (BX112>2015): Please tell me now whether the following changes were undertaken in your immediate working environment since you have been working for this business. During this time ... If self-employed/freelance (BX103=4,5) and longer duration of employment (BX112≤2015,999997,999998): Please tell

	me now whether the following changes were undertaken in your company in the last two years. In the last two years ... If self-employed/freelance (BX103=4,5) and short duration of employment (BX112>2015): Please tell me now whether the following changes were undertaken in your company in the last two years since you started operating it. During this time ... BX116_1: ... has there been significant restructuring or reorganisation that affected your immediate work environment?
Concept	Company, company restructuring

Tab. 10.1.41 Job cuts/layoffs last 2 years (BX116_2)

Variable label	Job cuts/layoffs last 2 years
Variable name	BX116_2
Values	1 yes 2 no
Question	Introduction to BX116: If dependent employee/independent contractor (BX103=1,2,3,6,7,8,999997,999998) and longer duration of employment (BX112≤2015,999997,999998): Please tell me now whether the following changes were undertaken in your immediate working environment in the last two years. In the last two years ... If dependent employee/independent contractor (BX103=1,2,3,6,7,8,999997,999998) and short duration of employment (BX112>2015): Please tell me now whether the following changes were undertaken in your immediate working environment since you have been working for this business. During this time ... If self-employed/freelance (BX103=4,5) and longer duration of employment (BX112≤2015,999997,999998): Please tell me now whether the following changes were undertaken in your company in the last two years. In the last two years ... If self-employed/freelance (BX103=4,5) and short duration of employment (BX112>2015): Please tell me now whether the following changes were undertaken in your company in the last two years since you started operating it. During this time ... BX116_2: ... were there jobs being cut or layoffs?
Concept	Company, company restructuring

Tab. 10.1.42 Worries_future unemployment/going out of business/ending independent contract work (BX117)

Variable label	Worries_future unemployment/going out of business/ending independent contract work
Variable name	BX117
Values	1 yes 2 no 3 do not want to be taken over
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): Are you worried about becoming unemployed in the near future? If self-employed/freelance (BX103=4,5): Are you worried that you have to close your business in the near future? If independent contractor/freelance (BX103=6): Are you worried that your freelance work at the company you mainly work will end in the near future?
Concept	Company, job security

Tab. 10.1.43 Employability_self-assessment (BX117a)

Variable label	Employability_self-assessment
Variable name	BX117a
Values	1 very easily 2 3 4 5 with great difficulties
Question	And if you became unemployed: How easily do you think you will find a new job? For your rating, please use a scale from 1 " very easily" to 5 "with great difficulties". Use the intermediate values to weigh your rating.
Filter question	If dependent employee (BX103=1,2,3,7,8,97,98)
Concept	Unemployment, search for employment

Tab. 10.1.44 Existence of works council/employee organisation (BX118)

Variable label	Existence of works council/employee organisation
Variable name	BX118
Values	1 yes 2 no
Question	Does an employee organisation, a works council, or a staff council exist in the company you work for?
Concept	Company, works council

Tab. 10.1.45 Leading position (BX119)

Variable label	Leading position
Variable name	BX119
Values	1 yes 2 no
Question	Are there any employees for whom you are the direct superior?
Concept	Superiors

Tab. 10.1.46 Number of directly subordinate employees (BX120)

Variable label	Number of directly subordinate employees
Variable name	BX120
Values	0 to 2,000
Question	And how many people are there?
Filter question	If leading position (BX119=1)
Concept	Superiors

Tab. 10.1.47 Mental and physical activity (BX418)

Variable label	Mental and physical activity
Variable name	BX418
Values	1 predominantly mental 2 predominantly physical 3 more or less equally mental and physical
Question	I will now read to you a number of working conditions. First, we would like to know the following: Is your work ...
Concept	Working conditions, activities

Tab. 10.1.48 Working in a standing position (BX500_1)

Variable label	Working in a standing position
Variable name	BX500_1
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 1: work in a standing position?
Concept	Working conditions, physical demands

Tab. 10.1.49 Working in a sitting position (BX500_7)

Variable label	Working in a sitting position
Variable name	BX500_7
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 7: work in a sitting position?
Concept	Working conditions, physical demands

Tab. 10.1.50 Lifting and carrying heavy loads (BX500_2)

Variable label	Lifting and carrying heavy loads
Variable name	BX500_2
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 2: lift and carry loads of more than [if male: 20kg]/[if female: 10kg]?
Concept	Working conditions, physical demands

Tab. 10.1.51 Cold, heat, moisture, dampness, draughts (BX500_3)

Variable label	Cold, heat, moisture, dampness, draughts
Variable name	BX500_3
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 3: work exposed to cold, heat, moisture, dampness, or draughts?
Concept	Working conditions, physical demands

Tab. 10.1.52 Kneeling, bending, overhead (BX500_4)

Variable label	Kneeling, bending, overhead
Variable name	BX500_4
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 4: work in a bending, squatting, kneeling or recumbent position, or overhead?
Concept	Working conditions, physical demands

Tab. 10.1.53 Harsh, bad, insufficient lighting (BX500_5)

Variable label	Harsh, bad, insufficient lighting
Variable name	BX500_5
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 5: work under harsh, bad, or insufficient lighting?
Concept	Working conditions, physical demands

Tab. 10.1.54 Noise (BX500_6)

Variable label	Noise
Variable name	BX500_6
Values	1 often 2 sometimes 3 seldom 4 never
Question	I will now read out a series of working conditions. Please tell me for each case whether this happens often, sometimes, seldom, or never in your occupation as [Tätigkeit_T2]. How often does it happen in your occupation that you ... 6: work in noisy conditions?
Concept	Working conditions, physical demands

Tab. 10.1.55 Work execution prescribed (BX415_1)

Variable label	Work execution prescribed
Variable name	BX415_1
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that the work execution is prescribed down to the last detail?
Concept	Working conditions, autonomy and decision-making

Tab. 10.1.56 Planning and scheduling own work (BX415_2)

Variable label	Planning and scheduling own work
Variable name	BX415_2
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you can plan and schedule your work yourself?
Concept	Working conditions, autonomy and decision-making

Tab. 10.1.57 Influence the workload (BX415_3)

Variable label	Influence the workload
Variable name	BX415_3
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you can influence the workload assigned to you?
Concept	Working conditions, autonomy and decision-making
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.58 Own decision over when to take breaks (BX415_4)

Variable label	Own decision over when to take breaks
Variable name	BX415_4
Values	1 often 2 sometimes 3 seldom 4 never

Question	How often does it happen in your workplace that you can decide when to take a break?
Concept	Working conditions, autonomy and decision-making
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.59 Influence over the nature of tasks (BX415_5)

Variable label	Influence over the nature of tasks
Variable name	BX415_5
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you have influence over which work-related tasks you carry out?
Concept	Working conditions, autonomy and decision-making
Source	based on Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.60 Contractually agreed-upon weekly working hours (BX200)

Variable label	Contractually agreed-upon weekly working hours
Variable name	BX200
Values	2.5 to 72.0 999996 no agreed-upon weekly working hours
Additional details	Hours per week, one decimal place. Validated by follow-up question at >48h. Programming: value range 1–85.
Question	What are the weekly working hours in your occupation as [Tätigkeit_T2] according to the contractual agreement with your employer, excluding overtime?
Instructions for interviewers	A week can include Saturdays and Sundays, e.g., in the food service industry. Please only state what is agreed-upon as weekly working hours in the contract, i.e., without overtime, extra work, etc. For teachers, the agreed-upon weekly working hours refer to the teaching load.
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Duration working time, length

Tab. 10.1.61 Average actual weekly working hours (BX201)

Variable label	Average actual weekly working hours
Variable name	BX201

Values	1.0 to 120.0 999996 irregular working hours
Additional details	Hours per week, one decimal place. Validated by follow-up questions: - at >60h (BX201_1a) - if actual working time exceeds agreed-upon working time by more than 20% (BX202_1). Programming: value range 1–120.
Question	How many hours do you actually work on average per week in this employment – including regular overtime, extra work, emergency-response duty, etc.?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value. This refers to the current average working time. Exception: If the target person has currently interrupted their employment, this refers to the working time before the interruption.
Concept	Duration working time, length

Tab. 10.1.62 Weekly working hours last week (BX202)

Variable label	Weekly working hours last week
Variable name	BX202
Values	1.0 to 120.0
Additional details	Hours per week, one decimal place. Validated by follow-up questions: - at >60h (BX201_1b) - if actual working time exceeds agreed-upon working time by more than 20% (BX202_1). Programming: value range 1–120.
Question	How many hours did you work in this employment last week?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value. If the target person interrupted their employment during the past week, this refers to the working time before the interruption.
Filter question	If average weekly working hours unclear (BX201=999996,999997,999998) and employment not interrupted (BX_EST≠7)
Concept	Duration working time, length

Tab. 10.1.63 Part-time position (BX203a)

Variable label	Part-time position
Variable name	BX203a
Values	1 yes 2 no
Question	Is this a part-time position?
Filter question	If weekly working hours <35h (BX201<35 or BX202<35, only valid values in each case)
Concept	Form of employment, part-time/full-time

Tab. 10.1.64 Full-time position (BX203b)

Variable label	Full-time position
Variable name	BX203b
Values	1 yes 2 no
Question	Is this a full-time position?
Filter question	If weekly working hours ≥35h (BX201≥35 or BX202≥35, only valid values in each case)
Concept	Form of employment, part-time/full-time

Tab. 10.1.65 Part-time/full-time position (BX203c)

Variable label	Part-time/full-time position
Variable name	BX203c
Values	1 part-time position 2 full-time position
Question	Is this a part-time or a full-time position?
Filter question	If weekly working hours unclear (BX201=999996,999997,999998 and BX202=999997,999998,999999)
Concept	Form of employment, part-time/full-time

Tab. 10.1.66 Amount of transitory overtime (BX207a)

Variable label	Amount of transitory overtime
Variable name	BX207a
Values	0.0 to 38.5 999996 all
Additional details	Hours, one decimal place. Validated by follow-up question if the sum of the transitory, paid out, or uncompensated overtime is min. 0.5 hours larger/smaller than the total sum of overtime (BX207c). Programming: value range 0 to [BX201 minus BX200] or [BX202 minus BX200], respectively.
Question	If information for average week (BX201) available: During an average week, you work about [BX201 minus BX200]

	hours more than is contractually agreed-upon with your employer. Some employees are compensated for their overtime or extra work with time off or payments, others are not compensated. What about you? How many of these [BX201 minus BX200] hours are compensated for with time off? If information from last week is available instead (BX201=999996,999997,999998): You indicated that you worked [BX202 minus BX200] hours more during the past week than is contractually agreed-upon with your employer. Some employees are compensated for their overtime or extra work with time off or payments, others are not compensated. What about you? How many of these [BX202 minus BX200] hours are compensated for with time off?
Instructions for interviewers	When in doubt, an estimate is sufficient. This refers to the average amount of overtime that is compensated for with time off. For teachers, the agreed-upon weekly working hours refer to the teaching load. However, the actual weekly working hours of teachers also include working time for preparing and following up on lessons, both of which are done at home to some extent. Accordingly, hours spent by teachers on preparing and following up on lessons are typically not understood as extra work or overtime.
Filter question	If actual working time exceeds contractually agreed-upon working time ((BX201>BX200 and BX201<999996 and BX200<999996) or (BX202>BX200 and BX202<999997 and BX200<999996))
Concept	Duration working time, overtime

Tab. 10.1.67 Amount of paid out overtime (BX207b)

Variable label	Amount of paid out overtime
Variable name	BX207b
Values	0.0 to 81.5 999995 the rest 999996 all
Additional details	Hours, one decimal place. Validated by follow-up question if the sum of the transitory, paid out, or uncompensated overtime is min. 0.5 hours larger/smaller than the total sum of overtime (BX207c). Programming: value range 0 to [BX201 minus BX200 minus BX207a] or [BX202 minus BX200 minus BX207a], respectively.
Question	And how many [if BX207a<999996: of the remaining [BX201 minus BX200 minus BX207a]/[BX202 minus BX200 minus BX207a]] hours are paid out?

Instructions for interviewers	When in doubt, an estimate is sufficient. This refers to the average amount of overtime that is compensated for with payments.
Filter question	If there is overtime that is not compensated for by time off ((((BX201>BX200 and BX201<999996 and BX200<999996) or (BX202>BX200 and BX202<999997 and BX200<999996)) and (BX207a≠999996 or (BX207a (only valid values) < ((BX202 minus BX200) or (BX201 minus BX200)))))
Concept	Duration working time, overtime

Tab. 10.1.68 Amount of uncompensated overtime (BX207)

Variable label	Amount of uncompensated overtime
Variable name	BX207
Values	0.0 to 61.5 999995 the rest 999996 all
Additional details	Hours, one decimal place. Validated by follow-up question if the sum of the transitory, paid out, or uncompensated overtime is min. 0.5 hours larger/smaller than the total sum of overtime (BX207c). Programming: value range 0 to [BX201 minus BX200 minus (BX207a plus BX207b)] or [BX202 minus BX200 minus (BX207a plus BX207b)], respectively. The response category 999996 "all" was only offered if no overtime was compensated for by time off or payment (BX207a=0 and BX207b=0).
Question	And how many [if BX207a <999997 and BX207b<999996: of the remaining [BX201 minus BX200 minus (BX207a plus BX207b)]/[BX202 minus BX200 minus (BX207a plus BX207b)]] hours are not compensated for?
Instructions for interviewers	When in doubt, an estimate is sufficient. This refers to the average amount of overtime that is not compensated for.
Filter question	If there is overtime that is not compensated for with time off or payment ((BX201>BX200 and BX201<999996 and BX200<999996) or (BX202>BX200 and BX202<999997 and BX200<999996)) and (BX207a≠999996 or BX207b≠999996 or ((BX207b (only valid values) plus BX207) < ((BX202 minus BX200) or (BX201 minus BX200)))))
Concept	Overtime

Tab. 10.1.69 Main reason for overtime (BX208)

Variable label	Main reason for overtime
Variable name	BX208
Values	1 company requirements, e.g., mandated overtime or longer scheduled working hours 2 work not manageable in the contractually agreed-upon weekly working hours

	3 fun at work 4 other company-specific reasons 5 personal reasons, e.g., additional income
Question	Can you tell me the main reason why your average real weekly working hours are higher than the weekly working hours agreed-upon with your employer?
Filter question	If at least 2 hours overtime/week (((BX201≠996,997,998 and BX201 minus 2>=BX200) or (BX201=996,997,998 and BX202 minus 2>=BX200)) and valid values at BX201 or BX202 and BX200)
Concept	Overtime

Tab. 10.1.70 Preferred weekly working hours (BX209)

Variable label	Preferred weekly working hours
Variable name	BX209
Values	1.0 to 120.0 999996 the same hours as right now
Additional details	Hours per week, one decimal place. Programming: value range 1–120.
Question	If you could choose the length of your working time freely while taking into account that your earnings would change according to your working time: How many hours per week would you most like to work?
Instructions for interviewers	The question refers to the amount of hours per week you actually would want to work.
Concept	Duration working time, working time preferences

Tab. 10.1.71 Reasons for not prolonging working hours (BX209a)

Variable label	Reasons for not prolonging working hours
Variable name	BX209a
Values	1 superior or employer do not allow it 2 work would not be manageable otherwise 3 do not want to jeopardise professional future 4 financial reasons, e.g., pension entitlements 5 other reasons 999996 reduction of working hours is already in sight
Additional details	Original response categories: If BX103=1,2,3,7,8: 1: because your superior or employer do not allow it 2: because the work would not be manageable otherwise 3: because you do not want to jeopardise your professional future 4: for financial reasons, e.g., pension entitlements 5: or because of other reasons 999996: reduction of working hours is already in sight
Question	Can you tell me the main reason why you do not work <u>fewer</u> hours per week? Is it ...

Instructions for interviewers	We are asking the question because you are currently working more than you want to.
Filter question	If actual weekly working hours higher than preferred weekly working hours (((BX201≠996,997,998 and BX201>BX209) or (BX201=996,997,998 and BX202>BX209)) and valid values at BX201 or BX202 and BX209)
Concept	Duration working time, working time preferences

Tab. 10.1.72 Reason for not prolonging working hours (BX209b)

Variable label	Reason for not prolonging working hours
Variable name	BX209b
Values	1 contract situation or employer do not allow it 2 family-related or other personal reasons do not allow it 3 health reasons 4 not worthwhile financially 5 other reasons 999996 increase in working hours is already in sight
Additional details	Original response categories: if BX103=1,2,3,7,8: 1: because your contract situation or employer do not allow it 2: for family-related or other personal reasons 3: for health reasons 4: because it is not worthwhile financially 5: or for other reasons 999996: increase in working hours is already in sight
Question	Can you tell me the main reason why you do not work <u>more</u> hours per week? Is it ...
Instructions for interviewers	We are asking the question because you are currently working less than you want to.
Filter question	If actual weekly working hours less than preferred weekly working hours (((BX201≠996,997,998 and BX201<BX209) or (BX201=996,997,998 and BX202<BX209)) and valid values at BX201 or BX202 and BX209)
Concept	Duration working time, working time preferences

Tab. 10.1.73 Number of working days per week (BX210)

Variable label	Number of working days per week
Variable name	BX210
Values	1.0 to 7.0 999995 implausible value 999996 varies strongly
Additional details	Days per week, one decimal place. Programming: value range 1 to 7. Values larger than 7.0 were coded as an implausible value (999995).
Question	How many days per week do you normally work?
Concept	Duration working time, working days

Tab. 10.1.74 The same number of days every week (BX210a_1)

Variable label	The same number of days every week
Variable name	BX210a_1
Values	1 yes 2 no
Additional details	If BX210=999996, the programming is automatically set to BX210a_1=2
Question	Do you typically work 1: the same number of days each week?
Instructions for interviewers	If target person answers with "irregularly" or "varies strongly", please enter "no" as the answer
Concept	Working time variability
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.75 The same number of hours every day (BX210a_2)

Variable label	The same number of hours every day
Variable name	BX210a_2
Values	1 yes 2 no
Question	Do you typically work 2: the same number of hours every day?
Instructions for interviewers	If target person answers with "irregularly" or "varies strongly", please enter "no" as the answer
Concept	Working time variability
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.76 Roughly the same number of hours every week (BX210a_3)

Variable label	Roughly the same number of hours every week
Variable name	BX210a_3
Values	1 yes 2 no
Additional details	If BX201=999996, the programming is automatically set to BX210a_3=2
Question	Do you typically work 3: roughly the same number of hours every week?
Instructions for interviewers	If target person answers with "irregularly" or "varies strongly", please enter "no" as the response
Concept	Working time variability
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.77 Influence: starting/finishing work (BX211)

Variable label	Influence: starting/finishing work
Variable name	BX211
Values	1 very little influence 2 3 4 5 very strong influence
Question	How much influence do you have on when you start and finish your working day? For your rating, please use a scale of 1 "very little influence" to 5 "very strong influence".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.78 Fixed schedule for starting work (BX212)

Variable label	Fixed schedule for starting work
Variable name	BX212
Values	1 yes 2 no
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): Is the time you start work fixed by your employer? If self-employed/freelance/independent contractor (BX103=4,5,6): Do you have a fixed schedule for starting work?
Concept	Flexibility, fixed schedule for starting/finishing work

Tab. 10.1.79 Fixed schedule for finishing work (BX213)

Variable label	Fixed schedule for finishing work
Variable name	BX213
Values	1 yes 2 no
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): Is the time you finish work fixed by your employer? If self-employed/freelance/independent contractor (BX103=4,5,6): Do you have a fixed schedule for finishing work?
Concept	Flexibility, fixed schedule for starting/finishing work

Tab. 10.1.80 Flexitime (BX215)

Variable label	Flexitime
Variable name	BX215
Values	1 yes 2 no 999996 there are no fixed working time regulations
Question	Do you work a flexible schedule?
Instructions for interviewers	The concept of a flexible schedule is also known as "flexitime" or "flextime".
Concept	Flexibility, flexitime

Tab. 10.1.81 Core hours (BX214)

Variable label	Core hours
Variable name	BX214
Values	1 yes 2 no
Question	Must you – with some exceptions – adhere to working during core hours?
Filter question	If flexitime is not ruled out (BX215=1,999996,999997,999998)
Concept	Working time model

Tab. 10.1.82 Working time normally between 7am and 7pm (BX217)

Variable label	Working time normally between 7am and 7pm
Variable name	BX217
Values	1 yes 2 no
Question	Is your working time normally between 7am and 7pm?
Instructions for interviewers	This means that the working time does not normally start before 7am and finish after 7pm
Concept	Working time model

Tab. 10.1.83 Typical working day: working time starts (time in decimal hours) (BX218)

Variable label	Typical working day: working time starts (time in decimal hours)
Variable name	BX218
Values	0.00 to 24.00 999996 varies strongly/changing
Additional details	... start, decimal hours, two decimal places. Programming: value range 0 to 24.
Question	If you think of a typical working day, what time do you start your work?

Instructions for interviewers	Please make sure to record responses using the 24-hour clock – when in doubt, ask again.
Concept	Working time model

Tab. 10.1.84 Typical working day: working time finishes (time in decimal hours) (BX219)

Variable label	Typical working day: working time finishes (time in decimal hours)
Variable name	BX219
Values	0.00 to 24.00 999996 varies strongly/changing
Additional details	... end of the clock, decimal hours, two decimal places. Programming: value range 0 to 24.
Question	And at what time do you <u>finish</u> working on a typical day?
Instructions for interviewers	Please make sure to record responses using the 24-hour clock – when in doubt, ask again.
Concept	Working time model

Tab. 10.1.85 Short rest periods (BX219a)

Variable label	Short rest periods
Variable name	BX219a
Values	1 yes 2 no
Question	Does it happen – if only occasionally – that less than eleven hours are between you finishing one working day and starting the next working day?
Instructions for interviewers	This also refers to the case that you stop working for personal or business reasons and, for example, continue working in the evening.
Concept	Working time model, rest periods
Source	based on European Working Conditions Surveys 2015 – Eurofound, 2015

Tab. 10.1.86 Frequency short rest periods (BX219b)

Variable label	Frequency short rest periods
Variable name	BX219b
Values	1 to 30 999994 almost every working day 999995 less than once a month 999996 changing, cannot say
Additional details	Programming: value range 1 to 31
Question	How many times per month is that normally the case?
Filter question	If short rest periods exist (BX219a=1)
Concept	Working time model, rest periods

Tab. 10.1.87 Recovery: rested before work (BX219c_1)

Variable label	Recovery: rested before work
Variable name	BX219c_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I will now read you some statements and would ask you to indicate to what extent these statements apply to you. For your rating, please use a scale of 1 to 5. One means that the statement does not apply to you at all and five means that it applies to you perfectly. 1: I normally feel well-rested before work.
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Recovery
Source	based on Intershift Recovery Scale – Winwood et al., 2005, 2006

Tab. 10.1.88 Recovery: often tired from the previous day (BX219c_2)

Variable label	Recovery: often tired from the previous day
Variable name	BX219c_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I will now read you some statements and would ask you to indicate to what extent these statements apply to you. For your rating, please use a scale of 1 to 5. One means that the statement does not apply to you at all and five means that it applies to you perfectly. 2: When I have to start working, I am often still tired from the previous working day.
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Recovery
Source	based on Intershift Recovery Scale – Winwood et al., 2005, 2006

Tab. 10.1.89 Recovery: not enough time between two working days (BX219c_3)

Variable label	Recovery: not enough time between two working days
Variable name	BX219c_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I will now read you some statements and would ask you to indicate to what extent these statements apply to you. For your rating, please use a scale of 1 to 5. One means that the statement does not apply to you at all and five means that it applies to you perfectly. 3: I do not have enough time to fully recover my strength between two working days.
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Recovery
Source	based on Intershift Recovery Scale – Winwood et al., 2005, 2006

Tab. 10.1.90 Recovery: normally recuperated after the weekend/days off (BX219c_4)

Variable label	Recovery: normally recuperated after the weekend/days off
Variable name	BX219c_4
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I will now read you some statements and would ask you to indicate to what extent these statements apply to you. For your rating, please use a scale of 1 to 5. One means that the statement does not apply to you at all and five means that it applies to you perfectly. 4: I normally feel recuperated after the weekend or my days off, respectively.
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Recovery
Source	based on Intershift Recovery Scale – Winwood et al., 2005, 2006

Tab. 10.1.91 Shift work (BX220)

Variable label	Shift work
Variable name	BX220
Values	1 yes 2 no
Question	Do you work in shifts?
Instructions for interviewers	Select "yes" also for permanent night workers
Filter question	If working time is not normally between 7am and 7pm (BX217=2,999997,999998)
Concept	Working time model, shift work

Tab. 10.1.92 Shift work_hours (BX221)

Variable label	Shift work_hours
Variable name	BX221
Values	1 early shift only 2 late shift only 3 night shift only 4 alternating shifts 5 other
Additional details	Response category 5 was not read out.
Question	What shifts do you work in your occupation as [Tätigkeit_T2]?
Filter question	If shift work (BX220=1)
Concept	Working time model, shift work

Tab. 10.1.93 Alternating shift_hours (BX224)

Variable label	Alternating shift_hours
Variable name	BX224
Values	1 early and late shift 2 early and night shift 3 late and night shift 4 early, late, and night shift 5 day and night shift (12-hours shifts) 6 other
Question	What shifts are these?
Instructions for interviewers	Read out responses only if required
Filter question	When alternating shift (BX221=4)
Concept	Working time model, shift work

Tab. 10.1.94 Alternating shift_rotation type (BX225)

Variable label	Alternating shift_rotation type
Variable name	BX225
Values	1 rotation type early, late, night shift/forwards-rotating 2 rotation type night, late, early shift/backwards-rotating 3 irregular
Question	Is the pattern of your shifts forwards-rotating, i.e., in the direction from early to late followed by the night shifts, or is it backwards-rotating, i.e., the other way around, or is the pattern alternating or irregular?
Filter question	If three shifts (BX224=4)
Concept	Working time model, shift work

Tab. 10.1.95 Shift work number of years_coarsened (BX226_anzj_vgr)

Variable label	Shift work number of years_coarsened
Variable name	BX226_anzj_vgr
Values	0 to 44 999995 over 45 years
Additional details	Generated (from year BX226/PRE_Schicht and interview date). For panel cases with valid information on the beginning of shift work from the previous wave, the start date was taken over in this variable without checking it again. **Topcoding:** (46 THRU 150 = 999995) Validated by follow-up question if target person is very young (BX226 – year age from (S2) ≤14) based on this information.
Question	BX226: Since when have you been working in shifts? Please tell me the year.
Filter question	If shift work (BX220=1)
Concept	Working time model, shift work

Tab. 10.1.96 Night work number of years_coarsened (BX227_anzj_vgr)

Variable label	Night work number of years_coarsened
Variable name	BX227_anzj_vgr
Values	0 to 44 999995 over 45 years
Additional details	Generated (from year BX227/PRE_Nacht) and interview date. For panel cases with valid information on the beginning of night shift work from the previous wave, the start date was taken over in this variable without checking it again. **Topcoding:** (46 THRU 150 = 999995)

	Validated by follow-up question if target person is very young (BX227 – year age from (S2) <18) based on this information.
Question	BX227: Since when have you been working night shifts? Please tell me the year.
Filter question	If working night shifts (BX221=3 or BX224=2,3,4,5)
Concept	Working time model, shift work

Tab. 10.1.97 Number of night shifts per month (BX228)

Variable label	Number of night shifts per month
Variable name	BX228
Values	1 to 30 999995 less than once a month 999996 it changes, I cannot say
Additional details	Programming: value range 1 to 31
Question	How many night shifts do you work per month on average?
Filter question	If working night shifts (BX221=3 or BX224=2,3,4,5)
Concept	Working time model, shift work

Tab. 10.1.98 Number of consecutive night shifts (BX229)

Variable label	Number of consecutive night shifts
Variable name	BX229
Values	1 to 31 999994 almost every working day 999995 less than once a month 999996 it varies, cannot say
Additional details	Programming: value range 1 to 31
Question	How many consecutive night shifts do you normally work?
Instructions for interviewers	If only individual night shifts are worked, enter "1"
Filter question	If working night shifts (BX221=3 or BX224=2,3,4,5)
Concept	Working time model, shift work

Tab. 10.1.99 Saturday work (BX230)

Variable label	Saturday work
Variable name	BX230
Values	1 yes 2 no
Question	Do you work – if only occasionally – on Saturdays?
Concept	Working time model, Saturday work

Tab. 10.1.100 Saturday work _frequency per month (BX231)

Variable label	Saturday work _frequency per month
Variable name	BX231
Values	0 to 5 999994 every Saturday 999995 less than once a month 999996 it varies, cannot say
Additional details	Programming: value range 0 to 5
Question	On average, how many Saturdays do you work per month?
Filter question	If Saturday work (BX230=1)
Concept	Working time model, Saturday work

Tab. 10.1.101 Working on Sundays and public holidays (BX232)

Variable label	Working on Sundays and public holidays
Variable name	BX232
Values	1 yes 2 no
Question	Do you work – if only occasionally – on Sundays and public holidays?
Concept	Working time model, working on Sundays and public holidays

Tab. 10.1.102 Working on Sundays and public holidays_frequency per month (BX233)

Variable label	Working on Sundays and public holidays_frequency per month
Variable name	BX233
Values	0 to 6 999994 every Sunday and public holiday 999995 less than once a month 999996 it varies, cannot say
Additional details	Programming: value range 0 to 6
Question	On average, how many Sundays and public holidays do you work per month?
Filter question	If working on Sundays and public holidays (BX232=1)
Concept	Working time model, working on Sundays and public holidays

Tab. 10.1.103 Emergency-response duty (BX234_1)

Variable label	Emergency-response duty
Variable name	BX234_1
Values	0 not stated 1 stated

Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 1: yes, emergency-response duty
Instructions for interviewers	<u>Emergency-response duty</u> means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. <u>On-call duty</u> means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing <u>on-demand duty</u>, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.104 On-call duty (BX234_2)

Variable label	On-call duty
Variable name	BX234_2
Values	0 not stated 1 stated
Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 2: yes, on-call duty
Instructions for interviewers	<u>Emergency-response duty</u> means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. <u>On-call duty</u> means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing <u>on-demand duty</u>, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.105 On-demand duty (BX234_3)

Variable label	On-demand duty
Variable name	BX234_3
Values	0 not stated 1 stated
Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 3: yes, on-demand duty
Instructions for interviewers	<u>Emergency-response duty</u> means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. <u>On-call duty</u> means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing <u>on-demand duty</u>, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.106 No emergency-response duty, on-call duty, or on-demand duty (BX234_4)

Variable label	No emergency-response duty, on-call duty, or on-demand duty
Variable name	BX234_4
Values	0 not stated 1 stated
Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 4: no

Instructions for interviewers	Emergency-response duty means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. On-call duty means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing on-demand duty, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.107 BX234_refused (BX234_7)

Variable label	BX234_refused
Variable name	BX234_7
Values	0 not stated 1 stated
Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 999997: refused
Instructions for interviewers	Emergency-response duty means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. On-call duty means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing on-demand duty, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.108 BX234_do not know (BX234_8)

Variable label	BX234_do not know
Variable name	BX234_8
Values	0 not stated 1 stated

Question	Does your work involve performing emergency-response duty, on-call duty, or on-demand duty? 999998: do not know
Instructions for interviewers	<u>Emergency-response duty</u> means that the employer determines the employee's location, who must be ready to work immediately or promptly, if required. <u>On-call duty</u> means there is work only in exceptional cases. The employee must be ready to start working as soon as possible but can choose his location freely within this framework. When performing <u>on-demand duty</u>, there is a contractual agreement between the employee and the employer that the working time model (starting and/or finishing work) is subject to demand on the day (or week or month). Record everything that applies to the target person. Only use the buttons "refused/do not know" if the target person is not able or willing to answer the entire question.
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.109 Emergency-response duty_frequency per month (BX235)

Variable label	Emergency-response duty_frequency per month
Variable name	BX235
Values	1 to 31 999995 every day 999996 few times per year
Additional details	Days per month. Programming: value range 1–31.
Question	On average, how many days per month do you perform emergency-response duty?
Filter question	If emergency-response duty (BX234_1=1)
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.110 On-call duty_frequency per month (BX236)

Variable label	On-call duty_frequency per month
Variable name	BX236
Values	1 to 31 999995 every day 999996 few times per year
Additional details	Days per month. Programming: value range 1–31.
Question	On average, how many days per month do you perform on-call duty?
Filter question	If on-call duty (BX234_2=1)
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.111 Call-ins during on-call duty_frequency per month (BX237)

Variable label	Call-ins during on-call duty_frequency per month
Variable name	BX237
Values	1 to 30 999995 every day 999996 few times per year
Additional details	Days per month. Programming: value range 1–31.
Question	On how many days per month, when you have on-call duty, are you called in?
Filter question	If on-call duty (BX234_2=1)
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.112 On-demand duty_frequency per month (BX238)

Variable label	On-demand duty_frequency per month
Variable name	BX238
Values	1 to 31 999995 every day 999996 few times per year
Additional details	Days per month. Programming: value range 1–31.
Question	On average, how many days per month do you perform on-demand duty?
Filter question	If on-demand duty (BX234_3=1)
Concept	Working time model, emergency-response and on-call duties

Tab. 10.1.113 Mandatory breaks/interruptions of more than 2 hours (BX239)

Variable label	Mandatory breaks/interruptions of more than 2 hours
Variable name	BX239
Values	1 yes, one 2 yes, several 3 no
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): On a normal working day, do you have one or several breaks mandated by your employer or interruptions of more than 2 hours? If self-employed/freelance/independent contractor (BX103=4,5,6): On a normal working day, do you have one or several breaks or interruptions of more than 2 hours?

Instructions for interviewers	If required: For instance, do you have a lunch break of more than 2 hours because the company you work for closes from 12pm to 3pm? This refers to 2 hours per break, not 2 hours in total. Do not read out responses.
Concept	Working time model, breaks/interruptions

Tab. 10.1.114 Commute_average duration per day in minutes (BX240)

Variable label	Commute_average duration per day in minutes
Variable name	BX240
Values	1 to 630 999995 different/changing work locations 999996 no commute, always work from home
Additional details	Minutes per day. Programming: value range 1 to 900.
Question	How many minutes in total does it take you on a typical working day to get to work and back?
Concept	Mobility, commute

Tab. 10.1.115 Commute_strain (BX240a)

Variable label	Commute_strain
Variable name	BX240a
Values	1 yes 2 no
Question	Does this strain you?
Instructions for interviewers	If the answer is "sometimes", please enter "yes"
Filter question	If commute is at least 60 minutes (59<BX240<999995)
Concept	Mobility, commute

Tab. 10.1.116 Commute_work-related tasks (BX240b)

Variable label	Commute_work-related tasks
Variable name	BX240b
Values	1 often 2 sometimes 3 seldom 4 never
Question	How frequently do you perform work-related tasks during your daily commute or on your way home? Is it often, sometimes, seldom, or never?
Filter question	If not working exclusively from home (BX240≠0,996)
Concept	Mobility, off-site work

Tab. 10.1.117 Weekly commuters (BX240c)

Variable label	Weekly commuters
Variable name	BX240c
Values	1 yes 2 no
Question	Are you a weekly commuter, meaning you spend your days off in another place than your working days?
Concept	Mobility, off-site work

Tab. 10.1.118 Work location: predominantly on-site (BX240d_1)

Variable label	Work location: predominantly on-site
Variable name	BX240d_1
Values	1 yes 2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment. Do the following statements apply to you? 1. You work at a physical location most of the time, for example, an office or production site.
Instructions for interviewers	Even when going on occasional business trips or working from home, select "yes".
Concept	Mobility, off-site work

Tab. 10.1.119 Work location: different every week or month (BX240d_2)

Variable label	Work location: different every week or month
Variable name	BX240d_2
Values	1 yes 2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment. Do the following statements apply to you? 2: You work at different job sites every week or month, for instance, in assembly or construction.
Instructions for interviewers	e.g., assembly fitters or consultants, who work off-site with a customer on a weekly or monthly basis.
Concept	Mobility, off-site work

Tab. 10.1.120 Work location: different during one week (BX240d_3)

Variable label	Work location: different during one week
Variable name	BX240d_3

Values	1 yes
	2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment.
	Do the following statements apply to you?
	3: You work at different job sites <u>during one week</u>, for instance, because you work at different customers during one week.
Instructions for interviewers	e.g., gardeners who work at different customers during one week.
Concept	Mobility, off-site work

Tab. 10.1.121 Work location: different daily (BX240d_4)

Variable label	Work location: different daily
Variable name	BX240d_4
Values	1 yes
	2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment.
	Do the following statements apply to you?
	4: You work at different job sites <u>during one day</u>, for instance, because you visit different customers over the course of one day.
Instructions for interviewers	e.g., care workers in home healthcare service
Concept	Mobility, off-site work

Tab. 10.1.122 Work location: not bound to a certain place (BX240d_5)

Variable label	Work location: not bound to a certain place
Variable name	BX240d_5
Values	1 yes
	2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment.
	Do the following statements apply to you?
	5: You are not bound to a certain place by your work.
Instructions for interviewers	e.g., if your work can be performed from all kinds of places using a laptop
Concept	Mobility, off-site work

Tab. 10.1.123 Work location: mobile workplace (BX240d_6)

Variable label	Work location: mobile workplace
Variable name	BX240d_6
Values	1 yes 2 no
Question	Workplaces can vary strongly. I will now read you some statements and would ask you to indicate what applies to your [if several employments (BX_E1=2 or E1=2) and BX_EST≠9: main] employment. Do the following statements apply to you? 6: Your workplace itself is mobile, for instance, because you transport people or goods.
Instructions for interviewers	e.g., bus drivers, mail carrier, train attendants, truck driver
Concept	Mobility, off-site work

Tab. 10.1.124 Work location: best description (BX240e)

Variable label	Work location: best description
Variable name	BX240e
Values	1 predominantly on-site 2 at different job sites every week or month 3 at different job sites during one week 4 at different job sites in the course of one day 5 not bound to a certain place 6 workplace itself is mobile
Additional details	Only response options that were answered with yes in question BX240d were displayed.
Question	And which of the just-mentioned statements describes your workplace best?
Filter question	If more than one item of BX240d was answered with "yes"
Concept	Mobility, off-site work

Tab. 10.1.125 Business trips_number per month (BX240f)

Variable label	Business trips_number per month
Variable name	BX240f
Values	0 to 90 999995 varies strongly 999996 less than once a month
Additional details	Programming: value range 0–100
Question	Some occupations also involve going on business trips. What about you? How many business trips do you usually go on per month?
Concept	Mobility, off-site work

Tab. 10.1.126 Business trips_number of overnight stays per month (BX240g)

Variable label	Business trips_number of overnight stays per month
Variable name	BX240g
Values	0 to 30 999995 varies strongly 999996 less than once a month
Additional details	Programming: value range 0–31
Question	How many overnight stays do you have per month due to your work?
Instructions for interviewers	This does not refer to the secondary residence at your work location ("weekly commuters").
Concept	Mobility, off-site work

Tab. 10.1.127 Telework/working from home agreement (BX241)

Variable label	Telework/working from home agreement
Variable name	BX241
Values	1 yes 2 no
Question	Do you have a telework or working from home agreement with your employer?
Instructions for interviewers	If the company does not have telework or working from home, please enter no
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Off-site work, telework/working from home

Tab. 10.1.128 Telework/working from home_frequency per week (BX242)

Variable label	Telework/working from home_frequency per week
Variable name	BX242
Values	0.0 to 7.0 999996 less than 0.5 days per week
Additional details	Days per week, one decimal place. Programming: value range 0 to 7.
Question	On average, how many days per week do you make use of this?
Instructions for interviewers	If required: If a person states that they work from home one day every other week, please enter the response 0.5, when in doubt, an estimate based on a working week is sufficient
Filter question	If telework/working from home was agreed on (BX241=1)
Concept	Off-site work, telework/working from home

Tab. 10.1.129 No telework/working from home_main reason (BX241a)

Variable label	No telework/working from home_main reason
Variable name	BX241a

Values	1 job does not allow it 2 employer does not allow it 3 no
Additional details	Original response categories: 1: yes, but my job does not allow it 2: yes, but my employer does not allow it 3: no
Question	Would you like to work from home or work remotely?
Instructions for interviewers	If respondents waver between 1 and 2, enter 1.
Filter question	If no telework/working from home was agreed on (BX241=2). Question was included only after the pretest.
Concept	Off-site work, telework/working from home

Tab. 10.1.130 Working from home (BX241b)

Variable label	Working from home
Variable name	BX241b
Values	1 often 2 sometimes 3 seldom 4 never
Question	If telework/working from home was agreed on (BX241=1): How often does your [if several employments ((BX_E1=2 or E1=2) and BX_EST=6,7): main] employment require that you carry out work-related tasks from home that go beyond your telework or working from home agreement? Is it often, sometimes, seldom, or never? If no telework/working from home was agreed on (BX241=2,999997,999998): How often does your [if several employments ((BX_E1=2 or E1=2) and BX_EST=6,7): main] employment require that you [if not official telework/working from home (BX241a≠999996): nevertheless] carry out work-related tasks from home? Is it often, sometimes, seldom, or never? If self-employed/freelance/independent contractor (BX103=4,5,6): How often do you carry out work-related tasks [if several employments ((BX_E1=2 or E1=2) and BX_EST=6,7): as part of your main employment] from home? Is it often, sometimes, seldom, or never? [Plus, when emergency-response duty, on-call duty, on-demand duty (BX234=1,2,3): This does not include calls and the performance of work-related tasks as part of work during emergency-response duty, on-call duty, or on-demand duty.]
Concept	Off-site work, working from home

Tab. 10.1.131 Working from home_strain (BX241c)

Variable label	Working from home_strain
Variable name	BX241c
Values	1 yes 2 no
Question	Does this strain you?
Instructions for interviewers	If response is "sometimes", please enter "yes".
Filter question	When working from home is required often (BX241b=1)
Concept	Off-site work, working from home

Tab. 10.1.132 Influence: break (BX243_1)

Variable label	Influence: break
Variable name	BX243_1
Values	1 very little influence 2 3 4 5 very strong influence
Question	The following questions relate to general aspects of the working time in your occupation as [Tätigkeit_T2]. 1: How much influence do you have on when you take a break? For your rating, please use a scale of 1 "very little influence" to 5 "very strong influence".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, autonomy in terms of hours

Tab. 10.1.133 Influence: taking a few hours off (BX243_2)

Variable label	Influence: taking a few hours off
Variable name	BX243_2
Values	1 very little influence 2 3 4 5 very strong influence
Question	The following questions relate to general aspects of the working time in your occupation as [Tätigkeit_T2]. 2: How much influence do you have on when to take a few hours off? For your rating, please use a scale of 1 "very little influence" to 5 "very strong influence".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.

Concept	Flexibility, autonomy in terms of hours
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.134 Influence: taking time off/taking a few days off (BX243_3)

Variable label	Influence: taking time off/taking a few days off
Variable name	BX243_3
Values	1 very little influence 2 3 4 5 very strong influence
Question	The following questions relate to general aspects of the working time in your occupation as [Tätigkeit_T2]. 3: How much influence do you have on when to take time off or take a few days off? For your rating, please use a scale of 1 "very little influence" to 5 "very strong influence".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, autonomy in terms of hours
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.135 Importance_reliable working hours (BX244_1)

Variable label	Importance_reliable working hours
Variable name	BX244_1
Values	1 not important 2 3 4 5 very important
Question	And how important are the following aspects of your work to you personally? For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 1: to have reliable working hours?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, importance flexibility

Tab. 10.1.136 Importance_influence: starting/finishing work (BX244_2)

Variable label	Importance_influence: starting/finishing work
Variable name	BX244_2
Values	1 not important

	2
	3
	4
	5 very important
Question	And how important are the following aspects of your work to you personally? For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 2: to have an influence on when you start or finish your working day?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, importance flexibility
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.137 Importance_influence: break (BX244_3)

Variable label	Importance_influence: break
Variable name	BX244_3
Values	1 not important
	2
	3
	4
	5 very important
Question	And how important are the following aspects of your work to you personally? For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 3: to have an influence on when you take a break?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, importance flexibility

Tab. 10.1.138 Importance_influence: taking a few hours off (BX244_4)

Variable label	Importance_influence: taking a few hours off
Variable name	BX244_4
Values	1 not important
	2
	3
	4
	5 very important

Question	And how important are the following aspects of your work to you personally? For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 4: to have an influence on when you take a few hours off?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, importance flexibility
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.139 Importance_influence: taking time off/taking a few days off (BX244_5)

Variable label	Importance_influence: taking time off/taking a few days off
Variable name	BX244_5
Values	1 not important 2 3 4 5 very important
Question	And how important are the following aspects of your work to you personally? For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 5: to have an influence on when you can take time off or take a few days off?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Flexibility, importance flexibility
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.140 Changes in working hours_frequency (BX300)

Variable label	Changes in working hours_frequency
Variable name	BX300
Values	1 often 2 sometimes 3 seldom 4 hardly ever
Question	How often do your working hours change due to operational requirements – hardly ever, seldom, sometimes, or often?
Concept	Variability, changes in working time

Tab. 10.1.141 Changes in working hours_strain (BX301)

Variable label	Changes in working hours_strain
Variable name	BX301
Values	1 yes 2 no
Question	Does this strain you?
Instructions for interviewers	Do not read out response categories. If the response is "sometimes", please enter "yes".
Filter question	If frequent changes to working hours (BX300=1)
Concept	Variability, changes in working time

Tab. 10.1.142 Changes in working hours_notification (BX302)

Variable label	Changes in working hours_notification
Variable name	BX302
Values	1 on the same day 2 on the previous day 4 up to one week in advance 5 up to two weeks in advance 6 more than two weeks in advance 7 it differs
Question	How far in advance are you typically informed about changes in your working hours?
Instructions for interviewers	Do not read out response categories
Filter question	If frequent changes to working hours (BX300=1)
Concept	Variability, changes in working time

Tab. 10.1.143 Consideration of personal matters when planning working hours (BX307)

Variable label	Consideration of personal matters when planning working hours
Variable name	BX307
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	We will now turn to some questions on balancing professional and personal demands and interests. I will now read out a few statements and would like to ask you to indicate for each one to what extent the statement applies to you and your situation. For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". I manage to consider interests relating to my family and personal life when planning my working hours.

Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Work and personal life, working time management

Tab. 10.1.144 Recovery experience: detachment: forgetting about work (BX308_1)

Variable label	Recovery experience: detachment: forgetting about work
Variable name	BX308_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I forget about work in my free time.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, recovery experience
Source	based on Recovery Experience Questionnaire – Sonnentag and Fritz, 2007

Tab. 10.1.145 Recovery experience: relaxation (BX308_2)

Variable label	Recovery experience: relaxation
Variable name	BX308_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I do relaxing things in my free time.
Instructions for interviewers	Read out response categories if required
Concept	Recovery
Source	based on Recovery Experience Questionnaire – Sonnentag and Fritz, 2007

Tab. 10.1.146 Recovery experience: challenge/mastery (BX308_3)

Variable label	Recovery experience: challenge/mastery
Variable name	BX308_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I do things that challenge me in my free time.
Instructions for interviewers	Read out response categories if required

Concept	Recovery
Source	based on Recovery Experience Questionnaire – Sonnentag and Fritz, 2007

Tab. 10.1.147 Recovery experience: control (BX308_4)

Variable label	Recovery experience: control
Variable name	BX308_4
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I feel that I can decide for myself what I do in my free time.
Instructions for interviewers	Read out response categories if required
Concept	Recovery
Source	based on Recovery Experience Questionnaire – Sonnentag and Fritz, 2007

Tab. 10.1.148 WFC: thinking about work problems after finishing work (BX309_1)

Variable label	WFC: thinking about work problems after finishing work
Variable name	BX309_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I often think about work problems after finishing work.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.149 WFC: thinking about upcoming things at work after finishing work (BX309_2)

Variable label	WFC: thinking about upcoming things at work after finishing work
Variable name	BX309_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly

Question	I often think about things I have to deal with at work after finishing work.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.150 WFC: thinking about planning next work steps after finishing work (BX309_3)

Variable label	WFC: thinking about planning next work steps after finishing work
Variable name	BX309_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I often try to arrange, schedule or perform work-related activities after finishing work.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.151 FWC: thinking about problems in personal life during working time (BX309_4)

Variable label	FWC: thinking about problems in personal life during working time
Variable name	BX309_4
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	When I am at work, I often think about problems in my personal life.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.152 FWC: thinking about upcoming things in personal life during working time (BX309_5)

Variable label	FWC: thinking about upcoming things in personal life during working time
Variable name	BX309_5
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	When I am at work, I often think about things I have to deal with in my personal life.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.153 FWC: thinking about planning next steps in personal life during working time (BX309_6)

Variable label	FWC: thinking about planning next steps in personal life during working time
Variable name	BX309_6
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	When I am at work, I often try to arrange, schedule, and perform personal activities.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, work-family conflict
Source	based on Psychological Work-Family Conflict – van Steenbergen et al., 2007, adapted from Carlson and Frone, 2003

Tab. 10.1.154 Importance: not thinking about work in personal life (BX309_7)

Variable label	Importance: not thinking about work in personal life
Variable name	BX309_7
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly

Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 7: It is important for me to not have to think about work in my free time.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.155 Possibility: not thinking about work in personal life (BX309_7a)

Variable label	Possibility: not thinking about work in personal life
Variable name	BX309_7a
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 7a: Not thinking about work during my time off is possible in my job.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.156 Importance: Separation of work and personal life (BX309_8)

Variable label	Importance: Separation of work and personal life
Variable name	BX309_8
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 8: It is important to me to separate work and personal life.

Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.157 Possibility: Separation of work and personal life (BX309_8a)

Variable label	Possibility: Separation of work and personal life
Variable name	BX309_8a
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 8a: Separating work and personal life is possible in my job.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.158 Importance: keeping work out of my personal life (BX309_9)

Variable label	Importance: keeping work out of my personal life
Variable name	BX309_9
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 9: It is important to me to keep work-related issues out of my personal life.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.159 Possibility: keeping work out of my personal life (BX309_9a)

Variable label	Possibility: keeping work out of my personal life
Variable name	BX309_9a
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	The following statements deal with how important the separation of work and personal life is to you and to what extent it is possible in your job. For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". 9a: Keeping work-related issues out of my personal life is possible in my job.
Instructions for interviewers	Read out response categories if required
Concept	Work and personal life, segmentation preference
Source	based on Kreiner, 2006, from Peters et al., 2014

Tab. 10.1.160 Expectation of availability for work-related issues (BX310)

Variable label	Expectation of availability for work-related issues
Variable name	BX310
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	In my work environment, it is expected of me that I am available for work-related issues in my personal life [if emergency-response duty, on-call duty, on-demand duty (BX234=1,2,3):, excluded from this is paid on-call duty].
Concept	Work and personal life, availability

Tab. 10.1.161 Necessity of availability for work-related issues (BX311_1)

Variable label	Necessity of availability for work-related issues
Variable name	BX311_1
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often do you think it is <u>necessary</u> to be available for work-related matters in your free time? Is it often, sometimes, seldom, or never?
Instructions for interviewers	When reading out, please emphasise necessary, reasonable, and actually.
Concept	Work and personal life, availability

Tab. 10.1.162 Reasonableness of availability for work-related issues (BX311_2)

Variable label	Reasonableness of availability for work-related issues
Variable name	BX311_2
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often do you personally think it is <u>reasonable</u> to be available for work-related matters in your free time?
Instructions for interviewers	When reading out, please emphasise necessary, reasonable, and actually.
Concept	Work and personal life, availability

Tab. 10.1.163 Actual availability for work-related issues (BX311_3)

Variable label	Actual availability for work-related issues
Variable name	BX311_3
Values	1 often 2 sometimes 3 seldom 4 never
Question	And how often are you <u>actually</u> available for work-related issues in your free time?
Instructions for interviewers	When reading out, please emphasise necessary, reasonable, and actually.
Concept	Work and personal life, availability

Tab. 10.1.164 Being contacted at home about work-related issues (BX312_1)

Variable label	Being contacted at home about work-related issues
Variable name	BX312_1

Values	1 often 2 sometimes 3 seldom 4 never
Question	How often are you contacted at home by staff, colleagues, superiors, or customers [if emergency-response duty, on-call duty, on-demand duty (BX234=1,2,3):, excluded from this is paid on-call duty]?
Concept	Work and personal life, availability

Tab. 10.1.165 Being contacted at work about personal issues (BX312_2)

Variable label	Being contacted at work about personal issues
Variable name	BX312_2
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often are you contacted in your workplace by family, friends, and other persons for non-work-related reasons?
Concept	Work and personal life, availability

Tab. 10.1.166 Strong deadline or performance pressure (BX400_3)

Variable label	Strong deadline or performance pressure
Variable name	BX400_3
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your work that ... you have to work under strong deadline or performance pressure?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands

Tab. 10.1.167 Working very quickly (BX402)

Variable label	Working very quickly
Variable name	BX402
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that you have to work very quickly?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands

Tab. 10.1.168 Hiding emotions (BX404_3)

Variable label	Hiding emotions
Variable name	BX404_3
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that you have to hide your emotions?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands
Source	based on Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005 and European Working Conditions Survey 2010 – Eurofound, 2010

Tab. 10.1.169 Confronting other people's problems (BX404_4)

Variable label	Confronting other people's problems
Variable name	BX404_4
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that you are confronted with other people's problems or distress?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands
Source	based on Fuchs, 2004

Tab. 10.1.170 Simultaneous performance of work processes (BX404_5)

Variable label	Simultaneous performance of work processes
Variable name	BX404_5
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that you have to keep an eye on different work processes or sequences at the same time?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands

Tab. 10.1.171 Interruption by colleagues (BX404_6)

Variable label	Interruption by colleagues
Variable name	BX404_6
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen in your workplace that your work is disturbed or interrupted, e.g., by colleagues, poor materials, machine malfunctions or phone calls?
Instructions for interviewers	Read out response categories if required
Concept	Working conditions, psychological demands

Tab. 10.1.172 Office (BX405)

Variable label	Office
Variable name	BX405
Values	1 yes 2 no
Question	Do you mainly work in an office?
Concept	Working conditions, workplace

Tab. 10.1.173 No breaks on working days longer than at least six hours (BX407)

Variable label	No breaks on working days longer than at least six hours
Variable name	BX407
Values	1 yes 2 no 999996 no working days with more than 6 hours

Question	Does it happen often that work breaks are skipped on working days that are longer than 6 hours? This refers to breaks of over 15 minutes.
Filter question	If target person is at least 18 years old
Concept	Working conditions, breaks

Tab. 10.1.174 No breaks at work (less than 18 years old) (BX408)

Variable label	No breaks at work (less than 18 years old)
Variable name	BX408
Values	1 yes 2 no
Question	Does it happen frequently that breaks are skipped on working days? This refers to breaks of over 15 minutes.
Filter question	If target person is younger than 18 years old
Concept	Working conditions, breaks

Tab. 10.1.175 Interruption/shortening of breaks (BX407a)

Variable label	Interruption/shortening of breaks
Variable name	BX407a
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you have to interrupt or shorten your breaks? Is it often, sometimes, seldom, or never?
Instructions for interviewers	This refers to breaks of over 15 minutes.
Concept	Working conditions, breaks

Tab. 10.1.176 Lunch/food break_duration in minutes (BX407b)

Variable label	Lunch/food break_duration in minutes
Variable name	BX407b
Values	0 to 450 999996 varies strongly
Additional details	Programming: value range 0–600
Question	How long are your lunch or food breaks normally?
Instructions for interviewers	If there are several breaks of equal length (e.g., breakfast and lunch), please add up the hours.
Concept	Working conditions, breaks

Tab. 10.1.177 Other breaks_duration in minutes (BX407c)

Variable label	Other breaks_duration in minutes
Variable name	BX407c
Values	0 to 500 999996 varies strongly
Additional details	Programming: value range 0–600
Question	If you add up all other breaks [if food breaks of over 0 minutes (BX407b>0 and BX407b<999997): beyond that], e.g., coffee breaks or personal conversations with colleagues: Approximately how many minutes per day do you get?
Concept	Working conditions, breaks

Tab. 10.1.178 Feel part of a community in the workplace (BX416_1)

Variable label	Feel part of a community in the workplace
Variable name	BX416_1
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How often does it happen that you feel as a part of a community in your workplace? Is it often, sometimes, seldom, or never?
Concept	Working conditions, social support
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.179 Work well with colleagues (BX416_2)

Variable label	Work well with colleagues
Variable name	BX416_2
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How frequently do you feel you work well together with your colleagues?
Concept	Working conditions, social support
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.180 Support from colleagues (BX416_3)

Variable label	Support from colleagues
Variable name	BX416_3
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How often do you get help and support for your work from your colleagues when you need it?
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Working conditions, social support
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.181 Support from superiors (BX416_5)

Variable label	Support from superiors
Variable name	BX416_5
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How often do you get help and support from your direct superior?
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Working conditions, social support
Source	based on BIBB/BAuA Employment Survey 2012 – Rohrbach-Schmidt and Hall, 2013, and Copenhagen Psychosocial Questionnaire (COPSOQ) – Nübling et al., 2005

Tab. 10.1.182 Superior gives chance to participate (BX416_6)

Variable label	Superior gives chance to participate
Variable name	BX416_6
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How often does your direct superior give you the chance to participate in shaping and improving your work?
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Working conditions, social support

Tab. 10.1.183 Inconsiderate treatment by superior (BX416_7)

Variable label	Inconsiderate treatment by superior
Variable name	BX416_7
Values	1 often 2 sometimes 3 seldom 4 never 999996 does not apply
Question	How often do you get treated inconsiderately by your direct superior?
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Working conditions, social support

Tab. 10.1.184 Satisfaction: working time (BX501_1)

Variable label	Satisfaction: working time
Variable name	BX501_1
Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	I will now go into different aspects of your work. Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied with these aspects of your occupation as [Tätigkeit_T2]. 1: How satisfied are you with your current working time?
Concept	Satisfaction, work satisfaction

Tab. 10.1.185 Satisfaction: type/content of occupation (BX501_2)

Variable label	Satisfaction: type/content of occupation
Variable name	BX501_2

Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	I will now go into different aspects of your work. Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied with these aspects of your occupation as [Tätigkeit_T2]. 2: How satisfied are you with the type and content of your occupation?
Concept	Satisfaction, work satisfaction

Tab. 10.1.186 Satisfaction: superior (BX501_3)

Variable label	Satisfaction: superior
Variable name	BX501_3
Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	I will now go into different aspects of your work. Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied with these aspects of your occupation as [Tätigkeit_T2]. 3: How satisfied are you with your direct superior?
Filter question	If dependent employee (BX103=1,2,3,7,8,999997,999998)
Concept	Satisfaction, work satisfaction

Tab. 10.1.187 Satisfaction: work overall (BX501_4)

Variable label	Satisfaction: work overall
Variable name	BX501_4
Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	I will now go into different aspects of your work. Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied with these aspects of your occupation as [Tätigkeit_T2]. 4: And how satisfied are you with your work overall?
Concept	Satisfaction, work satisfaction

Tab. 10.1.188 Satisfaction: balance work and personal life (BX501_5)

Variable label	Satisfaction: balance work and personal life
Variable name	BX501_5
Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	I will now go into different aspects of your work. Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied with these aspects of your occupation as [Tätigkeit_T2]. 5: How satisfied are you with the balance between your work and your personal life?
Concept	Satisfaction, work satisfaction
Source	based on Satisfaction with Work–Family Balance – Valcour, 2007

Tab. 10.1.189 Demands due to amount of work or workload (BX502)

Variable label	Demands due to amount of work or workload
Variable name	BX502
Values	1 able to cope 2 more over-challenged 3 more under-challenged
Question	With the demands of your job regarding amount of work or workload, do you feel you are ...
Concept	Psychological demands, work intensity

Tab. 10.1.190 General state of health (BX504)

Variable label	General state of health
Variable name	BX504
Values	1 very good 2 3 4 5 very bad
Question	How would you describe your general state of health? For your rating, please use a scale of 1 "very good" to 5 "very bad"
Instructions for interviewers	Read out answers if required
Concept	Health

Tab. 10.1.191 Sleep quality (BX504a)

Variable label	Sleep quality
Variable name	BX504a
Values	1 very good 2 3 4 5 very bad
Question	How would you rate your sleep during the past week?
Concept	Health, sleep quality
Source	based on Pittsburgh Sleep Quality Index – Buysse et al., 1989

Tab. 10.1.192 Fatigue (BX504b)

Variable label	Fatigue
Variable name	BX504b
Values	1 not fatigued at all 2 3 4 5 very fatigued
Question	And how fatigued do you currently feel? For your rating, please use a scale of 1 "not fatigued at all" to 5 "very fatigued".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Health, fatigue
Source	based on Fatigue – Van Hooff et al., 2007

Tab. 10.1.193 Assessment of one's work ability (BX505)

Variable label	Assessment of one's work ability
Variable name	BX505
Values	0 unable to work 1 2 3 4 5 6 7 8 9 10 best work ability
Question	If you rate your work ability at its very best with 10 points: How many points would you give your current work ability? 0 means that you are currently unable to work.

Instructions for interviewers	If required: "Work ability" refers to your capacity to do your job well
Concept	Health, work ability
Source	based on Work Ability Index – Tuomi et al., 1998, Hasselhorn and Freude, 2007

Tab. 10.1.194 Back pain, lower back pain (BX506_1)

Variable label	Back pain, lower back pain
Variable name	BX506_1
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 1: back pain, lower back pain
Concept	Health, health complaints

Tab. 10.1.195 Neck and shoulder pain (BX506_2)

Variable label	Neck and shoulder pain
Variable name	BX506_2
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 2: pain in the neck and shoulder region
Concept	Health, health complaints

Tab. 10.1.196 Headaches (BX506_3)

Variable label	Headaches
Variable name	BX506_3
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 3: headaches
Concept	Health, health complaints

Tab. 10.1.197 Sleep disorders (BX506_4)

Variable label	Sleep disorders
Variable name	BX506_4
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 4: nighttime sleep disorders
Concept	Health, health complaints

Tab. 10.1.198 Fatigue, exhaustion (BX506_5)

Variable label	Fatigue, exhaustion
Variable name	BX506_5
Values	1 yes 2 no

Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 5: general fatigue, lassitude or exhaustion
Concept	Health, health complaints

Tab. 10.1.199 Stomach and digestive problems (BX506_6)

Variable label	Stomach and digestive problems
Variable name	BX506_6
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 6: stomach or digestive problems
Concept	Health, health complaints

Tab. 10.1.200 Hearing loss, noises in ear (BX506_7)

Variable label	Hearing loss, noises in ear
Variable name	BX506_7
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).

Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 7: hearing loss, noises in ear
Concept	Health, health complaints

Tab. 10.1.201 Nervousness, irritability (BX506_8)

Variable label	Nervousness, irritability
Variable name	BX506_8
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 8: nervousness, irritability
Concept	Health, health complaints

Tab. 10.1.202 Despondency (BX506_9)

Variable label	Despondency
Variable name	BX506_9
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 9: despondency
Concept	Health, health complaints

Tab. 10.1.203 Physical exhaustion (BX506_10)

Variable label	Physical exhaustion
Variable name	BX506_10
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 10: physical exhaustion
Concept	Health, health complaints

Tab. 10.1.204 Emotional exhaustion (BX506_11)

Variable label	Emotional exhaustion
Variable name	BX506_11
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints related to your current employment. Please indicate whether you have frequently experienced the following complaints while at work or on work days during the past 12 months. 11: emotional exhaustion
Instructions for interviewers	For explaining emotional exhaustion, if required: this means that you frequently feel drained and lethargic.
Concept	Health, health complaints

Tab. 10.1.205 Social support personal environment: Item 9 of F-SozU K14 (Copyright Hogrefe) (BX514_1)

Variable label	Social support personal environment: Item 9 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 9**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F–SozU K–14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.1.206 Social support personal environment: Item 7 of F-SozU K14 (Copyright Hogrefe) (BX514_2)

Variable label	Social support personal environment: Item 7 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 7**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F–SozU K–14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.1.207 Social support personal environment: Item 4 of F-SozU K14 (Copyright Hogrefe) (BX514_3)

Variable label	Social support personal environment: Item 4 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 4**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F–SozU K–14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.1.208 Exhaustion: getting fit after work (BX508_1)

Variable label	Exhaustion: getting fit after work
Variable name	BX508_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 1: I often need more time to get fit after work than I used to.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, emotional exhaustion
Source	based on the Oldenburg Burnout Inventory, sub-scale emotional exhaustion – Demerouti et al., 2010

Tab. 10.1.209 Exhaustion: dealing with job demands (BX508_2)

Variable label	Exhaustion: dealing with job demands
Variable name	BX508_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 2: I can handle the demands of my job well.

Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, emotional exhaustion
Source	based on the Oldenburg Burnout Inventory, sub-scale emotional exhaustion – Demerouti et al., 2010

Tab. 10.1.210 Exhaustion: fit for leisure activities after work (BX508_3)

Variable label	Exhaustion: fit for leisure activities after work
Variable name	BX508_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 3: After work, I am typically still fit enough for my leisure activities.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, emotional exhaustion
Source	based on the Oldenburg Burnout Inventory, sub-scale emotional exhaustion – Demerouti et al., 2010

Tab. 10.1.211 Exhaustion: strained after work (BX508_4)

Variable label	Exhaustion: strained after work
Variable name	BX508_4
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 4: I typically feel worn out and strained after work.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, emotional exhaustion
Source	based on the Oldenburg Burnout Inventory, sub-scale emotional exhaustion – Demerouti et al., 2010

Tab. 10.1.212 Professional self-efficacy: handling unforeseen work situations well (BX508_5)

Variable label	Professional self-efficacy: handling unforeseen work situations well
Variable name	BX508_5
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 5: When unexpected situations arise at work, I always know how to behave.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, professional self-efficacy expectations
Source	based on Schyns and von Collani, 2014

Tab. 10.1.213 Professional self-efficacy: remaining calm faced by difficulties on the job (BX508_7)

Variable label	Professional self-efficacy: remaining calm faced by difficulties on the job
Variable name	BX508_7
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 7: I can remain calm when facing difficulties on the job because I can rely on my abilities.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, professional self-efficacy expectations
Source	based on Schyns and von Collani, 2014

Tab. 10.1.214 Professional self-efficacy: ideas for problem-solving at work (BX508_8)

Variable label	Professional self-efficacy: ideas for problem-solving at work
Variable name	BX508_8
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 8: When I am confronted with a problem at work, I usually have several ideas how to deal with it.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, professional self-efficacy expectations
Source	based on Schyns and von Collani, 2014

Tab. 10.1.215 Professional self-efficacy: able to cope with most job demands (BX508_9)

Variable label	Professional self-efficacy: able to cope with most job demands
Variable name	BX508_9
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to you? 9: I am able to cope with most demands of my job.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, professional self-efficacy expectations
Source	based on Schyns and von Collani, 2014

Tab. 10.1.216 Professional self-efficacy: well-prepared for the future through experience (BX508_11)

Variable label	Professional self-efficacy: well-prepared for the future through experience
Variable name	BX508_11
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly

Question	To what extent do the following statements apply to you? 11: My past experiences at work have prepared me well for my professional future.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Health, professional self-efficacy expectations
Source	based on Schyns and von Collani, 2014

Tab. 10.1.217 Personal initiative: actively addressing problems at work (BX511_1)

Variable label	Personal initiative: actively addressing problems at work
Variable name	BX511_1
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I actively address problems at work.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Personal initiative
Source	based on Frese et al.,1997

Tab. 10.1.218 Personal initiative: immediately searching for solution (BX511_2)

Variable label	Personal initiative: immediately searching for solution
Variable name	BX511_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	When something goes wrong at work, I search for a solution immediately.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Personal initiative
Source	based on Frese et al.,1997

Tab. 10.1.219 Personal initiative: taking initiative (BX511_3)

Variable label	Personal initiative: taking initiative
Variable name	BX511_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly

Question	I take initiative at work immediately, even if others do not.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Personal initiative
Source	based on Frese et al.,1997

Tab. 10.1.220 Personal initiative: doing more than is expected (BX511_4)

Variable label	Personal initiative: doing more than is expected
Variable name	BX511_4
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	I usually do more than is expected of me.
Instructions for interviewers	If required: For your rating, again, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly".
Concept	Personal initiative
Source	based on Frese et al.,1997

Tab. 10.1.221 Old-age pension (BX512)

Variable label	Old-age pension
Variable name	BX512
Values	1 yes 2 no
Question	Do you receive an old-age pension?
Filter question	If age >59
Concept	Work at an older age

Tab. 10.1.222 Reasons for working during retirement (BX513)

Variable label	Reasons for working during retirement
Variable name	BX513
Values	1 financial 2 personal 3 organisational
Question	Why do you work nonetheless? Is that mainly for financial, personal or organisational reasons?
Filter question	If receiving old-age pension (BX512=1)
Concept	Work at an older age

Tab. 10.1.223 Retirement: desired date (BX509)

Variable label	Retirement: desired date
Variable name	BX509

Values	1 would like to go into retirement early 2 would like to work until reaching the regular retirement age 3 would like to work beyond reaching the regular retirement age
Question	If you could decide freely: Would you like to go into retirement early, would you like to work until reaching the regular retirement age, or would you like to work beyond reaching the regular retirement age?
Instructions for interviewers	Read out responses if required
Filter question	If target person ≥50 and ≤65 years old
Concept	Work at an older age

Tab. 10.1.224 Age limit work ability (BX510)

Variable label	Age limit work ability
Variable name	BX510
Values	50 to 100 999995 implausible value
Additional details	Age in years. Values <50 or >100 were coded as an implausible value (999995).
Question	What do you think: Up to which age will you be physically and mentally able to continue with your current work?
Filter question	If target person ≥50 years old
Concept	Work at an older age

Tab. 10.1.225 Secondary employment present (BXnt)

Variable label	Secondary employment present
Variable name	BXnt
Values	1 secondary employment(s) present 2 no secondary employment(s) present
Additional details	Generated from information from the screening and number of secondary employments (BX600)
Question	BX600: When we started, you stated that you engage in more than one employment. Apart from your main employment – how many secondary employments do you have?
Instructions for interviewers	BX600: We understand employment as paid work. We do not mean volunteer work or helping neighbours or friends. If required: By main employment, we mean the occupation we have spoken about so far: [Tätigkeit_T2]
Concept	Secondary employment

Tab. 10.1.226 Total weekly working hours (all employments) (BX601)

Variable label	Total weekly working hours (all employments)
Variable name	BX601
Values	0.0 to 110.0
Additional details	Hours per week, one decimal place. Programming: value range 0–120.
Question	If you add up all your jobs – how many hours per week do you work on average?
Filter question	If secondary employment (BX600≤95)
Concept	Secondary employment

Tab. 10.1.227 Satisfaction balancing multiple employments (BX601a)

Variable label	Satisfaction balancing multiple employments
Variable name	BX601a
Values	1 very satisfied 2 satisfied 3 less satisfied 4 not satisfied
Question	How satisfied are you with how well your main and your [if one secondary employment (BX600=1): other employment]/[[if several secondary employments (BX600>1): other employments] can be balanced with each other? Please tell me whether you are very satisfied, satisfied, less satisfied, or not satisfied.
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.228 SECEMP_1: same occupation: main and secondary employment (BX603_1)

Variable label	SECEMP_1: same occupation: main and secondary employment
Variable name	BX603_1
Values	1 yes 2 no

Question	Introduction to BX602: If one secondary employment (BX600=1): The following questions relate to the secondary employment you are engaged in next to your main employment as [Tätigkeit_T2]. If several secondary employments (BX600>1): The following questions relate to the secondary employment you are engaged in next to your main employment as [Tätigkeit_T2], which you spend most of your time on. BX603_1: Do you practice the same occupation in your secondary employment than you do in your main employment?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.229 SECEMP_1: ISCO-08 2-digit groups (BXI08_nt1_2stl)

Variable label	SECEMP_1: ISCO-08 2-digit groups
Variable name	BXI08_nt1_2stl
Values	Values, see Bundesamt für Statistik, 2017. -8 do not know -6 housewife -5 not codable
Additional details	Coding of open responses (BX604_1, BX605_1, BX606_1) and, if required, additional information (including employment status) based on the sub-major groups (2-digit groups) of the International Standard Classification of Occupations of 2008 (ISCO-08). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment.
Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.230 SECEMP_1: ISCO-08 3-digit groups (BXI08_nt1_3stl)

Variable label	SECEMP_1: ISCO-08 3-digit groups
Variable name	BXI08_nt1_3stl
Values	Values, see Bundesamt für Statistik, 2017. -8 do not know -6 housewife -5 not codable
Additional details	Coding of open responses (BX604_1, BX605_1, BX606_1) and, if required, additional information (including employment status) based on the minor groups (3-digit groups) of the International Standard Classification of Occupations of 2008 (ISCO-08). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment.
Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.231 SECEMP_1: KLDB10 2-digit groups (BXKLDB10_nt1_2stl)

Variable label	SECEMP_1: KLDB10 2-digit groups
Variable name	BXKLDB10_nt1_2stl
Values	Values, see Bundesagentur für Arbeit, 2013. -8 do not know -6 housewife -5 not codable
Additional details	Coding of open responses (BX604_1, BX605_1, BX606_1) and, if required, additional information (including employment status) based on the occupational main groups (2-digit groups) of the German Classification of Occupations of 2010 (KldB-10). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment.

Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.232 SECEMP_1: KLDB10 3-digit groups (BXKLDB10_nt1_3stl)

Variable label	SECEMP_1: KLDB10 3-digit groups
Variable name	BXKLDB10_nt1_3stl
Values	Values, see Bundesagentur für Arbeit, 2013. -8 do not know -6 housewife -5 not codable
Additional details	Coding of open responses (BX604_1, BX605_1, BX606_1) and, if required, additional information (including employment status) based on the occupational groups (3-digit groups) of the German Classification of Occupations of 2010 (KldB-10). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment.
Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.233 SECEMP_1: KLDB10 occupational segments (BXKLDB10_nt1_segm)

Variable label	SECEMP_1: KLDB10 occupational segments
Variable name	BXKLDB10_nt1_segm
Values	-8 do not know -6 housewife -5 not codable 11 occupations in agriculture, forestry and horticulture 12 manufacturing occupations 13 occupations concerned with production technology 14 occupations in building and interior construction 21 occupations in the food industry, in gastronomy and in tourism 22 Medical and non-medical health care occupations 23 service occupations in social sector and cultural work 31 occupations in commerce and trade 32 occupations in business management and organisation 33 business-related service occupations 41 service occupations in the IT-sector and the natural sciences 51 safety and security occupations 52 occupations in traffic and logistics 53 occupations in cleaning services
Additional details	Assignment of the occupational main groups (two-digit groups) of the German Classification of Occupations of 2010 (BXKLDB10_nt1_2stl) to the occupational segments according to Matthes et al. (2015). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment. **Coarsening:** (11,12 = 11) (21,22,23,24,28,93 = 12) (25,26,27= 13) (31,32,33,34 = 14) (29,63 = 21) (81,82 = 22) (83,84,91,94 = 23) (61,62 = 31) (71 = 32) (72,73,92 = 33) (41,42,43 = 41) (1,53 = 51) (51,52 = 52) (54 = 53)

Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.234 SECEMP_1: KLDB10 occupational sectors (BXKLDB10_nt1_sekt)

Variable label	SECEMP_1: KLDB10 occupational sectors
Variable name	BXKLDB10_nt1_sekt
Values	-8 do not know -6 housewife -5 not codable 1 occupations in the production of goods 2 occupations in personal services 3 occupations in business administration and other business related services 4 service occupations in the IT-sector and the natural sciences 5 other occupations in commercial services
Additional details	Assignment of the occupational segments (BXKLDB10_nt1_segm) to the occupational sectors according to Matthes et al. (2015). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment. **Coarsening:** (11,12,13,14 = 1) (21,22,23 = 2) (31,32,33 = 3) (41 = 4) (51,52,53 = 5) (11,12,13,14 = 1) (21,22,23 = 2) (31,32,33 = 3) (41 = 4) (51,52,53 = 5)
Question	BX604_1: What occupation are you currently engaged in in your secondary employment?

	Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in.
	BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in.
	BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.235 SECEMP_1: KLDB10 5th digit (requirement level) (BXanfniv_nt1)

Variable label	SECEMP_1: KLDB10 5th digit (requirement level)
Variable name	BXanfniv_nt1
Values	-8 do not know -6 housewife -5 not codable 1 unskilled or semi-skilled activities 2 specialist activities 3 complex specialist activities 4 highly complex tasks
Additional details	Coding of open responses (BX604_1, BX605_1, BX606_1) and, if required, further information (including employment status) based on the requirement level (5th digit) of the German Classification of Occupations of 2010 (KldB-10) (Bundesagentur für Arbeit, 2013). If secondary employments in the same occupation as main employment (BX603_1=1), coding was taken over from the main employment.
Question	BX604_1: What occupation are you currently engaged in in your secondary employment? Please give me the exact job title. For instance, not mechanic but car mechanic, not teacher but secondary school teacher. This is not about the occupation you were originally trained for but the employment you are currently engaged in. BX605_1: This information is very important for our investigation. Would you please tell me which occupation you are currently engaged in. BX606_1: Can you be even more specific about this occupation? Does what you do carry another name?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.236 SECEMP_1: employment status (BX607_1)

Variable label	SECEMP_1: employment status
Variable name	BX607_1
Values	1 blue-collar worker (wage earner) 2 white-collar worker (salaried employee) 4 self-employed person 5 independent professional/freelancer 6 independent contractor/freelancer 7 family worker 8 TP cannot decide between wage earner and salaried employee
Additional details	Response category 8 was not read aloud.
Question	What is your employment status in your secondary employment as [Employment from ... WET_1]? Are you a(n) ...
Filter question	If secondary employments
Concept	Secondary employment

Tab. 10.1.237 SECEMP_1: Level of qualification blue-collar worker (wage earner) (BX104_1)

Variable label	SECEMP_1: Level of qualification blue-collar worker (wage earner)
Variable name	BX104_1
Values	1 semi-skilled worker, labourer, unskilled worker 2 skilled worker, work gang foreperson 3 foreperson, group leader 4 master (craftsperson), site foreperson (wage earner)
Question	Which of the following groups do you belong to? Are you a(n) ...
Filter question	If wage earner in secondary employment (BX607_1=1).
Concept	Secondary employment

Tab. 10.1.238 SECEMP_1: Level of qualification white-collar worker (salaried employee) (BX105_1)

Variable label	SECEMP_1: Level of qualification white-collar worker (salaried employee)
Variable name	BX105_1
Values	1 performing simple tasks 2 performing qualified tasks 3 performing highly qualified tasks
Additional details	Original response categories: 1: performing simple tasks 2: performing qualified tasks, e.g., clerk, accountant, technical draftsperson 3: performing highly qualified tasks, e.g., academic research staff, engineer, department head

Question	Are you a white-collar worker (salaried employee) ...
Instructions for interviewers	Examples of simple tasks include those of shop assistants, cleaners, nursing assistants.
Filter question	If white-collar worker in secondary employment (BX607_1=2,8,999997,999998)
Concept	Secondary employment

Tab. 10.1.239 SECEMP_1: Master (craftsperson), site foreperson (salaried employee) (BX106_1)

Variable label	SECEMP_1: Master (craftsperson), site foreperson (salaried employee)
Variable name	BX106_1
Values	1 yes 2 no
Question	Are you employed as a master (craftsperson) or site foreperson?
Filter question	If employed performing qualified/highly qualified tasks in secondary employment (BX105_1=2,3)
Concept	Secondary employment

Tab. 10.1.240 SECEMP_1: Level of qualification civil servants (BX107_1)

Variable label	SECEMP_1: Level of qualification civil servants
Variable name	BX107_1
Values	1 in ordinary service 2 in intermediate service 3 in higher intermediate service 4 in higher service
Question	Are you a civil servant in ordinary, intermediate, higher intermediate, or higher service?
Filter question	If civil servant in secondary employment (BX607_1=3)
Concept	Secondary employment

Tab. 10.1.241 SECEMP_1: Self-employed master (craftsperson) (BX108_1)

Variable label	SECEMP_1: Self-employed master (craftsperson)
Variable name	BX108_1
Values	1 yes 2 no
Question	Are you a self-employed master (craftsperson)?
Filter question	If self-employed in secondary employment (BX607_1=4)
Concept	Secondary employment

Tab. 10.1.242 SECEMP_1: mental and physical activity (BX608_1)

Variable label	SECEMP_1: mental and physical activity
Variable name	BX608_1
Values	1 predominantly mental 2 predominantly physical 3 more or less equally mental and physical
Question	Is your work ...
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.243 SECEMP_1: economic sector (BX609_1)

Variable label	SECEMP_1: economic sector
Variable name	BX609_1
Values	1 public service 2 industry 3 trades 4 commerce 5 other services 6 another sector 7 private household
Additional details	Original response categories: If BX607_1=1,2,3,6,7,8,999997,999998: 1: the public service 2: industry 3: craft sector 4: commerce 5: other services If BX607_1=4,5: 6: (or) another sector If BX607_1=1,2,3,6,7,8,999997,999998: 6: (or) another sector If BX607_1=1,2,6,7,8,999997,999998: 7: or is it a private household
Question	If dependent employee (BX607_1=1,2,3,7,8,999997,999998): Is the company that you work for in secondary employment part of ... If self-employed/freelance (BX607_1=4,5): Does your business belong to ... If independent contractor/freelancer (BX607_1=6): Is this company that you work for in secondary employment part of ...
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.244 SECEMP_1: same industry as main employment (BX610_1)

Variable label	SECEMP_1: same industry as main employment
Variable name	BX610_1
Values	1 yes 2 no
Question	Does the company belong to the same industry as the company you work for as your main employment?
Filter question	If secondary employments, excluding in private household (BX609_1=1,2,3,4,5,6,999997,999998)
Concept	Secondary employment

Tab. 10.1.245 SECEMP_1: Industry WZ08 (BXWZ08_nt1)

Variable label	SECEMP_1: Industry WZ08
Variable name	BXWZ08_nt1
Values	For values, see Statistisches Bundesamt, 2008. -9 no response -8 do not know -7 refused -5 not codable
Additional details	Coding of open responses (BX611_1) and, if required, further information (including employment status) according to the divisions of the Classification of Economic Activities of 2008 (WZ2008). If secondary employment in the same industry as the main employment (BX610_1=1), the coding was taken over from the main employment.
Question	BX611_1: What industry does the company belong to? Please tell me as precisely as possible.
Instructions for interviewers	BX611_1: Please specify the exact industry, e.g., "retail" not "commerce", or "hospital" not "public service". Please ask if necessary!
Filter question	If secondary employments, excluding in private household (BX609_1=1,2,3,4,5,6,999997,999998)
Concept	Secondary employment

Tab. 10.1.246 SECEMP_1: Company size (BX115_1)

Variable label	SECEMP_1: Company size
Variable name	BX115_1
Values	1 1 person 2 2 persons 3 3 to 4 persons 4 5 to 9 persons 5 10 to 19 persons 6 20 to 49 persons 7 50 to 99 persons 8 100 to 249 persons

	9 250 to 499 persons 10 500 to 999 persons 11 1,000 and more persons
Question	If dependent employee (BX607=1,2,3,7,8,999997,999998): How many people are employed in the company you work at, approximately, including yourself, the owner, and trainees/apprentices? If self-employed/freelance (BX607=4,5): How many people are employed in your company in total, including yourself and any trainees/apprentices? If independent contractor/freelancer (BX607=6): How many people are employed in the company you work at in this secondary employment, approximately, including yourself, the owner, and trainees/apprentices?
Instructions for interviewers	Do not read out response categories. If there are several locations, this refers to the local place of business, facility, or branch
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.247 SECEMP_1: duration of employment number of years_coarsened (BX618_1_anzj_vgr)

Variable label	SECEMP_1: duration of employment number of years_coarsened
Variable name	BX618_1_anzj_vgr
Values	0 to 45 999995 >45 years 999996 invalid value
Additional details	Generated from year of duration of employment (BX618_1) and interview date. **Topcoding:** (46 THRU 150 = 999995) Implausible information (1900) were coded as invalid values (999996).

Question	BX618_1: If dependent employee and not temping (BX607_1=1,2,3,7,8,999997,999998 and BX111>1): Since when have you been employed by your current employer? Please tell me the year. If self-employed/freelance (BX607_1=4,5): Since when have you been operating this company, this business? Please tell me the year. If independent contractor/freelance (BX607_1=6): Since when have you been working as an independent contractor/freelancer for the company which you invest most working time in? Please tell me the year.
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.248 SECEMP_1: weekly average working time (BX612_1)

Variable label	SECEMP_1: weekly average working time
Variable name	BX612_1
Values	1.0 to 54.0 999996 irregular working hours
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 1 to 120.
Question	How many hours do you normally work on average per week in this employment – including regular overtime, extra work, emergency-response duty, etc.?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.249 SECEMP_1: number of weekdays (BX613_1)

Variable label	SECEMP_1: number of weekdays
Variable name	BX613_1
Values	0.0 to 7.0 999996 irregular
Additional details	Days per week, one decimal place
Question	How many days per week do you normally work in this job?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.250 SECEMP_1: timing (BX613a_1)

Variable label	SECEMP_1: timing
Variable name	BX613a_1
Values	1 before the main employment 2 after the main employment 3 on the weekend 4 on other free days 5 irregular/changing 6 other
Additional details	Response categories 5 and 6 were not read out.
Question	When do you mainly carry out his other job?
Instructions for interviewers	Here, main employment again means the following occupation: [Tätigkeit_T2]
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.251 SECEMP_1: influence: starting/finishing work (BX615_1)

Variable label	SECEMP_1: influence: starting/finishing work
Variable name	BX615_1
Values	1 very little influence 2 3 4 5 very strong influence
Question	How much influence do you have over when you carry out this secondary employment? For your rating, please use a scale of 1 "very little influence" to 5 "very strong influence".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If secondary employment
Concept	Secondary employment
Source	based on autonomy in terms of hours (control over work time) – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.1.252 SECEMP_1: autonomy (BX616_1)

Variable label	SECEMP_1: autonomy
Variable name	BX616_1
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you can plan and schedule your work in your secondary employment on your own? Is it often, sometimes, seldom, or never?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.253 SECEMP_1: deadline and performance pressure (BX617_1)

Variable label	SECEMP_1: deadline and performance pressure
Variable name	BX617_1
Values	1 often 2 sometimes 3 seldom 4 never
Question	And how often does it happen in your workplace in this secondary employment that you have to work under strong deadline and performance pressure?
Instructions for interviewers	Read out responses if required
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.254 SECEMP_1: main reasons for employment (BX614_1)

Variable label	SECEMP_1: main reasons for employment
Variable name	BX614_1
Values	1 earning a living wage 2 additional income 3 fun at work 10 other reason
Additional details	Response category 10 was not read out.
Question	What is the main reason for engaging in this secondary employment?
Filter question	If secondary employment
Concept	Secondary employment

Tab. 10.1.255 School-leaving qualification (BX700a)

Variable label	School-leaving qualification
Variable name	BX700a
Values	1 special needs school qualification 2 general secondary school qualification/primary school qualification 3 polytechnic secondary school (POS) 8th grade qualification (former East German school-leaving qualification) 4 extended general secondary school qualification 5 intermediate secondary school certificate, entrance qualification for specialised upper secondary school 6 polytechnic secondary school (POS) 10th grade qualification (former East German school-leaving qualification) 7 entrance qualification for universities of applied sciences 8 university entrance qualification 9 extended secondary school (EOS) (former East German school-leaving qualification) 10 foreign school-leaving qualification 11 other school-leaving qualification 12 no school-leaving qualification
Additional details	Generated, from the question BX700apre, BX700a, BX700b. For panel cases, the information was checked against that from the previous wave (BX700apre). If no school-leaving qualification was acquired since the last interview, that information was taken over from the previous wave. Information on the equivalence of foreign qualifications from BX700b were transferred to the corresponding categories in BX700a.
Question	BX700apre: Lastly, I have few general questions for you. In the last interview, you told us that your highest general school-leaving qualification is [PRE_Schulabschluss]. Have you acquired another, higher school-leaving qualification since the last interview? BX700a: If refresher or panel case without a valid preload (BX700apre≠1,2,3,999997,999998): Lastly, I have few general questions for you. What is your highest general education school-leaving qualification? If panel case and former preload on school-leaving qualification not validated (BX700apre=1,3,999997,999998): What is your highest general school-leaving qualification? BX700b: Which German school-leaving qualification does this correspond to?

Instructions for interviewers	BX700a: Have person name the school-leaving qualification. Read out response options only if required. One response only! General education schools are schools, e.g., general secondary school, intermediate secondary school, grammar school, which impart general knowledge in contrast to the specialised knowledge imparted in vocational schools.
Concept	Socio-demographics

Tab. 10.1.256 Vocational qualification (BX700c)

Variable label	Vocational qualification
Variable name	BX700c
Values	1 apprenticeship – company-based apprenticeship 2 school-based apprenticeship, e.g., vocational or commercial school 3 vocational school, master (craftsperson) school, technical college, vocational academy/college 4 university of applied sciences degree 5 university degree 6 doctorate 7 another qualification 8 no vocational qualification
Additional details	Generated, from question BX700cpre, BX700c. For panel cases, the information was checked against that from the previous wave (BX700cpre). If no vocational qualification was acquired since the last interview, that information was taken over from the previous wave.

Question	BX700cpre:
	 If (applied sciences) university entrance qualification existed at previous interview (PRE_Schulabschluss=8,9): Lastly, I have few general questions for you. In the last interview, you stated that you [PRE_Ausbildung]. Since the last interview in [PRE_ Intdatum], have you acquired a[n] [if PRE_Ausbildung=1,2,3,4,5,6: additional, higher] vocational qualification?
	
	 If (applied sciences) university entrance qualification not present at previous interview (PRE_Schulabschluss≠8,9): In the last interview, you stated that you [PRE_Ausbildung]. Since the last interview in [PRE_ Intdatum], have you acquired a[n] [if PRE_Ausbildung=1,2,3,4,5,6: additional, higher] vocational qualification?
	
	 BX700c:
	 If panel case: What is currently your highest qualification?
	
	 If refresher: What is your highest vocational qualification?

Instructions for interviewers	BX700cpre: This does not refer to further training and development measures that do not result in acquiring an

	additional higher vocational certification. BX700c: Only read out response categories if required! If required: This refers to professional certifications, general education school-leaving qualifications are not to be recorded here. If required: Vocational qualification does not include traineeships, internships, and vocational preparation, or vocational preparation schemes.
Concept	Socio-demographics

Tab. 10.1.257 Marital status (BX701)

Variable label	Marital status
Variable name	BX701
Values	1 married 2 single 3 divorced 4 widowed 5 civil partnership
Question	If panel case and (applied science) university entrance qualification and/or doctorate present at the last interview (PRE_Schulabschluss=8,9 and PRE_Ausbildung=6): Lastly, I have few general questions for you. What is your marital status? If refresher or panel case without (applied science) university entrance qualification and/or doctorate at the last interview (PRE_Schulabschluss≠8,9 or PRE_Ausbildung≠6): What is your marital status?
Concept	Socio-demographics

Tab. 10.1.258 Married/civil partnership: living together with partner (BX702)

Variable label	Married/civil partnership: living together with partner
Variable name	BX702
Values	1 yes 2 no
Question	Do you live together with your partner?
Filter question	If married or in civil partnership (BX701=1,5)
Concept	Socio-demographics

Tab. 10.1.259 Living together with partner (BX703)

Variable label	Living together with partner
Variable name	BX703
Values	1 yes 2 no

Question	Do you live together with a partner?
Filter question	If single, divorced, widowed, or separated (BX701=2,3,4,999997,999998 or BX702=2)
Concept	Socio-demographics

Tab. 10.1.260 Partner: employment (BX704)

Variable label	Partner: employment
Variable name	BX704
Values	1 yes 2 no
Question	Is your partner currently in employment?
Filter question	If living together with partner (BX702=1 or BX703=1)
Concept	Socio-demographics

Tab. 10.1.261 Partner: average weekly working hours (BX705)

Variable label	Partner: average weekly working hours
Variable name	BX705
Values	1.0 to 100.0 999996 irregular working hours
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 1 to 120.
Question	How many hours does your partner normally work on average per week – including regular overtime, extra work, emergency-response duty, etc.?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value
Filter question	If cohabitating partner is in employment (BX704=1)
Concept	Socio-demographics

Tab. 10.1.262 Household size_coarsened (BX800_vgr)

Variable label	Household size_coarsened
Variable name	BX800_vgr
Values	1 to 6 999995 more than 6 persons 999996 no permanent residence
Additional details	Generated from household size (BX800). **Topcoding:** (7 THRU 150 = 999995)
Question	How many persons currently live in your household, including children and yourself?

Instructions for interviewers	If required: All children living in the household, including foster children, stepchildren, and adopted children. If the target person has more than one household, please select the household at the primary residence as the reference point.
Concept	Socio-demographics

Tab. 10.1.263 Household: persons under the age of 18 (BX803)

Variable label	Household: persons under the age of 18
Variable name	BX803
Values	1 yes 2 no
Question	If target person older than 18: Do children under the age of 18 live in your household? If target person younger than 18: Besides yourself, do other persons under the age of 18 live in your household?
Instructions for interviewers	Do not read out response categories. This includes all persons under the age of 18 in the household.
Filter question	If multi-person household (BX800>1)
Concept	Socio-demographics

Tab. 10.1.264 Age youngest child (BX804)

Variable label	Age youngest child
Variable name	BX804
Values	1 to 17 999996 child under the age of one
Additional details	Programming: value range 1–17
Question	How old is the youngest child in the household?
Instructions for interviewers	If child is under the age of one, please use button.
Filter question	If persons younger than 18 in the household (BX803=1)
Concept	Socio-demographics

Tab. 10.1.265 Caring for children_frequency (BX804a)

Variable label	Caring for children_frequency
Variable name	BX804a
Values	1 daily 2 several times per week 3 several times per month 4 less often 5 never

Question	How often do you look after or care for children and grandchildren from your personal environment? Is it daily, several times per week, several times per month, less often, or never?
Instructions for interviewers	This also includes own children
Concept	Socio-demographics
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.266 Care_frequency (BX804b)

Variable label	Care_frequency
Variable name	BX804b
Values	1 daily 2 several times per week 3 several times per month 4 less often 5 never
Question	How often do you look after or care for elderly, disabled, or long-term ill persons from your personal environment? Is it daily, several times per week, several times per month, less often, or never?
Concept	Socio-demographics
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.267 Main employment: gross monthly earnings_coarsened (BX805_vgr)

Variable label	Main employment: gross monthly earnings_coarsened
Variable name	BX805_vgr
Values	1 to 10,000 999995 more than 10,000 euros
Additional details	Generated from main employment: gross monthly earnings (BX805). **Topcoding:** (10001 THRU 999994 = 999995)
Question	If dependent employee (BX103=1,2,3,7,8,999997,999998): Now on to your gross monthly earnings, i.e., your wage or salary before taxes or social security are deducted. Please do not include child allowance. What are your gross monthly earnings from your [if several employments ((BX_E1=2 or E1=2) and BX_EST≠9): main] employment as [Tätigkeit_T2]? If independent contractor/freelance (BX103=6): Now on to your gross monthly earnings. We are not talking about your turnover. Please do not include child allowance. What are your gross monthly earnings from your [if several

	employments ((BX_E1=2 or E1=2) and BX_EST≠9): main] employment as [Tätigkeit_T2]?
	If self-employed/freelance (BX103=4,5): Now on to your gross monthly earnings. We are not talking about your business turnover or profit. Please do not include child allowance. What are your gross monthly earnings from your [if several employments ((BX_E1=2 or E1=2) and BX_EST≠9): main] employment as [Tätigkeit_T2]?
Concept	Socio-demographics

Tab. 10.1.268 Main employment: monthly gross earnings_follow-up more than/less than 1,500 euros (BX806)

Variable label	Main employment: monthly gross earnings_follow-up more than/less than 1,500 euros
Variable name	BX806
Values	1 yes, less than 1,500 euros 2 no, 1,500 euros and more
Question	Next, would you tell me: Do your gross monthly earnings from your [if several employments ((BX_E1=2 or E1=2) and BX_EST≠9): main] employment as [Tätigkeit_T2] amount to less than 1,500 euros?
Filter question	If information on gross earnings refused or do not know (BX805=999997,999998)
Concept	Socio-demographics

Tab. 10.1.269 Main employment: mini or midi-job (BX807)

Variable label	Main employment: mini or midi-job
Variable name	BX807
Values	1 mini-job (income of up to 450 euros) 2 midi-job (income of up to 850 euros) 3 no
Question	Is your main employment a mini-job with a monthly income of up to 450 euros or a midi-job of up to 850 euros?
Instructions for interviewers	Do not read out response categories
Filter question	If gross earnings of less than 1,500 euros (BX806=1,999997,999998)
Concept	Socio-demographics

Tab. 10.1.270 Minimum wage (BX805a)

Variable label	Minimum wage
Variable name	BX805a
Values	1 yes 2 no

Question	In January 2017, the statutory minimum wage in Germany was raised to 8.84 euros per hour. Do you earn a gross hourly wage of at least 8.84 euros in your main employment?
Filter question	If gross earnings less than 2,000 euros or unknown (BX805<2000 or BX805=999997,999998)
Concept	Socio-demographics, minimum wage

Tab. 10.1.271 SECEMP_1: mini or midi-job (BX808_1)

Variable label	SECEMP_1: mini or midi-job
Variable name	BX808_1
Values	1 mini-job (income of up to 450 euros) 2 midi-job (income of up to 850 euros) 3 no
Question	Is your secondary employment as [Employment WET_1] a mini-job with a monthly income of up to 450 euros or a midi-job of up to 850 euros?
Filter question	If secondary employment (BX600≥1 and BX600<999996 and BX602≠2)
Concept	Socio-demographics

Tab. 10.1.272 Household income: making ends meet (BX809)

Variable label	Household income: making ends meet
Variable name	BX809
Values	1 very easily 2 3 4 5 with great difficulties
Question	If you think of your household's total monthly income, is your household able make ends meet? For your rating, please use a scale from 1 "very easily" to 5 "with great difficulties".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Socio-demographics
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.1.273 Citizenship_grouped (BX810_2K)

Variable label	Citizenship_grouped
Variable name	BX810_2K
Values	1 German 2 not German
Additional details	Generated from citizenship (BX810, BX810a, PRE_Staatsangehörigkeit).

	It is recorded using a list of countries (BX810, code 71: Germany) and, if required, using additional free-form responses (BX810a). If valid information on citizenship from previous wave is available for panel cases, that information was taken over for this variable without checking it again. **Coarsening:** (71=1) (999997=999997) (999998=999998) (ELSE=2)
Question	BX810: What citizenship do you have?
Instructions for interviewers	BX810_a: Please record open response on additional citizenship
Concept	Socio-demographics

Tab. 10.1.274 Possession of additional citizenship (BX810_1b)

Variable label	Possession of additional citizenship
Variable name	BX810_1b
Values	1 yes 2 no
Additional details	Generated from possession of additional citizenship (CX810_1b, PRE_WeitStaat). If panel cases with valid information on additional citizenship from previous wave, that information was taken over for this variable without checking it again.
Question	BX810_1b: Do you have another citizenship?
Concept	Socio-demographics

Tab. 10.1.275 Additional citizenship_grouped (BX810_2_2K)

Variable label	Additional citizenship_grouped
Variable name	BX810_2_2K
Values	1 German 2 not German

Additional details	Generated from additional citizenship (BX810_2, BX810_3, PRE_WeitStaat). It is recorded using a list of countries (BX810_2, Code 71: Germany) and, if required, using additional free-form responses (BX810_3). If panel cases with valid information on additional citizenship from previous wave, that information was taken over for this variable without checking it again. **Coarsening:** (71=1) (999997=999997) (999998=999998) (SYSMIS=999999) (ELSE=2)
Question	BX810_2: What other citizenship do you have?
Instructions for interviewers	BX810_3: Please record open response on additional citizenship
Filter question	If additional citizenship present (BX810_1b=1)
Concept	Socio-demographics

Tab. 10.1.276 Panel participation willingness (BX900)

Variable label	Panel participation willingness
Variable name	BX900
Values	1 TP gives approval 2 TP refuses approval
Additional details	Enquiry about panel participation willingness via telephone
Filter question	If refresher, panel participation willingness was not queried for panel cases

Tab. 10.1.277 Federal state_coarsened (BXbland_14K)

Variable label	Federal state_coarsened
Variable name	BXbland_14K
Values	1 Baden-Württemberg 2 Bavaria 3 Berlin 4 Brandenburg 5 Hamburg 6 Hessia 7 Mecklenburg–Western Pomerania 8 Lower Saxony and Bremen 9 North Rhine-Westphalia 10 Rhineland-Palatinate and Saarland 11 Saxony 12 Saxony-Anhalt 13 Schleswig-Holstein 14 Thuringia

Additional details	Generated from postal code (BX813, BX813pre, BX814). **Coarsening to German federal states, merging of Lower Saxony and Bremen as well as Rhineland-Palatinate and Saarland.** Persons who did not provide information on postal code were assigned a filter missing (999999).
Question	BX813pre: In the last survey, you stated that your postal code is [PRE_Plz]. Is this postal code still correct? BX813: If panel case and preload not applicable (BX813pre=2,3,999997,99998): Would you please tell me the postal code of your current place of residence? If refresher or panel case without valid information from previous wave (PRE_Plz =NA): Would you please tell me the postal code of your place of residence? This information is used only to assign the results to certain regions or area types. All data are analysed only in anonymised form. Naturally, the information you provide is voluntary. However, it is important for the success of the study.
Instructions for interviewers	BX813: If target person is only willing to provide less than 5 digits, use the appropriate button. BX814: Enter the first 4, 3, 2, or the first postal code as specified by the TP.
Concept	Socio-demographics

Tab. 10.1.278 Longitudinal weight Wave 2 (LSGewichtW2)

Variable label	Longitudinal weight Wave 2
Variable name	LSGewichtW2
Values	0.09 to 14.39
Additional details	Generated, weighting factor for longitudinal analyses. Available for all cases that were interviewed in the 2015 survey wave. For details on how the weighting is created, see the methodology report (Häring et al., 2018). Refreshers for whom the weight was not calculated are SYSMIS.

10.2 Dataset Short questionnaire for non-employed persons

Tab. 10.2.1 Identification number (lfd)

Variable label	Identification number
Variable name	lfd
Additional details	Generated person identification number that is used across waves

Tab. 10.2.2 Interview date year (BXintdatjahr)

Variable label	Interview date year
Variable name	BXintdatjahr
Values	2017

Tab. 10.2.3 Interview date month (BXintdatmon)

Variable label	Interview date month
Variable name	BXintdatmon
Values	5 to 9

Tab. 10.2.4 First-time participation in ... (BXErstteilnahme)

Variable label	First-time participation in ...
Variable name	BXErstteilnahme
Values	2015
Additional details	Generated from checking against survey in 2015

Tab. 10.2.5 Last participated (also SQ) in ... (BXLetztteilnahme)

Variable label	Last participated (also SQ) in ...
Variable name	BXLetztteilnahme
Values	2015
Additional details	Generated from checking against survey in 2015

Tab. 10.2.6 Participation WTS 2015 (BXTeilnahme2015)

Variable label	Participation WTS 2015
Variable name	BXTeilnahme2015
Values	1 participation main questionnaire
Additional details	Generated variable marking panel participation

Tab. 10.2.7 Participation WTS 2017 (BXTeilnahme2017)

Variable label	Participation WTS 2017
Variable name	BXTeilnahme2017
Values	3 participation short questionnaire
Additional details	Generated variable marking panel participation

Tab. 10.2.8 Survey instrument (BXtyp)

Variable label	Survey instrument
Variable name	BXtyp
Values	2 short questionnaire
Additional details	Generated variable used to differentiate Type 1=main questionnaire from Type 2=short questionnaire (for non-employed persons)

Tab. 10.2.9 Pretest case (BXmarker)

Variable label	Pretest case
Variable name	BXmarker
Values	1 case from pretest 2 case from main survey
Additional details	Generated from survey paradata

Tab. 10.2.10 Sex (BXS1)

Variable label	Sex
Variable name	BXS1
Values	1 male 2 female
Additional details	Recording of the sex by the interviewer during the screening. For panel cases, this is used for checking whether it is indeed the target person (PS3, in PS4 follow-up question if information deviates from preload information).
Instructions for interviewers	PS3: Do not read out! Enter the sex of the respondent! PS4: The recorded sex [S1] does not match the available information [PRE_Geschlecht]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether the sex was recorded correctly.
Concept	Socio-demographics

Tab. 10.2.11 Date of birth_coarsened (BXS2_Jahr_vgr)

Variable label	Date of birth_coarsened
Variable name	BXS2_Jahr_vgr
Values	1947 to 1999 999995 before 1947
Additional details	Recording of year of birth in screening. For panel cases, this is used for checking whether this is indeed the target person (PS1, in PS2 follow-up question if information deviates from preload information by two years). **Coarsening:** (LOWEST THRU 1946 = 999995)
Question	PS1: First of all, please tell me when you were born? Please tell me the month and year.
Instructions for interviewers	PS2: The age recorded [ALTER from PS1] does not match the available age [PRE_ALTER]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether year of birth was recorded correctly.
Concept	Socio-demographics

Tab. 10.2.12 Age_coarsened (BXAlter_vgr)

Variable label	Age_coarsened
Variable name	BXAlter_vgr
Values	18 to 70 999995 over 70 years
Additional details	Recording of year of birth in screening. For panel cases, this is used for checking whether this is indeed the target person (PS1, in PS2 follow-up question if information deviates from preload information by two years). Age generated from year of birth and interview date. **Topcoding:** (71 THRU 150 = 999995)
Question	PS1: First of all, please tell me when you were born? Please tell me the month and year.
Instructions for interviewers	PS2: The age recorded [ALTER from PS1] does not match the available age [PRE_ALTER]. Please clarify whether the person on the phone is the target person who did the interview in 2015. If necessary, ask whether year of birth was recorded correctly.
Concept	Socio-demographics

Tab. 10.2.13 Employment status (BX_EST)

Variable label	Employment status
Variable name	BX_EST
Values	1 not employed 2 employed with an interruption of more than 3 months 3 vocational training/apprenticeship/internship 4 military service/voluntary social year/volunteer work 8 unclear
Additional details	Generated from the information from the screening. Due to low case numbers, the original categories 4 (military service/voluntary social year) and 5 (volunteer work) have been summarised. **Coarsening:** (4,5 = 4)
Concept	Employment

Tab. 10.2.14 End of last employment: month (SQ) (BX_K1m)

Variable label	End of last employment: month (SQ)
Variable name	BX_K1m
Values	1 to 12
Additional details	Programming: value range 1–12
Question	If not employed (BX_EST=1): When did your last employment end? Please tell me the month and year. If employed with an interruption of over 3 months (BX_EST=2): Since when is your last employment interrupted? Please tell me the month and year.
Filter question	If not employed or employed with an interruption of over 3 months (BX_EST=1,2)
Concept	End of employment

Tab. 10.2.15 End of last employment: year (SQ) (BX_K1j)

Variable label	End of last employment: year (SQ)
Variable name	BX_K1j
Values	2015 to 2017
Additional details	Programming: value range 2015–2017
Question	If not employed (BX_EST=1): When did your last employment end? Please tell me the month and year. If employed with an interruption of over 3 months (BX_EST=2): Since when is your last employment interrupted? Please tell me the month and year.
Filter question	If not employed or employed with an interruption of over 3 months (BX_EST=1,2)
Concept	End of employment

Tab. 10.2.16 End of employment (SQ), coarsened (BX_K2_vgr)

Variable label	End of employment (SQ), coarsened
Variable name	BX_K2_vgr
Values	1 fixed-term employment/vocational training/apprenticeship ended 2 early retirement/release phase of semi-retirement 3 retirement 5 employment relationship terminated by mutual agreement 6 terminated by the employer 7 own resignation 9 gave up self-employment or family work/other
Additional details	Original response categories: 1: was a fixed-term employment or vocational training/apprenticeship finished If PRE_Alter>54: 2: did you go into early retirement If PRE_Alter>54: 3: or retirement If PRE_Alter>54: 4: are you in the release phase of semi-retirement 5: was the employment relationship terminated by mutual agreement 6: terminated by the employer 7: did you quit yourself 8: did you give up self-employment or family work 9: or were there other reasons? Due to low case numbers, the categories 2 (early retirement) and 4 (release phase of semi-retirement) have been summarised as well as 8 (gave up family work) and 9 (other reasons). **Coarsening:** (2,4=2) (8,9=9) Programming: After the first item that was answered with "yes", continue with BX_K3.
Question	How did your last employment end?
Filter question	If not employed and end of last employment was not specified (BX_EST=1)
Concept	End of employment

Tab. 10.2.17 End of employment: main reason restructuring/job cuts (SQ) (BX_K3)

Variable label	End of employment: main reason restructuring/job cuts (SQ)
Variable name	BX_K3
Values	1 yes 2 no
Question	Was the main reason restructuring or job cuts?

Filter question	If not employed (BX_EST=1) and last employment was terminated by mutual agreement, terminated by the employer, or ended for other reasons (BX_K2=5,6,9)
Concept	End of employment

Tab. 10.2.18 Loss of employment due to digitalisation (SQ) (BX_K4)

Variable label	Loss of employment due to digitalisation (SQ)
Variable name	BX_K4
Values	1 yes 2 no
Question	If the employment relationship was terminated by mutual agreement or terminated by the employer during the past employment (BX_K2=5,6): Nowadays, machines, robots, and computer can take on many jobs that were previously done by humans. From your point of view, did this play a role in the loss of your job? If early retirement, own resignation, given up self-employment or family work, or last employment ended for other reasons (BX_K2=2,7,8,9): Nowadays, machines, robots, and computer can take on many jobs that were previously done by humans. Has this played a role in giving up your employment?
Instructions for interviewers	If the respondent answers "to some extent" or "only partly", please fill in "yes".
Filter question	If not employed (BX_EST=1) and if last employment ended because early retirement, terminated by mutual agreement, terminated by the employer, own resignation, giving up self-employment or family work, or other reasons (BX_K2=2,5,6,7,8,9)
Concept	End of employment

Tab. 10.2.19 Reasons for giving up the employment: too high a workload (SQ) (BX_K5_1)

Variable label	Reasons for giving up the employment: too high a workload (SQ)
Variable name	BX_K5_1
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 1: due to a too high workload
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.20 Reasons for giving up the employment: bad working atmosphere (SQ) (BX_K5_2)

Variable label	Reasons for giving up the employment: bad working atmosphere (SQ)
Variable name	BX_K5_2
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 2: due to a bad working atmosphere
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.21 Reasons for giving up the employment: restructuring/job cuts (SQ) (BX_K5_3)

Variable label	Reasons for giving up the employment: restructuring/job cuts (SQ)
Variable name	BX_K5_3
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 3: due to restructuring or job cuts
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.22 Reasons for giving up the employment: caring for children (SQ) (BX_K5_4)

Variable label	Reasons for giving up the employment: caring for children (SQ)
Variable name	BX_K5_4
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 4: to take care of children
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.23 Reasons for giving up the employment: caring for family members (SQ) (BX_K5_5)

Variable label	Reasons for giving up the employment: caring for family members (SQ)
Variable name	BX_K5_5
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 5: to take care of family members
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.24 Reasons for giving up the employment: sickness/incapacity to work (SQ) (BX_K5_6)

Variable label	Reasons for giving up the employment: sickness/incapacity to work (SQ)
Variable name	BX_K5_6
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 6: due to sickness or an incapacity to work
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.25 Reasons for giving up the employment: further training/studies (SQ) (BX_K5_7)

Variable label	Reasons for giving up the employment: further training/studies (SQ)
Variable name	BX_K5_7
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 7: due to further training or studies
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.26 Reasons for giving up the employment: work not worthwhile financially (SQ) (BX_K5_8)

Variable label	Reasons for giving up the employment: work not worthwhile financially (SQ)
Variable name	BX_K5_8
Values	1 yes 2 no
Additional details	Order of the questions BX_K5_1 to BX_K5_8 was randomised.
Question	Why did you give up your employment? 8: because the work was not worthwhile financially
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.27 Reasons for giving up the employment: other reasons (SQ) (BX_K5_9)

Variable label	Reasons for giving up the employment: other reasons (SQ)
Variable name	BX_K5_9
Values	1 yes 2 no
Question	Why did you give up your employment? 9: or were there other reasons?
Filter question	If not employed (BX_EST=1) and if last employment ended due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.28 Main reason for giving up the employment (SQ) (BX_aufgabeET_hauptgrund)

Variable label	Main reason for giving up the employment (SQ)
Variable name	BX_aufgabeET_hauptgrund
Values	1 too high a workload 2 a bad working atmosphere 3 restructuring or job cuts 4 caring for children 5 caring for family members 6 sickness or an incapacity to work 7 further training or studies 8 the work was not worthwhile financially 9 other reasons 999996 no reasons given for simple response

Additional details	Generated from BX_K5a and BX_K5_1 to BX_K5_9. The question for the main reason (BX_K5a) was only asked if several reasons were given in BX_K5_1 to BX_K5_9. Given reasons were shown in BX_K5a in the order they were shown before. BX_aufgabeET_hauptgrund either contains the main reason (BX_K5a) or the (only) given reason from BX_K5_1 to BX_K5_9.
Question	BX_K5a: And what was the main reason for giving up your employment? I will read out the reasons you have given again.
Filter question	If not employed (BX_EST=1) and end of employment due to early retirement, own resignation, or giving up self-employment or family work (BX_K2=2,7,8)
Concept	End of employment

Tab. 10.2.29 Wish to take up new employment (SQ) (BX_K6)

Variable label	Wish to take up new employment (SQ)
Variable name	BX_K6
Values	1 yes 2 no
Question	If not employed (BX_EST=1): Would you like to take up a new employment in the future? If employed with an interruption of over 3 months (BX_EST=2): Do you want to resume or take up a new employment after the interruption?
Filter question	If not employed or employed with an interruption of over 3 months (BX_EST=1,2)
Concept	Desire to work

Tab. 10.2.30 Employability_self-assessment (SQ) (BX_K7)

Variable label	Employability_self-assessment (SQ)
Variable name	BX_K7
Values	1 very easily 2 3 4 5 with great difficulties
Question	How easily do you think you will find a new job? For your rating, please use a scale from 1 " very easily" to 5 "with great difficulties".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed (BX_EST=1) and not negated the wish for taking up employment (BX_K6=1,999997,999998)
Concept	Search for employment

Tab. 10.2.31 Average actual weekly working hours (SQ) (BX_K8)

Variable label	Average actual weekly working hours (SQ)
Variable name	BX_K8
Values	2.0 to 75.0 999996 no agreed-upon weekly working hours
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 1 to 120.
Question	How many hours do you actually work on average per week [if several employments (BX_E1=2): in this main employment] – including regular overtime and extra work [if vocational training/apprenticeship/internship (BX_EST=3): and vocational school lessons]/[if military service/voluntary social year (BX_EST=4): and training, if applicable]?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value.
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.32 Contractually agreed-upon weekly working hours (SQ) (BX_K9)

Variable label	Contractually agreed-upon weekly working hours (SQ)
Variable name	BX_K9
Values	2.0 to 50.0 999996 no agreed-upon weekly working hours
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 1 to 85.
Question	What are the weekly working hours in this [if several employments (BX_E1=2): main] employment according to the agreement with your employer, excluding overtime?
Instructions for interviewers	Week can include Saturdays and Sundays, for example, in the food service industry. Please only state what is agreed as weekly working hours in the contract, i.e., without overtime, extra work, etc.
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.33 Working time between 7am and 7pm (SQ) (BX_K10)

Variable label	Working time between 7am and 7pm (SQ)
Variable name	BX_K10
Values	1 yes 2 no
Question	Is your working time normally between 7am and 7pm?
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.34 Desired weekly working hours (SQ) (BX_K11)

Variable label	Desired weekly working hours (SQ)
Variable name	BX_K11
Values	0.0 to 70.0
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 0 to 120.
Question	If you could choose the volume of your working time yourself and take into account that your earnings would change accordingly: How many hours per week would you most like to work?
Filter question	If not employed or employed with an interruption of over 3 months as well as wish to resume employment (BX_EST=1,2 and BX_K6 = 1) or if vocational training/apprenticeship/internship, military service, voluntary social year, volunteer work (BX_EST=3,4,5)
Concept	Working time preferences

Tab. 10.2.35 Importance_reliable working hours (SQ) (BX_K12_1)

Variable label	Importance_reliable working hours (SQ)
Variable name	BX_K12_1
Values	1 not important 2 3 4 5 very important
Question	If not employed (BX_EST=1): Even though you are not currently employed, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If employed with an interruption of over 3 months (BX_EST=2): Even though you have currently interrupted your employment, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some

	working time features. Please tell me how important you find them. If vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=3,4,5): I will now list some working time features. Please tell me how important you find them. For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 1: to have reliable working hours?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed, employed with an interruption of over 3 months, vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=1,2,3,4,5)
Concept	Flexibility

Tab. 10.2.36 Importance_influence: starting/finishing work (SQ) (BX_K12_2)

Variable label	Importance_influence: starting/finishing work (SQ)
Variable name	BX_K12_2
Values	1 not important 2 3 4 5 very important
Question	If not employed (BX_EST=1): Even though you are not currently employed, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If employed with an interruption of over 3 months (BX_EST=2): Even though you have currently interrupted your employment, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=3,4,5): I will now list some working time features. Please tell me how important you find them. For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you

	2: to have an influence on when you start or finish your working day?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed, employed with an interruption of over 3 months, vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=1,2,3,4,5)
Concept	Flexibility, importance flexibility
Source	based on control over work time – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.2.37 Importance_influence: break (SQ) (BX_K12_3)

Variable label	Importance_influence: break (SQ)
Variable name	BX_K12_3
Values	1 not important 2 3 4 5 very important
Question	If not employed (BX_EST=1): Even though you are not currently employed, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If employed with an interruption of over 3 months (BX_EST=2): Even though you have currently interrupted your employment, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=3,4,5): I will now list some working time features. Please tell me how important you find them. For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 3: to have an influence on when you take a break?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed, employed with an interruption of over 3 months, vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=1,2,3,4,5)
Concept	Flexibility, importance flexibility

Tab. 10.2.38 Importance_influence: taking a few hours off (SQ) (BX_K12_4)

Variable label	Importance_influence: taking a few hours off (SQ)
Variable name	BX_K12_4
Values	1 not important 2 3 4 5 very important
Question	If not employed (BX_EST=1): Even though you are not currently employed, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If employed with an interruption of over 3 months (BX_EST=2): Even though you have currently interrupted your employment, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=3,4,5): I will now list some working time features. Please tell me how important you find them. For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 4: to have an influence on when you take a few hours off?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed, employed with an interruption of over 3 months, vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=1,2,3,4,5)
Concept	Flexibility, importance flexibility
Source	based on control over work time – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.2.39 Importance_influence: taking time off/taking a few days off (SQ) (BX_K12_5)

Variable label	Importance_influence: taking time off/taking a few days off (SQ)
Variable name	BX_K12_5

Values	1 not important 2 3 4 5 very important
Question	If not employed (BX_EST=1): Even though you are not currently employed, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If employed with an interruption of over 3 months (BX_EST=2): Even though you have currently interrupted your employment, I would like to ask you a few questions on the topic of working hours. Therefore, I will now list some working time features. Please tell me how important you find them. If vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=3,4,5): I will now list some working time features. Please tell me how important you find them. For your rating, please use a scale of 1 "not important" to 5 "very important". How important is it to you 5: to have an influence on when you can take time off or take a few days off?
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Filter question	If not employed, employed with an interruption of over 3 months, vocational training/apprenticeship/internship, military service/voluntary social year, volunteer work (BX_EST=1,2,3,4,5)
Concept	Flexibility, importance flexibility
Source	based on control over work time – Valcour, 2007, based on Thomas and Ganster, 1995

Tab. 10.2.40 Mental and physical activity (SQ) (BX_K13)

Variable label	Mental and physical activity (SQ)
Variable name	BX_K13
Values	1 predominantly mental 2 predominantly physical 3 more or less equally mental and physical
Question	Is your work ...
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.41 Strong deadline or performance pressure (SQ) (BX_K14)

Variable label	Strong deadline or performance pressure (SQ)
Variable name	BX_K14
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen at your work that you must work under strong deadline or performance pressure? Is it often, sometimes, seldom, or never?
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.42 Planning and scheduling own work (SQ) (BX_K15)

Variable label	Planning and scheduling own work (SQ)
Variable name	BX_K15
Values	1 often 2 sometimes 3 seldom 4 never
Question	How often does it happen that you can plan and schedule your work yourself?
Instructions for interviewers	If required: Is it often, sometimes, seldom, or never?
Filter question	If vocational training/apprenticeship/internship, military service/voluntary social year, or volunteer work (BX_EST=3,4,5)

Tab. 10.2.43 General state of health (BX504)

Variable label	General state of health
Variable name	BX504
Values	1 very good 2 3 4 5 very bad
Question	How would you describe your general state of health? For your rating, please use a scale of 1 "very good" to 5 "very bad"
Concept	Health

Tab. 10.2.44 Sleep quality (BX504a)

Variable label	Sleep quality
Variable name	BX504a
Values	1 very good 2 3 4 5 very bad
Question	How would you rate your sleep during the past week?
Concept	Health, sleep quality
Source	based on Pittsburgh Sleep Quality Index – Buysse et al., 1989

Tab. 10.2.45 Fatigue (BX504b)

Variable label	Fatigue
Variable name	BX504b
Values	1 not fatigued at all 2 3 4 5 very fatigued
Question	And how fatigued do you currently feel? For your rating, please use a scale of 1 "not fatigued at all" to 5 "very fatigued".
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Health, fatigue
Source	based on Fatigue – Van Hooff et al., 2007

Tab. 10.2.46 Assessment of one's work ability (BX505)

Variable label	Assessment of one's work ability
Variable name	BX505
Values	0 unable to work 1 2 3 4 5 6 7 8 9 10 best work ability
Question	If you rate your work ability at its very best with 10 points: How many points would you give your current work ability? 0 means that you are currently unable to work.

Instructions for interviewers	If required: "Work ability" refers to your capacity to do your job well
Concept	Health, work ability
Source	based on Work Ability Index – Tuomi et al., 1998, Hasselhorn and Freude, 2007

Tab. 10.2.47 Back pain, lower back pain (BX506_1)

Variable label	Back pain, lower back pain
Variable name	BX506_1
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 1: back pain, lower back pain
Concept	Health, health complaints

Tab. 10.2.48 Neck and shoulder pain (BX506_2)

Variable label	Neck and shoulder pain
Variable name	BX506_2
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 2: pain in the neck and shoulder region
Concept	Health, health complaints

Tab. 10.2.49 Headaches (BX506_3)

Variable label	Headaches
Variable name	BX506_3
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 3: headaches
Concept	Health, health complaints

Tab. 10.2.50 Sleep disorders (BX506_4)

Variable label	Sleep disorders
Variable name	BX506_4
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 4: nighttime sleep disorders
Concept	Health, health complaints

Tab. 10.2.51 Fatigue, exhaustion (BX506_5)

Variable label	Fatigue, exhaustion
Variable name	BX506_5
Values	1 yes 2 no

Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 5: general fatigue, lassitude or exhaustion
Concept	Health, health complaints

Tab. 10.2.52 Stomach and digestive problems (BX506_6)

Variable label	Stomach and digestive problems
Variable name	BX506_6
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 6: stomach or digestive problems
Concept	Health, health complaints

Tab. 10.2.53 Hearing loss, noises in ear (BX506_7)

Variable label	Hearing loss, noises in ear
Variable name	BX506_7
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).

Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 7: hearing loss, noises in ear
Concept	Health, health complaints

Tab. 10.2.54 Nervousness, irritability (BX506_8)

Variable label	Nervousness, irritability
Variable name	BX506_8
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 8: nervousness or irritability
Concept	Health, health complaints

Tab. 10.2.55 Despondency (BX506_9)

Variable label	Despondency
Variable name	BX506_9
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 9: despondency
Concept	Health, health complaints

Tab. 10.2.56 Physical exhaustion (BX506_10)

Variable label	Physical exhaustion
Variable name	BX506_10
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 10: physical exhaustion
Concept	Health, health complaints

Tab. 10.2.57 Emotional exhaustion (BX506_11)

Variable label	Emotional exhaustion
Variable name	BX506_11
Values	1 yes 2 no
Additional details	The question was asked both to participants of the main questionnaire and the short questionnaire. It should be noted, however, that the formulation of the question differed between the two groups (in the main questionnaire, reference was made to complaints at work or on working days during the past 12 months, while the short questionnaire featured a more general reference to health complaints during the past 12 months).
Question	The following questions deal with health complaints. Please indicate whether you have frequently experienced the following complaints during the past 12 months. 11: emotional exhaustion
Instructions for interviewers	For explaining emotional exhaustion, if required: this means that you frequently feel drained and lethargic.
Concept	Health, health complaints

Tab. 10.2.58 Social support personal environment: Item 9 of F-SozU K14 (Copyright Hogrefe) (BX514_1)

Variable label	Social support personal environment: Item 9 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_1

Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 9**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F-SozU K-14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.2.59 Social support personal environment: Item 7 of F-SozU K14 (Copyright Hogrefe) (BX514_2)

Variable label	Social support personal environment: Item 7 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_2
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly
Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 7**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F-SozU K-14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.2.60 Social support personal environment: Item 4 of F-SozU K14 (Copyright Hogrefe) (BX514_3)

Variable label	Social support personal environment: Item 4 of F-SozU K14 (Copyright Hogrefe)
Variable name	BX514_3
Values	1 does not apply to me at all 2 3 4 5 applies to me perfectly

Question	To what extent do the following statements apply to your personal environment? For your rating, please use a scale from 1 "does not apply to me at all" to 5 "applies to me perfectly". **Item 4**
Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Social support personal environment
Source	F-SozU K-14 – © Hogrefe, Fydrich et al., 2007

Tab. 10.2.61 School-leaving qualification (BX700a)

Variable label	School-leaving qualification
Variable name	BX700a
Values	1 special needs school qualification 2 general secondary school qualification/primary school qualification 3 polytechnic secondary school (POS) 8th grade qualification (former East German school-leaving qualification) 4 extended general secondary school qualification 5 intermediate secondary school certificate, entrance qualification for specialised upper secondary school 6 polytechnic secondary school (POS) 10th grade qualification (former East German school-leaving qualification) 7 entrance qualification for universities of applied sciences 8 university entrance qualification 9 extended secondary school (EOS) (former East German school-leaving qualification) 10 foreign school-leaving qualification 11 other school-leaving qualification 12 no school-leaving qualification
Additional details	Generated, from the question BX700apre, BX700a, BX700b. The information was checked against that from the previous wave (BX700apre). If no school-leaving qualification was acquired since the last interview, that information was taken over from the previous wave. Information on the equivalence of foreign qualifications from BX700b were transferred to the corresponding categories in BX700a.

Question	BX700apre: Lastly, I have few general questions for you. In the last interview, you told us that your highest general school-leaving qualification is [PRE_Schulabschluss]. Have you acquired another, higher school-leaving qualification since the last interview? BX700a: If no valid preload available (BX700apre≠1,2,3,999997,999998): Lastly, I have few general questions for you. What is your highest general education school-leaving qualification? If previous preload on school-leaving qualification not confirmed (BX700apre=1,3,999997,999998): What is your highest general school-leaving qualification? BX700b: Which German school-leaving qualification does this correspond to?
Instructions for interviewers	BX700a: Have person name the school-leaving qualification. Read out response options only if required. One response only! General education schools are schools, e.g., general secondary school, intermediate secondary school, grammar school, which impart general knowledge in contrast to the specialised knowledge imparted in vocational schools.
Concept	Socio-demographics

Tab. 10.2.62 Vocational qualification (BX700c)

Variable label	Vocational qualification
Variable name	BX700c
Values	1 apprenticeship – company-based apprenticeship 2 school-based apprenticeship, e.g., vocational or commercial school 3 vocational school, master (craftsperson) school, technical college, vocational academy/college 4 university of applied sciences degree 5 university degree 6 doctorate 7 another qualification 8 no vocational qualification
Additional details	Generated, from question BX700cpre, BX700c. The information was checked against that from the previous wave (BX700cpre). If no vocational qualification was acquired since the last interview, that information was taken over from the previous wave.
Question	BX700cpre: If (applied sciences) university entrance qualification existed at previous interview (PRE_Schulabschluss=8,9): Lastly, I have few general questions for you. In the last interview,

	you stated that you [PRE_Ausbildung]. Since the last interview in [PRE_ Intdatum], have you acquired a[n] [if PRE_Ausbildung=1,2,3,4,5,6: additional, higher] vocational qualification? If (applied sciences) university entrance qualification not present at previous interview (PRE_Schulabschluss≠8,9): In the last interview, you stated that you [PRE_Ausbildung]. Since the last interview in [PRE_ Intdatum], have you acquired a[n] [if PRE_Ausbildung=1,2,3,4,5,6: additional, higher] vocational qualification? BX700c: What is currently your highest qualification?
Instructions for interviewers	BX700cpre: This does not refer to further training and development measures that do not result in acquiring an additional higher vocational certification. BX700c: Only read out response categories if required! If required: This refers to professional certifications, general education school-leaving qualifications are not to be recorded here. If required: Vocational qualification does not include traineeships, internships, and vocational preparation, or vocational preparation schemes.
Concept	Socio-demographics

Tab. 10.2.63 Marital status (BX701)

Variable label	Marital status
Variable name	BX701
Values	1 married 2 single 3 divorced 4 widowed 5 civil partnership

Question	If (applied science) university entrance qualification and doctorate present at last interview (PRE_Schulabschluss=8,9 and PRE_Ausbildung=6): Lastly, I have few general questions for you. What is your marital status?
	
	If (applied science) university entrance qualification and/or doctorate not present at last interview (PRE_Schulabschluss≠8,9 or PRE_Ausbildung≠6): What is your marital status?

Concept	Socio-demographics

Tab. 10.2.64 Married/civil partnership: living together with partner (BX702)

Variable label	Married/civil partnership: living together with partner
Variable name	BX702
Values	1 yes 2 no
Question	Do you live together with your partner?
Filter question	If married or in civil partnership (BX701=1,5)
Concept	Socio-demographics

Tab. 10.2.65 Living together with partner (BX703)

Variable label	Living together with partner
Variable name	BX703
Values	1 yes 2 no
Question	Do you live together with a partner?
Filter question	If single, divorced, widowed, or separated (BX701=2,3,4,999997,999998 or BX702=2)
Concept	Socio-demographics

Tab. 10.2.66 Partner: employment (BX704)

Variable label	Partner: employment
Variable name	BX704
Values	1 yes 2 no
Question	Is your partner currently in employment?
Filter question	If living together with partner (BX702=1 or BX703=1)
Concept	Socio-demographics

Tab. 10.2.67 Partner: average weekly working hours (BX705)

Variable label	Partner: average weekly working hours
Variable name	BX705
Values	1.0 to 120.0 999996 irregular working hours
Additional details	Hours per week, one decimal place, rounded to half/full hours. Programming: value range 1 to 120.
Question	How many hours does your partner normally work on average per week – including regular overtime, extra work, emergency-response duty, etc.?
Instructions for interviewers	If target person can only specify a range of "from to hours", please enter the average value
Filter question	If cohabitating partner is in employment (BX704=1)
Concept	Socio-demographics

Tab. 10.2.68 Household: persons under the age of 18 (BX803)

Variable label	Household: persons under the age of 18
Variable name	BX803
Values	1 yes 2 no
Question	If target person older than 18: Do children under the age of 18 live in your household? If target person younger than 18: Besides yourself, do other persons under the age of 18 live in your household?
Instructions for interviewers	Do not read out response categories. This includes all persons under the age of 18 in the household.
Filter question	If multi-person household (BX800>1)
Concept	Socio-demographics

Tab. 10.2.69 Household size_coarsened (BX800_vgr)

Variable label	Household size_coarsened
Variable name	BX800_vgr
Values	1 to 6 999995 more than 6 persons 999996 no permanent residence
Additional details	Generated from household size (BX800). **Topcoding:** (7 THRU 150 = 999995)
Question	How many persons currently live in your household, including children and yourself?
Instructions for interviewers	If required: All children living in the household, including foster children, stepchildren, and adopted children. If the target person has more than one household, please select the household at the primary residence as the reference point.
Concept	Socio-demographics

Tab. 10.2.70 Age youngest child (BX804)

Variable label	Age youngest child
Variable name	BX804
Values	1 to 17 999996 child under the age of one
Additional details	Programming: value range 1–17
Question	How old is the youngest child in the household?
Instructions for interviewers	If child is under the age of one, please use button.
Filter question	If persons younger than 18 in the household (BX803=1)
Concept	Socio-demographics

Tab. 10.2.71 Caring for children_frequency (BX804a)

Variable label	Caring for children_frequency
Variable name	BX804a
Values	1 daily 2 several times per week 3 several times per month 4 less often 5 never
Question	How often do you look after or care for children and grandchildren from your personal environment? Is it daily, several times per week, several times per month, less often, or never?
Instructions for interviewers	This also includes own children
Concept	Socio-demographics
Source	based on EWCS

Tab. 10.2.72 Care_frequency (BX804b)

Variable label	Care_frequency
Variable name	BX804b
Values	1 daily 2 several times per week 3 several times per month 4 less often 5 never
Question	How often do you look after or care for elderly, disabled, or long-term ill persons from your personal environment? Is it daily, several times per week, several times per month, less often, or never?
Concept	Socio-demographics
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.2.73 Household income: making ends meet (BX809)

Variable label	Household income: making ends meet
Variable name	BX809
Values	1 very easily 2 3 4 5 with great difficulties
Question	If you think of your household's total monthly income, is your household able make ends meet? For your rating, please use a scale from 1 "very easily" to 5 "with great difficulties".

Instructions for interviewers	If required: Use the intermediate values to weigh your rating.
Concept	Socio-demographics
Source	based on European Working Conditions Surveys 2010 – Eurofound, 2010

Tab. 10.2.74 Citizenship_grouped (BX810_2K)

Variable label	Citizenship_grouped
Variable name	BX810_2K
Values	1 German 2 not German
Additional details	Generated from citizenship (BX810, BX810a, PRE_Staatsangehörigkeit). It is recorded using a list of countries (BX810, Code 71: Germany) and, if required, using additional free-form responses (BX810a). If valid information on citizenship from previous wave was available, that information was taken over for this variable without checking it again. **Coarsening:** (71=1) (999997=999997) (999998=999998) (ELSE=2)
Question	BX810: What citizenship do you have?
Instructions for interviewers	BX810_a: Please record open response on additional citizenship
Concept	Socio-demographics

Tab. 10.2.75 Possession of additional citizenship (BX810_1b)

Variable label	Possession of additional citizenship
Variable name	BX810_1b
Values	1 yes 2 no
Additional details	Generated from possession of additional citizenship (CX810_1b, PRE_WeitStaat). If valid information on additional citizenship from previous wave, that information was taken over for this variable without checking it again.
Question	BX810_1b: Do you have another citizenship?
Concept	Socio-demographics

Tab. 10.2.76 Additional citizenship_grouped (BX810_2_2K)

Variable label	Additional citizenship_grouped
Variable name	BX810_2_2K
Values	1 German 2 not German
Additional details	Generated from additional citizenship (BX810_2, BX810_3, PRE_WeitStaat). It is recorded using a list of countries (BX810_2, Code 71: Germany) and, if required, using additional free-form responses (BX810_3). If valid information on additional citizenship from previous wave was available, that information was taken over for this variable without checking it again. **Coarsening:** (71=1) (999997=999997) (999998=999998) (SYSMIS=999999) (ELSE=2)
Question	BX810_2: What other citizenship do you have?
Instructions for interviewers	BX810_3: Please record open response on additional citizenship
Filter question	If additional citizenship present (BX810_1b=1)
Concept	Socio-demographics

Tab. 10.2.77 Panel participation willingness (BX900)

Variable label	Panel participation willingness
Variable name	BX900
Values	999999 filter missing
Additional details	Enquiry about panel participation willingness via telephone for refreshers (1 TP gives approval 2 TP refuses approval)
Filter question	Refreshers only. The question was not asked in the short questionnaire (panel cases only)

Tab. 10.2.78 Federal state_coarsened (BXbland_14K)

Variable label	Federal state_coarsened
Variable name	BXbland_14K
Values	1 Baden-Württemberg 2 Bavaria 3 Berlin 4 Brandenburg 5 Hamburg 6 Hessia 7 Mecklenburg–Western Pomerania 8 Lower Saxony and Bremen 9 North Rhine-Westphalia

	10 Rhineland-Palatinate and Saarland 11 Saxony 12 Saxony-Anhalt 13 Schleswig-Holstein 14 Thuringia
Additional details	Generated from postal code (BX813, BX813pre, BX814). **Coarsening to German federal states, merging of Lower Saxony and Bremen as well as Rhineland-Palatinate and Saarland.** Persons who did not provide information on postal code were assigned a filter missing (999999).
Question	BX813pre: In the last survey, you stated that your postal code is [PRE_Plz]. Is this postal code still correct? BX813: If preload not correct (BX813pre=2,3,999997,99998): Would you please tell me the postal code of your current place of residence? If no valid information from previous wave (PRE_Plz =NA): Would you please tell me the postal code of your place of residence? This information is used only to assign the results to certain regions or area types. All data are analysed only in anonymised form. Naturally, the information you provide is voluntary. However, it is important for the success of the study.
Instructions for interviewers	BX813: If target person is only willing to provide less than 5 digits, use the appropriate button. BX814: Enter the first 4, 3, 2, or the first postal code as specified by the TP.
Concept	Socio-demographics

Tab. 10.2.79 Longitudinal weight Wave 2 (LSGewichtW2)

Variable label	Longitudinal weight Wave 2
Variable name	LSGewichtW2
Values	0.08 to 23.37
Additional details	Generated, weighting factor for longitudinal analyses. Available for all cases that were interviewed in the 2015 survey wave. For details on how the weighting is created, see the methodology report (Häring et al., 2018).

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List of tables