



**TwinLife**

## **Codebook**

### **TwinLife Covid-19 Supplementary Survey 3**

#### **CoV 3, subsamples a and b (data collection 2021)**

Scientific Use File ZA6701\_person\_cov3

Version 8.0.0, June 2024



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## 1 How to use the codebook

The codebook includes information and frequencies of all variables that are included in the Scientific Use File of TwinLife. The variables are sorted alphabetically within content-related chapters. The codebook documents the following information for these variables: variable name, variable label, question text (from the major survey instrument - although the question text is usually identical in all survey modes, it may differ in some cases), categories (including the value labels), frequencies, data collections the variable was surveyed in, filter conditions based on the instruments used for the variable, and sources for additional information. The variable label includes information on age groups and person types surveyed. This information serves as rough orientation; for detailed filter conditions of the variable within the instrument/questionnaire, please see the filter conditions documented below the frequency table. Please note: For metric variables or variables with many categories, no frequencies are documented (except for missing categories) in order to avoid long lists of categories. The codebook is based on cross-sectional data.

## 2 Study description

TwinLife is an interdisciplinary longitudinal study that combines perspectives of psychological and sociological theories with behavioral genetic research. The aim of TwinLife is to examine the interplay of the genetic and environmental mechanisms that influence social inequalities over the life course. The study focuses on education and academic performance, career and labor market attainment, integration and participation in social, cultural and political life, quality of life and perceived capabilities, physical and psychological health as well as behavioral issues and deviant behavior. Therefore, more than 4,000 mono- and dizygotic twin couples from four birth cohorts and their families are interviewed alternately in person and by telephone every year. The population of the TwinLife study are families with same-sex twins in Germany who were 5, 11, 17, and 22-24 years old at the first interview in 2014 or 2015. Thus, birth cohorts are defined as follows:

subsample A: - cohort 1: 2009 - cohort 2: 2003 - cohort 3: 1997 - cohort 4: 1990/1991

subsample B: - cohort 1: 2010 - cohort 2: 2004 - cohort 3: 1998 - cohort 4: 1992/1993

More detailed information you can find on our documentation website <https://www.twin-life.de/documentation/>.

## 3 COVID-19 Supplementary Survey (Cov 3)

The third COVID-19 survey was conducted as part of the repeated saliva sample collection. Thus, only family members who had already provided a saliva sample in F2F3 were eligible to participate. The third supplemental COVID-19 survey aimed to capture current attitudes, stresses, health, and socioeconomic changes due to the COVID-19 pandemic.

The field period for CoV3 was from September 25, 2021 to December 1, 2021 (both subsamples). Sub-sample A includes 631 families. Sub-sample B includes 543 families. Thus, a total of 1,174 families participated in the CoV 3 survey.

Target persons (with saliva sample only) include:

- both twins
- parents of the twins
- one sibling

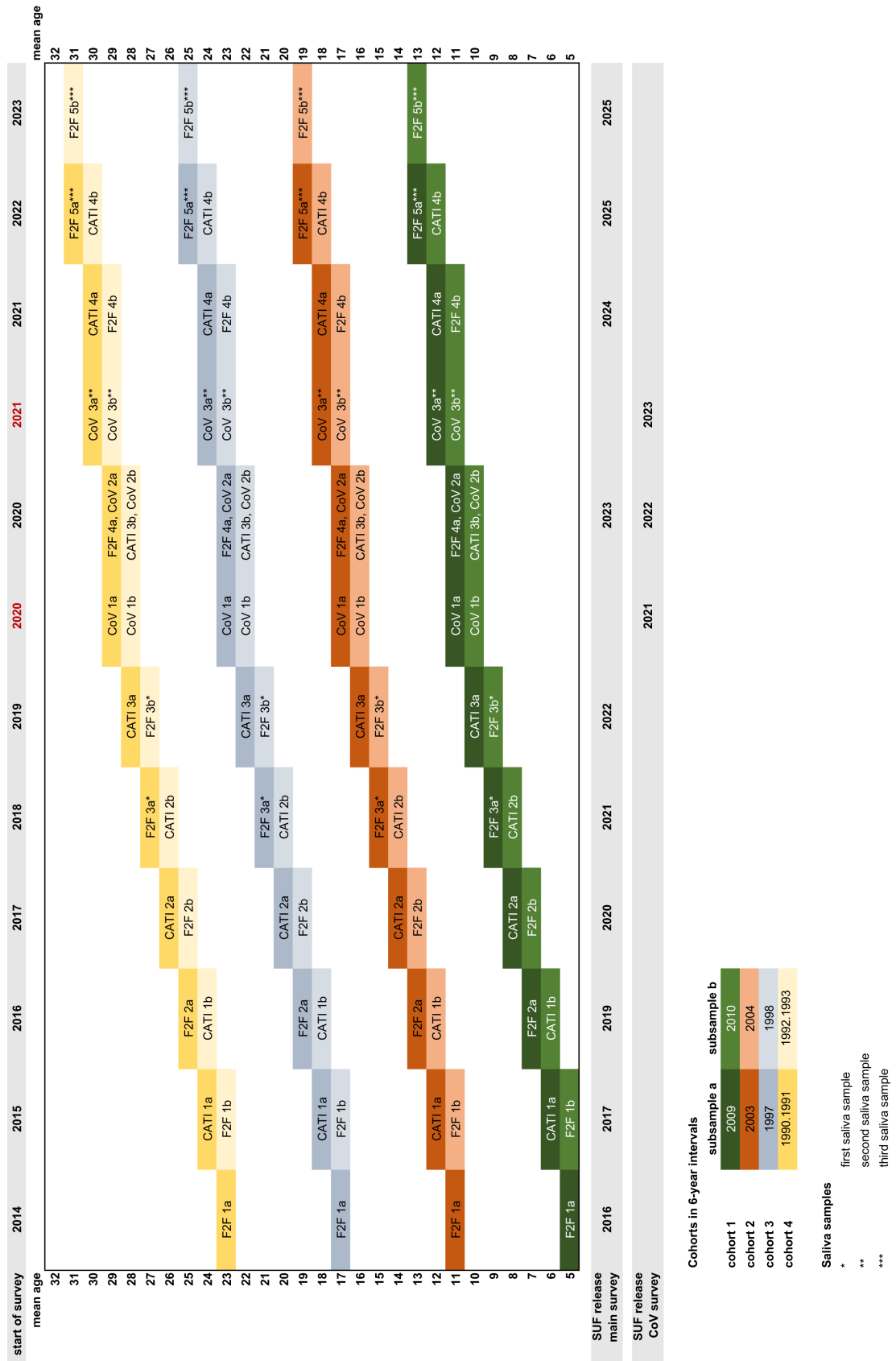


Figure 1: Overview of data collections in TwinLife

## 4 Identifiers: IDs on wave, family, household and individual level

This chapter contains information on: identifier on family level; identifier on individual level; wave identifier.

### fid – family ID (scientific use file)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

*Filter based on instrument:* always asked/always generated

### pid – person ID (scientific use file)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

*Filter based on instrument:* always asked/always generated

### wid – data collection ID - consecutively numbered (gen)

---

1	1: F2F 1	0
2	2: CATI 1	0
3	3: F2F 2	0
4	4: CATI 2	0
5	5: F2F 3	0
6	6: CATI 3	0
7	7: F2F 4	0
8	8: CATI 4	0
9	9: F2F 5	0
10	10: COVID-19 Supplementary Survey (Cov 1)	0



11	11: COVID-19 Supplementary Survey (Cov 2)	0
12	12: COVID-19 Supplementary Survey (Cov 3)	3607
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

## 5 Identifiers: Indicator and sample variables

This chapter contains information on: person types; sample information; wave identifier.

### cgr – twin birth cohort

---

1	1: twins born 2009/2010	1183
2	2: twins born 2003/2004	1178
3	3: twins born 1997/1998	710
4	4: twins born 1990-1993	536
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

### ptyp – type of respondent

---

1	1: firstborn twin - t	919
2	2: secondborn twin - u	874
110	110: partner of first interviewed twin - p	0
120	120: partner of second interviewed twin - q	0
200	200: sibling - s	300
201	201: sibling not participating	0
300	300: mother - m	880
400	400: father - f	634
500	500: partner of mother - g	0
600	600: partner of father - n	0
700	700: other person (not surveyed)	0

800	800: unknown person type	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3  
*Filter based on instrument:* always asked/always generated

### wav0100 – subsample (gen)

---

1	1: Sample A (start 2014/15)	1942
2	2: Sample B (start 2015/16)	1665
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3  
*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

**wav0100** specifies to which subsample of the whole TwinLife sample a family belongs: a (whose survey started in 2014/2015) or b (whose survey started in 2015/2016). For details about the survey and sampling design of TwinLife, see the methodology report of the first TwinLife survey wave ([URL Link](#)).

## 6 Socio-demographics

This chapter contains information on: ; socio-demographic information.

### age0100 – age in years on the date of the family questionnaire (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0

-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0100** gives the age in years to the nearest month at the time of the family questionnaire. This means that the actual date of birth was set to the first day of the month and then the age was calculated. For reasons of data protection, the age in years to the day on the date of the family questionnaire (without change of the day of birth, as in **age0110**) cannot be released in the scientific use file. However, **age0110** is used to filter the questions. In most cases, **age0100** and **age0110** are identical. All age variables are based on the respondent's date of birth. This specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In the case of inconsistencies in an individual's date of birth, the most frequently given date of birth is used. If two dates of birth are equally frequent, the most recent is taken. Note that **age0100** in Cov3 is the age at the time of the individual questionnaire, as no family questionnaire is available in the Corona supplement.

### **age0101** – age in months on the date of the family questionnaire (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; F2F 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0101** gives the age in months at the time of the family questionnaire, rounded up to the nearest month. This means that the actual date of birth was set to the first day of the month and then the age in months was calculated. All age variables are based on the date of birth given by the respondent. This specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In the case of inconsistencies in an individual's date of birth, the most frequently given date of birth is used. If two dates of birth are equally frequent, the most recent is taken. Note that **age0101** in Cov3 is the age at the time of the individual questionnaire, as no family questionnaire is available in the Corona supplement.

### **age0200** – age in years on 01 January of survey year of subsample (gen)

---

-85	-85: unknown	0
-----	--------------	---

-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; F2F 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0200** specifies the age in years at January 1st of the (main) survey year of the subsample. The survey year is defined uniformly for the entire subsample in each wave, although in reality it may differ across families (see variable **yea\_fq**). The defined survey years are: F2F 1 subsample a: 2015; F2F 1 subsample b: 2016; CATI 1a: 2016; CATI 1b: 2017; F2F 2a: 2017; F2F 2b: 2018; CATI 2a: 2018; CATI 2b: 2019. All age variables are based on the date of birth provided by the respondent. The specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In cases of inconsistent birth date information of an individual, the the most frequently cited date of birth is adopted. If two dates of birth were mentioned equally often, the latest specification is adopted.

**age0201** – age in months on 01 January of survey year of subsample (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; F2F 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0201** specifies the age in months at January 1st of the (main) survey year of the subsample. The survey year is defined uniformly for the entire subsample in each wave, although in reality it may differ across families (see variable **yea\_fq**). The defined survey years are: F2F 1 subsample a: 2015; F2F 1 subsample b: 2016; CATI 1a: 2016; CATI 1b: 2017; F2F 2a: 2017; F2F 2b: 2018; CATI 2a: 2018; CATI 2b: 2019. All age variables are based on the date of birth provided by the respondent. The specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In cases of inconsistent birth date information of an individual, the the most frequently cited date of birth is adopted. If two dates of birth were mentioned equally often, the latest specification is adopted.

**age0400** – age in years prior to start of survey CoV1 (gen)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CoV 1; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0400** is specified as the age in years prior to the start of the CoV1 survey, which is defined as June 1st 2020.

**sex** – sex

1	1: male	1577
2	2: female	2030
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

In each face-to-face survey, there is an option to correct the gender of family members. In general, the last reported gender is included in the dataset. In the F2F4 questionnaire, the gender category 'divers' (third gender) has been introduced. However, as gender is a quasi-identifying attribute, the third category is not provided in the SUF for data protection reasons, as this category has rarely been selected so far. Changes in the gender identity of twins are also not reported in the SUF for data protection reasons.

## 7 Family structure and household characteristics

This chapter contains information on: characteristics of family members (name, age, gender of twins; name, age, gender and relation to twins of siblings and parents who don't live in household; partners of twins).

**fpr0107** – relation to the twins

---

11	11: firstborn twin	920
12	12: secondborn twin	873
21	21: biological mother	880
22	22: biological father	634
23	23: adoptive mother	0
24	24: adoptive father	0
25	25: foster mother	0
26	26: foster father	0
28	28: non-biological father, pregnancy by semen donor	0
31	31: partner of mother	0
32	32: partner of father	0
41	41: full biological sibling (both parents are the same as twins)	287
42	42: half sibling (mother is the same as twins)	10
43	43: half sibling (father is the same as twins)	0
44	44: half sibling (one of the parents is the same as twins, which one is unknown)	3
...	(5 rows omitted)	0
61	61: partner of firstborn twin	0
62	62: partner of secondborn twin	0
71	71: other relative	0
72	72: other non-relative	0
81	81: child of firstborn twin	0
82	82: child of secondborn twin	0
90	90: unknown relationship to twins	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

Please note: biological siblings can also be adopted or foster siblings in TwinLife. For this reason, no corrections will be made if the mother's age, the sibling's birth year and the information in fpr0107 together seem implausible.

## 8 Migration and citizenship

This chapter contains information on: year of immigration, country of birth, residential status, language spoken at home.

**mig0520** – german citizenship available (gen)

---

1	1: yes	3512
2	2: no	86
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	3
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	6
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**mig0520**, which is part of the master file of the Scientific Use File, includes all available information on the personal level and displays whether the individual has the German citizenship or not (1: yes or 2: no). In the first face-to-face data collection (F2F 1) the citizenship was surveyed in a multicoding format as a self-report and a proxy-report of parents about their children, offering the respondent to mention one or several citizenships and give open answers (**mig0500(t/u/s)** - **mig0519(t/u/s)**). In the second face-to-face data collection (F2F 2), it was explicitly asked for the first citizenship as well as for the second citizenship, if applicable (including the offering of an open answer). The corresponding variables are **mig0550(t/u/s)** - **mig0553(t/u/s)**. The citizenship was surveyed of all respondents in both F2F 1 and F2F 2. It is stored, like the other migration variables, as constant variable in the master. In cases where the information given in F2F 2 differed from the one given in F2F 1, the latest information was used for the generation of **mig0520**.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Lebenslauffragebogen, Altstichproben [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Life Course Questionnaire, Age Samples] (237: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig0620** – German citizenship since (year) (gen)

9996	9996: since birth	3230
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	21
-92	-92: no participation in survey module	29
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	193
-98	-98: don't know	13
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**mig0620** indicates the year in which German citizenship was granted. **mig0620** was generated on the basis of **mig0600** (self-reports) and **mig0600[t,u,s]** (parents' proxy statements) from



F2F1 and, in the case of newly interviewed siblings, on the basis of *mig0600s* from F2F2. In *mig0620*, missing or even valid values for year of citizenship from F2F1 were replaced by valid information on year of citizenship from F2F2. This is only the case for a small number of siblings. Missing information on *mig0620* when German citizenship is available can be explained by the fact that certain persons did not receive the question, i.e. Alteri in F2F1, persons who were asked about their citizenship for the first time in F2F2 or later, or person who were asked about their citizenships in F2F2 again.

*TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Lebenslauffragebogen, Altstichproben [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Life Course Questionnaire, Age Samples] (237: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]*

### **mig2000** – country of birth (gen)

---

1	1: Germany	3342
2	2: Turkey	5
3	3: Africa	4
4	4: Arabic-islamic world	7
5	5: Asia	6
6	6: Latin America	12
7	7: North America and Australia	10
8	8: Western Europe	34
9	9: Eastern Europe	51
10	10: Southern Europe	15
11	11: Western Balkan	8
12	12: Former Sovjet Union	48
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	28
-92	-92: no participation in survey module	5
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	31
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the self-reports and the proxy-reports of parents about their children were integrated into **mig2000**. Please note that proxy information by the twins or the sibling about the country of birth of their parents



is *not* used for the generation of **mig2000** (e.g. **mig0300** for the generation of **mig2000** of the twin's mother, etc.). The treatment of missing values is addressed in **mig3000**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins about their country of birth are not harmonized. In about 20 cases/twin pairs the given information differs between the twins. The treatment of contradicting information is addressed in **mig3000**. **mig2000** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig2001** – born in the GDR (gen)

0	0: not born in the GDR	3317
1	1: born in the GDR	225
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	28
-92	-92: no participation in survey module	5
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	31
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0100** contains the answer on the question 'What country you were born in?'; 2 is the answer 'Germany, former GDR'. **mig0101** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```
replace mig2001 = 1 if (mig0100 == 2 | mig0101 == 'Ostdeutschland' | mig0101 == 'DDR')
3738,11232)
```

```
replace mig2001 = 0 if (mig0100 == 2 | mig0101 == 'Ostdeutschland' | mig0101 == 'DDR')
3738,11232)
```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2100** – country of birth of respondent's mother (gen)

1	1: Germany	1834
2	2: Turkey	24
3	3: Africa	5
4	4: Arabic-islamic world	11
5	5: Asia	7
6	6: Latin America	12
7	7: North America and Australia	3
8	8: Western Europe	50
9	9: Eastern Europe	124
10	10: Southern Europe	21
11	11: Western Balkan	13
12	12: Former Sovjet Union	57
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	35
-92	-92: no participation in survey module	10
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1398
-98	-98: don't know	3
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the proxy-reports of the twins and the sibling about their parents were integrated into **mig2100** and **mig2200**. Please note that self-reports of the parents about the country of their birth are *not* used for the generation of **mig2100** and **mig2200** (e.g. **mig0100** of the twins' mother for the generation of **mig2100**, etc.). For an extension of the generation, see **mig3100** and **mig3200**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins and the sibling about the country of birth of their parents are not harmonized. In about 30 cases the given information differs between the siblings. The treatment of contradicting information is addressed in **mig3100** and **mig3200**. **mig2100** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2101** – born in the GDR - respondent's mother (gen)

0	0: not born in the GDR	1930
1	1: born in the GDR	231
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	35
-92	-92: no participation in survey module	10
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1398
-98	-98: don't know	3
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0300** contains the answer on the question 'What country was your mother born in?'; 2 is the answer 'Germany, former GDR'. **mig0301** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```
replace mig2101 = 1 if (mig0300 == 2 | mig0301 == 'Ostdeutschland' | mig0301 == 'DDR')
& inrange(gebdatg,-3738,11232)
replace mig2101 = 0 if (mig0300 == 2 | mig0301 == 'Ostdeutschland' | mig0301 == 'DDR')
& !inrange(gebdatg,-3738,11232)
```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2200** – country of birth of respondent's father (gen)

1	1: Germany	1803
2	2: Turkey	21
3	3: Africa	3
4	4: Arabic-islamic world	10
5	5: Asia	9
6	6: Latin America	11
7	7: North America and Australia	8
8	8: Western Europe	42
9	9: Eastern Europe	156
10	10: Southern Europe	27
11	11: Western Balkan	16

12	12: Former Sovjet Union	53
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	35
-92	-92: no participation in survey module	7
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1398
-98	-98: don't know	7
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the proxy-reports of the twins and the sibling about their parents were integrated into **mig2100** and **mig2200**. Please note that self-reports of the parents about the country of their birth are *not* used for the generation of **mig2100** and **mig2200** (e.g. **mig0100** of the twins' father for the generation of **mig2200**, etc.). For an extension of the generation, see **mig3100** and **mig220g**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins and the sibling about the country of birth of their parents are not harmonized. In about 30 cases the given information differs between the siblings. The treatment of contradicting information is addressed in **mig3100** and **mig3200**. **mig2200** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). *SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]*

### **mig2201** – born in the GDR - respondent's father (gen)

---

0	0: not born in the GDR	1945
1	1: born in the GDR	214
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	35
-92	-92: no participation in survey module	7
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1398
-98	-98: don't know	7
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0400** contains the answer on the question 'What country was your father born in?'; 2 is the answer 'Germany, former GDR'. **mig0401** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```
replace mig2201 = 1 if (mig0400 == 2 | mig0401 == 'Ostdeutschland' | mig0401 == 'DDR')
& inrange(gebdatg, -3738, 11232)
replace mig2201 = 0 if (mig0400 == 2 | mig0401 == 'Ostdeutschland' | mig0401 == 'DDR')
& !inrange(gebdatg, -3738, 11232)
```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig3000** – country of birth - extended (gen)

---

1	1: Germany	3356
2	2: Turkey	4
3	3: Africa	4
4	4: Arabic-islamic world	7
5	5: Asia	6
6	6: Latin America	11
7	7: North America and Australia	10
8	8: Western Europe	34
9	9: Eastern Europe	51
10	10: Southern Europe	14
11	11: Western Balkan	7
12	12: Former Sovjet Union	48
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	21
-92	-92: no participation in survey module	3
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	30
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

*Generated variable*

The variable **mig3000** is an extended and harmonized version of **mig2000** and combines all available information on respondents' country of birth. For those cases where the parents' self-report is not available, the information provided by the twins or the sibling about their biological parents' countries of birth is used (e.g. **mig2100** for the generation of **mig3000** of the twin's mother, etc.). If the twins' and the sibling's statements about their parents' countries of birth differ, the statement that is shared by two out of the three is designated as the parent's country of birth. Missing information of one of the twins is filled in with the information of the other twin. If the information about the twins' country of birth is contradicting, Germany is designated as the country of birth if at least one twin indicated to be born in Germany. The value -81 (contradictory information) is assigned for cases with no unambiguous information about the twins' country of birth.

**mig3000** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig3100** – country of birth of respondent's mother - extended (gen)

1	1: Germany	3017
2	2: Turkey	32
3	3: Africa	10
4	4: Arabic-islamic world	18
5	5: Asia	16
6	6: Latin America	28
7	7: North America and Australia	3
8	8: Western Europe	68
9	9: Eastern Europe	168
10	10: Southern Europe	32
11	11: Western Balkan	23
12	12: Former Sovjet Union	111
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	14
-92	-92: no participation in survey module	4
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	60
-98	-98: don't know	3
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

*Generated variable*

The variable **mig3100** is an extended and harmonized version of **mig2100** and combines all available information on the country of birth of the respondent's mother. For the twins and the sibling, the self-reported country of birth of their biological mother (i.e. **mig2000**) is used for the generation of **mig3100**. For those cases where there is no self-reported information



available, the proxy-information provided by the twins or the sibling is used instead (i.e. **mig2100**). If the twins' and the sibling's statements about their mother's country of birth differ, the statement that is shared by two out of the three is designated as the mother's country of birth. If there is no unambiguous information about the mother's country of birth, the value -81 (contradictory information) is assigned.

**mig3100** is stored in the master data set.

*Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]*

### **mig3200** – country of birth of respondent's father - extended (gen)

---

1	1: Germany	2851
2	2: Turkey	29
3	3: Africa	11
4	4: Arabic-islamic world	20
5	5: Asia	13
6	6: Latin America	19
7	7: North America and Australia	11
8	8: Western Europe	70
9	9: Eastern Europe	175
10	10: Southern Europe	35
11	11: Western Balkan	27
12	12: Former Sovjet Union	82
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	15
-92	-92: no participation in survey module	4
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	237
-98	-98: don't know	7
-99	-99: not specified (refused to answer)	1

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

The variable **mig3200** is an extended and harmonized version of **mig2200** and combines all available information on the country of birth of the respondent's father. For the twins and the sibling, the self-reported country of birth of their biological father (i.e. **mig2000**) is used for the generation of **mig3200**. For those cases where there is no self-reported information available, the proxy-information provided by the twins or the sibling is used instead (i.e. **mig2200**). If the twins' and the sibling's statements about their father's country of birth differ, the statement that is shared by two out of three is designated as the father's country of birth. If there is no unambiguous information about the father's country of birth, the value -81 (contradictory information) is assigned. **mig3200** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig4000** – migration background (t,u,s, up to the 3rd generation) (gen)

---

0	0: no migration background	1311
1	1: 1st generation	46
2	2: 2nd generation	328
3	3: 3rd generation	341
-86	-86: not available/empty/not codable	20
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	21
-92	-92: no participation in survey module	3
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1536
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig4000** is based on **mig3000**, **mig3100**, and **mig3200** and contains information on the twins and the sibling's migration background up to the third generation. The variable indicates whether the twins' or the sibling were born in Germany (0); born abroad (1); have no personal migration but migration of at least one parent (2); no personal nor migration of either parent but migration of at least one grandparent (3). The migration background was constructed for twins with at least one (grand-)parental information available. In cases where the information on the country of birth is contradicting but it is known that the respondent is born abroad, the information about the foreign birth is used without considering the particular country. Twins and siblings with missing information on both parents or all grandparents were assigned the value -86 (not available/empty/not codable). Please note, **mig4000** only considers information about biological parents. The variable is stored in the master data set.

Source: Adapted from: Olczyk, M., Will, G., & Kristen, C. (2016). Immigrants in the NEPS: Identifying generation status and group of origin (No. 4; NEPS Survey Paper). Leibniz Institute for Educational Trajectories, National Educational Panel Study. [URL link]

### **mig4100** – migration background (up to the 2nd generation) (gen)

---

0	0: no migration background	2785
1	1: 1st generation	196
2	2: 2nd generation	511
-86	-86: not available/empty/not codable	60
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	21



-92	-92: no participation in survey module	3
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	30
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig4100** is based on **mig3000**, **mig3100**, and **mig3200** and contains information on respondents' migration background up to the second generation. The variable indicates whether respondents were born in Germany (0); born in a country other than Germany (1); or have no personal migration but migration of at least one parent (2). The migration background was constructed for respondents with at least one parental information available. In cases where the information on the country of birth is contradicting but it is known that the respondent was born abroad, the information about the foreign birth is used without considering the particular country. Respondents with missing information on both parents were assigned the value -86 (not available/empty/not codable). Please note, **mig4100** only considers information about biological parents. The variable is stored in the master data set. Source: Adapted from: Olczyk, M., Will, G., & Kristen, C. (2016). *Immigrants in the NEPS: Identifying generation status and group of origin* (No. 4; NEPS Survey Paper). Leibniz Institute for Educational Trajectories, National Educational Panel Study. [URL link]

## 9 Zygosity questionnaire

This chapter contains information on: zygosity.

### zyg0102 – zygosity: result questionnaire and DNA in F2F1 (gen)

1	1: monozygotic	1688
2	2: dizygotic	1919
-87	-87: multiple answers	0
-89	-89: no saliva swab test	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **zyg0102** combines the information from the results of the zygosity questionnaire in F2F1 (**zyg0100**) and the DNA samples from F2F1 (**zyg0101**). It is recommended to use the

new variable *zyg0112* as this is updated by the results of the DNA analysis of F2F3. For details regarding the generated zygosity variables, see the Technical Report No. 1 (URL Link).

Lenau, F., & Hahn, E. (2017). *Documentation TwinLife Data: Zygosity (No. 1; TwinLife Technical Report Series). Project TwinLife Genetic and social causes of life chances (Bielefeld University / Saarland University)*. [URL link]; Lenau, F., Hahn, E., Peters, A.-L., Gottschling, J., Thiel, W., & Spinath, F. M. (2017). *Zygosity Determination in Twin Studies A Validation of Zygosity Questionnaires Using DNA in the German TwinLife Study (No. 1; TwinLife Working Paper Series). Project TwinLife Genetic and social causes of life chances (Bielefeld University / Saarland University)*. [URL link]

### **zyg0112** – zygosity: result questionnaire and DNA in F2F1 & F2F3 (gen)

---

1	1: monozygotic	1763
2	2: dizygotic	1844
-87	-87: multiple answers	0
-89	-89: no saliva swab test	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable *zyg0112* combines the information from the results of the zygosity questionnaire in F2F1 (*zyg0100*) and the DNA samples from F2F1 (*zyg0101*) and F2F3 (*zyg0111*). It is recommended to use this updated variable instead of *zyg0102* which does not yet contain the results of the DNA analysis from F2F3. For details regarding the generated zygosity variables, see the Technical Report No. 1 (URL Link).

## **10 Emotional impairment**

This chapter contains information on: depressive symptoms, lack of focus; worrying.

### **emi0120** – psych. impairment (currently): little interest or pleasure (>=16 yr)

---

1	1: not at all	993
2	2: on single days	1619
3	3: more than half of the days	214
4	4: almost every day	82
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0

-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: little interest or pleasure in your activities]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Graefe, K., Zipfel, S., Herzog, W., & Loewe, B. (2004). Screening psychischer Störungen mit dem Gesundheitsfragebogen fuer Patienten (PHQ-D). *Diagnostica*, 50(4), 171-181.

[URL link]

### **emi0121** – psych. impairment (currently): dejection, hopelessness (>=16 yr)

---

1	1: not at all	1412
2	2: on single days	1227
3	3: more than half of the days	204
4	4: almost every day	67
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	6

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: dejection, melancholy or hopelessness]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Graefe, K., Zipfel, S., Herzog, W., & Loewe, B. (2004). Screening psychischer Störungen mit dem Gesundheitsfragebogen fuer Patienten (PHQ-D). *Diagnostica*, 50(4), 171-181.

[URL link]

### **emi0122** – psych. impairment (currently): nervousness, anxiety (>=16 yr)

---

1	1: not at all	1360
2	2: on single days	1240
3	3: more than half of the days	234
4	4: almost every day	76
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0

-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	6

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: nervousness, anxiety or tension]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Spitzer, R. L., Kroenke, K., Williams, J. B. W., & Loewe, B. (2006). A Brief Measure for Assessing Generalized Anxiety Disorder: The GAD-7. *Archives of Internal Medicine*, 166(10), 1092. [URL link]

### emi0123 – psych. impairment (currently): no control over worries (>=16 yr)

---

1	1: not at all	1715
2	2: on single days	922
3	3: more than half of the days	197
4	4: almost every day	71
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	10

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: not being able to stop or control worries]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Spitzer, R. L., Kroenke, K., Williams, J. B. W., & Loewe, B. (2006). A Brief Measure for Assessing Generalized Anxiety Disorder: The GAD-7. *Archives of Internal Medicine*, 166(10), 1092. [URL link]

### emi0124 – psych. impairment (currently): difficulty concentrating (>=16 yr)

---

1	1: not at all	1187
2	2: on single days	1348
3	3: more than half of the days	274
4	4: almost every day	96
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: difficulty concentrating]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Graefe, K., Zipfel, S., Herzog, W., & Loewe, B. (2004). Screening psychischer Störungen mit dem Gesundheitsfragebogen fuer Patienten (PHQ-D). *Diagnostica*, 50(4), 171-181. [URL link]

### emi0125 – psych. impairment (currently): difficulty focusing on goals (>=16 yr)

---

1	1: not at all	1281
2	2: on single days	1270
3	3: more than half of the days	273
4	4: almost every day	83
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CATI 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently feel affected by the following complaints? [item text: difficulty focusing on my goals]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Item developed for TwinLife.

### emi0220 – psych. impairment (recents days): little interest or pleasure (<=15 yr)

---

1	1: not at all	314
2	2: on single days	307
3	3: more than half of the days	43
4	4: almost every day	19
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0

-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	3

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I had little interest or pleasure in the things I did.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15

### emi0221 – psych. impairment (recents days): dejection, hopelessness (<=15 yr)

---

1	1: not at all	438
2	2: on single days	206
3	3: more than half of the days	26
4	4: almost every day	17
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I was depressed, sad, or hopeless.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15

### emi0222 – psych. impairment (recents days): nervousness, anxiety (<=15 yr)

---

1	1: not at all	402
2	2: on single days	237
3	3: more than half of the days	33
4	4: almost every day	9
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	5

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I was nervous, anxious, or tense.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15

### emi0223 – psych. impairment (recents days): no control over worries (<=15 yr)

---

1	1: not at all	294
2	2: on single days	299
3	3: more than half of the days	65
4	4: almost every day	30
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I couldn't stop worrying about different things.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15

### emi0224 – psych. impairment (recents days): difficulty concentrating (<=15 yr)

---

1	1: not at all	253
2	2: on single days	323
3	3: more than half of the days	68
4	4: almost every day	41
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	2

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I had difficulty concentrating.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15



**emi0225** – psych. impairment (recents days): difficulty focusing on goals (<=15 yr)

1	1: not at all	340
2	2: on single days	268
3	3: more than half of the days	47
4	4: almost every day	32
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CATI 4; CoV 3

Question text: [ITEMBAT] How many times have you felt like this in the last few days? [item text: I had difficulty pursuing my goals.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110<=15

## 11 COVID-19 supplementary survey: current socio-economic situation, behavior and health

This chapter contains information on: COVID-19-related behavioral changes, resilience, coping; behavior, attitudes, stresses, and constraints during the Covid-19 pandemic; health during COVID-19 pandemic; perceived threat, stress and burden, psychological impairment; socioeconomic changes.

**cov** – COVID-19 supplementary survey: wave ID

1	1: COVID-19 supplementary survey 2020	0
2	2: COVID-19 supplementary survey 2020/2021	0
3	3: COVID-19 supplementary survey 2021	3607
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated



**cov0101** – corona disease in the household ( $\geq 16$  yr)

1	1: yes	334
2	2: no, nobody	2575
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

Question text: Has anyone in your household ever been infected with coronavirus?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110 $\geq$ 16

Source: Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

**cov0102** – corona quarantine in the household ( $\geq 16$  yr)

1	1: yes	634
2	2: no	1854
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	1022
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	95

Waves: F2F 4; CoV 2; CoV 3

Question text: Has any person in your household ever been placed under officially ordered quarantine since the outbreak of the COVID-19 pandemic in Germany?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110 $\geq$ 16 & cor0101 $\neq$ 1

Source: Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

**cov0103** – corona vaccination obtained ( $\geq 16$  yr)

1	1: yes	2705
2	2: no	198

-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	14

Waves: F2F 4; CoV 3

Question text: Have you been vaccinated against the coronavirus?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

#### cov0104 – full vaccination protection obtained (>=16 yr)

---

1	1: yes	2649
2	2: no	41
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	902
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	14

Waves: F2F 4; CoV 3

Question text: Have you already been fully vaccinated?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0103==1

#### cov0105 – vaccine readiness (>=16 yr)

---

1	1: yes, as soon as this offer exists	26
2	2: yes, but I will wait a little longer	22
3	3: I have not yet decided whether I will get vaccinated	79
4	4: no	67
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	3395
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	16

Waves: F2F 4; CoV 3

Question text: Would you get vaccinated if you were offered a vaccination?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): cor0103==2 | cor0103==-99

### cov0110 – vaccine readiness (t,u,s, <=15 yr)

---

1	1: yes, as soon as this offer exists	215
2	2: I have not decided yet	164
3	3: no	106
4	4: I am already vaccinated	201
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 3

Question text: Would you be vaccinated against Corona if you were offered the vaccine?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

### cov0200 – health: general health has worsened (>=16 yr)

---

1	1: doesn't apply at all	1599
2	2	574
3	3	207
4	4	236
5	5	203
6	6	57
7	7: applies completely	36
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2

-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	5

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] Which of the following statements apply to your health status compared to before the COVID-19 pandemic? You can grade your answers from 1 'not at all true' to 7 'strongly true'. [item text: My general health has deteriorated.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov0201 - health: diseases have worsened (>=16 yr)

---

1	1: doesn't apply at all	2121
2	2	346
3	3	105
4	4	138
5	5	118
6	6	50
7	7: applies completely	31
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	5

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] Which of the following statements apply to your health status compared to before the COVID-19 pandemic? You can grade your answers from 1 'not at all true' to 7 'strongly true'. [item text: Diseases I have suffered from before have worsened.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov0202 - health: avoided regular preventive medical checkups (>=16 yr)

---

1	1: doesn't apply at all	1912
2	2	377
3	3	194
4	4	199
5	5	105
6	6	64

7	7: applies completely	54
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] Which of the following statements apply to your health status compared to before the COVID-19 pandemic? You can grade your answers from 1 'not at all true' to 7 'strongly true'. [itemtext: I avoid regular preventive medical checkups.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov0203 – health: avoided doctor visits for acute illnesses (>=16 yr)

---

1	1: doesn't apply at all	2087
2	2	375
3	3	169
4	4	137
5	5	79
6	6	35
7	7: applies completely	24
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	10

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] Which of the following statements apply to your health status compared to before the COVID-19 pandemic? You can grade your answers from 1 'not at all true' to 7 'strongly true'. [itemtext: I avoid doctor visits for acute illnesses.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov0204 – health: surgery postponed (>=16 yr)

---

1	1: doesn't apply at all	2774
2	2	42
3	3	15
4	4	17
5	5	9
6	6	7
7	7: applies completely	38
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	15

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] Which of the following statements apply to your health status compared to before the COVID-19 pandemic? You can grade your answers from 1 'not at all true' to 7 'strongly true'. [itemtext: A surgery that was scheduled must or had to be postponed.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov0297 - in education or training (>=16 yr)

---

1	1: yes	601
2	2: no	2289
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	27

Waves: CoV 3

*Question text:* Are you currently or were you in education or training at the start of the pandemic (as of March 2020)? In other words, are you (were you) attending a university or college (including doctorate / Ph.D.), or are you (were you) doing vocational training? This also applies to part-time teaching or study programs.

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

**cov0299** – employment status (pandemic): self-employment ( $\geq 16$  yr)

1	1: yes	197
2	2: no	1715
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	1685
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 3

Question text: Are you currently or were you self-employed at the start of the pandemic (as of March 2020)?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200,300,400,500,600)) & age0110 $\geq$ 18 & cor0320==5

**cov0300** – changes in employment status: training/study period extended ( $\geq 15$  yr)

1	1: yes	162
2	2: no	431
-81	-81: does not apply; I am/was not undergoing any vocational training	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	3006
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What applies to you? [itemtext: My training/study period has been extended.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110 $\geq$ 16 & (inlist(pty,1,2,200,300,400,500,600)) & cor0297==1

Item developed for TwinLife.

**cov0303** – changes in employment status: business discontinued ( $\geq 18$  yr)

1	1: yes	4
2	2: no	173
-81	-81: does not apply; I am/was not self-employed	0

-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	3410
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	20

Waves: F2F 4; CoV 2; CoV 3

Question text: What currently applies to you? [itemtext: I had to give up my business.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-

PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=18 & cor0299==1

Item developed for TwinLife.

### cov0304 – changes in employment status: own company threatened in existence (>=18 yr)

1	1: yes	14
2	2: no	165
-81	-81: does not apply; I am/was not self-employed	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	3412
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	14

Waves: F2F 4; CoV 2; CoV 3

Question text: What currently applies to you? [itemtext: My business is threatened in its existence.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-

PAPI): age0110>=18 & (cor0303==2 | cor0303==98 | cor0303==99) & (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov0305 – changes in employment status: short-time work (>=16 yr)

1	1: yes	42
2	2: no	1832
-81	-81: does not apply; I am/was not employed	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	73



Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What currently applies to you? [item text: I am on short-time work.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & (cor0320==5 & (inlist(ptyp,1,2,200,300,400,500,600)))

Item developed for TwinLife.

### cov0306 – changes in employment status: change of occupation (>=16 yr)

---

1	1: yes	188
2	2: no	1711
-81	-81: does not apply; I am/was not employed	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	47

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What currently applies to you? [item text: I have changed my occupation.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & (cor0320==5 & (inlist(ptyp,1,2,200,300,400,500,600)))

Item developed for TwinLife.

### cov0307 – changes in employment status: further employment (>=16 yr)

---

1	1: yes	91
2	2: no	1785
-81	-81: does not apply; I am/was not employed	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	71

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What currently applies to you? [item text: I have taken up another occupation.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & (cor0320==5 & (inlist(ptyp,1,2,200,300,400,500,600)))

Item developed for TwinLife.

**cov0311** – changes in employment status: training/university dropout ( $\geq 16$  yr)

1	1: yes	24
2	2: no	543
-81	-81: does not apply; I am/was not undergoing any vocational training	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	3006
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	33

Waves: F2F 4; CoV 3

Question text: [ITEMBAT] What applies to you? [item text: I have dropped out of training/university.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110 $\geq$ 16 & (inlist(ptyp,1,2,200,300,400,500,600)) & cor0297==1

Item developed for TwinLife.

**cov0312** – changes in employment status: dropout training /university ( $\geq 15$  yr)

1	1: yes	6
2	2: no	562
-81	-81: does not apply; I am/was not undergoing any vocational training	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	3006
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	33

Waves: F2F 4; CoV 3

Question text: [ITEMBAT] What applies to you? [item text: I have lost my apprenticeship/university place.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110 $\geq$ 16 & (inlist(ptyp,1,2,200,300,400,500,600)) & cor0297==1

Item developed for TwinLife.

**cov0320** – changes in employment status: job loss ( $\geq 16$  yr)

1	1: I was not employed before the Corona pandemic and I am not currently employed.	658
2	2: I was not employed before the Corona pandemic, but have started a new job now.	175
3	3: I lost my job due to the Corona pandemic and I am currently not employed.	25
4	4: I lost my job due to another reason and I am currently not employed.	64
5	5: I was employed before the Corona pandemic and I am currently employed.	1947

-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	6
-99	-99: not specified (refused to answer)	40

Waves: F2F 4; CoV 3

*Question text:* The COVID-19 pandemic and its aftermath has affected people's work situations in many ways. What currently applies to you?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & (inlist(ptyp,1,2,200,300,400,500,600))

*Item developed for TwinLife.*

### **cov0400** – changes in occupational activity: work from home (>=16 yr)

1	1: -3 (significantly less)	32
2	2: -2	9
3	3: -1	4
4	4: 0 (same)	330
5	5: +1	155
6	6: +2	142
7	7: +3 (significantly more)	384
-81	-81: does not apply, I am not gainfully employed	0
-82	-82: I do not work from home	879
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	12

Waves: F2F 4; CoV 2; CoV 3

*Question text:* To what extent has your current work situation changed compared to the time before the COVID-19 pandemic? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. Unless you are in a home office, please indicate 'I do not work in a home office'. [item text: I work from home.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & cor0320==5 & (inlist(ptyp,1,2,200,300,400,500,600))

*Source:* Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

**cov0401** – changes in occupational activity: overtime work ( $\geq 16$  yr)

1	1: -3 (significantly less)	66
2	2: -2	48
3	3: -1	70
4	4: 0 (same)	1177
5	5: +1	210
6	6: +2	194
7	7: +3 (significantly more)	140
-81	-81: does not apply, I am not gainfully employed	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	39

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] To what extent has your current work situation changed compared to before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I work overtime]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110 $\geq$ 16 & cor0320==5 & (inlist(pty,1,2,200,300,400,500,600))

Source: Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

**cov0402** – changes in occupational activity: flexible working hours ( $\geq 16$  yr)

1	1: -3 (significantly less)	43
2	2: -2	29
3	3: -1	25
4	4: 0 (same)	1345
5	5: +1	126
6	6: +2	165
7	7: +3 (significantly more)	169
-81	-81: does not apply, I am not gainfully employed	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	44

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] To what extent has your current work situation changed compared to before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I have flexible working hours]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & cor0320==5 & (inlist(pty,1,2,200,300,400,500,600))

*Source:* Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

### cov0403 - changes in occupational activity: scope of employment (>=16 yr)

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1	1: -3 (significantly less)	27
2	2: -2	36
3	3: -1	91
4	4: 0 (same)	1079
5	5: +1	286
6	6: +2	232
7	7: +3 (significantly more)	179
-81	-81: does not apply, I am not gainfully employed	1
-86		1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	15

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] To what extent has your current work situation changed compared to before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: The scope of my employment is ...]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): age0110>=16 & cor0320==5 & (inlist(pty,1,2,200,300,400,500,600))

*Source:* Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

### cov0410 - difficulty: homeoffice (>=16 yr)

---

1	1: not difficult at all	328
2	2	143
3	3	135
4	4	73
5	5	54
6	6	63
7	7	63
8	8	49

9	9	14
10	10: extremely difficult	12
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2551
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	122

Waves: F2F 4; CoV 3

*Question text:* With the COVID-19 pandemic in mind, how difficult has it been for you to work from home so far?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0320==5 & cor0400 !=-82 & cor0400 !=-98 & cor0400 !=-99

### cov0500 - changes in income (>=16 yr)

---

1	1: income increased	306
2	2: income decreased	187
3	3: income remained unchanged	1439
-81	-81: does not apply, I was not employed/self-employed before the COVID-19 pandemic.	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1660
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	15

Waves: F2F 4; CoV 2; CoV 3

*Question text:* Did your income from employment (including possible bonuses and co-payments) changed as a result of the COVID-19 pandemic and its aftermath? Did your income ...

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0320==5

*Source:* Adapted from: SOEP Group. (2022). SOEP-Core-2020: Corona (SOEP Survey Papers No. 1112; Series A - Survey Instruments (Erhebungsinstrumente)). DIW Berlin/SOEP. [URL link]

### cov0703 - have own children (t,u,s, >= 16 yr)

---

1	1: yes	70
2	2: no	1331
-84	-84: unassignable	0
-85	-85: information not evaluable	0

-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	2202
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	2

Waves: F2F 4; CoV 3

*Question text:* The final section of this survey is about the impact of the COVID-19 pandemic on children. Do you have children of your own?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110>=16

### cov0704 - worries about future of children

---

1	1: does not apply	471
2	2: mostly does not apply	389
3	3: partly applies/partly doesn't apply	378
4	4: mostly applies	205
5	5: does apply	135
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2023
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	6

Waves: F2F 4; CoV 3

*Question text:* The final section of this survey is about the impact of the COVID-19 pandemic on children. To what extent does the following statement apply to you? [item text: I am concerned that at least one of my children has been denied opportunities for the future because of the pandemic.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200)) & age0110>=16 & cor0703==1) | inlist(ptyp,300,400,500,600)

### cov0710 - school attendance (>= 16 yr)

---

1	1: yes	510
2	2: no	2385
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0

-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	22

Waves: CoV 3

Question text: Do you go to school?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

### cov0711 – form of teaching

---

1	1: face-to-face teaching	1160
2	2: homeschooling	15
3	3: alternation between face-to-face and homeschooling	18
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2409
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	5

Waves: F2F 4; CoV 3

Question text: How do school lessons currently take place?

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200,300,400,500,600)) & (age0110>=16) & (cor0710==1)) | ((inlist(ptyp,1,2,200)) & age0110 <=15)

### cov0712 – self-assessment: learning performance

---

1	1: I found learning much easier.	50
2	2: I found learning a little easier.	124
3	3: There was no change.	400
4	4: I found it a little harder to learn.	533
5	5: I found it much harder to learn.	84
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0



-95	-95: doesn't apply (screened out)	2409
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	5

Waves: F2F 4; CoV 3

*Question text:* Compared to before the COVID-19 pandemic, how hard have you found it overall to learn since the pandemic began in March 2020?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200) | inlist(ptyp,300,400,500,600)) & age0110>=16 & (cor0710==1)) | (inlist(ptyp,1,2,200)) & age0110 <=15

### cov0720 - school-aged child present (>=16 yr)

---

1	1: yes	952
2	2: no	625
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2023
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	7

Waves: F2F 4; CoV 3

*Question text:* Do you have at least one school-age child?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200)) & age0110>=16 & cor0703==1) | inlist(ptyp,300,400,500,600)

### cov0721 - worries: lose touch (>=16 yr)

---

1	1: does not apply	224
2	2: mostly does not apply	211
3	3: partly applies/partly doesn't apply	242
4	4: mostly applies	181
5	5: does apply	90
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2655
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	4

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] To what extent do the following statements apply to you? Because of limited childcare and school options, I am concerned that at least one of my children... [itemtext: has lost/will lose touch with what they are learning in school.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0720==1

### cov0722 - worries: poorer school-leaving qualification (>=16 yr)

---

1	1: does not apply	264
2	2: mostly does not apply	268
3	3: partly applies/partly doesn't apply	185
4	4: mostly applies	165
5	5: does apply	66
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2655
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	4

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] To what extent do the following statements apply to you? Because of limited childcare and school options, I am concerned that at least one of my children... [itemtext: will achieve a poorer school-leaving qualification.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0720==1

### cov0723 - worries: impaired development (>=16 yr)

---

1	1: does not apply	210
2	2: mostly does not apply	273
3	3: partly applies/partly doesn't apply	220
4	4: mostly applies	166
5	5: does apply	81
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2655
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	2

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] To what extent do the following statements apply to you? Because of limited childcare and school options, I am concerned that at least one of my children... [item text: development will be impaired.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0720==1

### cov0724 - perception of competence: support in homeschooling (>=16 yr)

---

1	1: does not apply	59
2	2: mostly does not apply	109
3	3: partly applies/partly doesn't apply	301
4	4: mostly applies	261
5	5: does apply	219
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2655
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	3

Waves: F2F 4; CoV 3

*Question text:* I have felt able to support my child/children in working on school related tasks.

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0720==1

### cov0725 - utilization of support services (>=16 yr)

---

1	1: yes	197
2	2: no	754
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2655
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 3

*Question text:* Are you currently using or have you used support services for any of your children (e.g., tutoring, homework supervision, supplemental instruction)

because of the pandemic?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16 & cor0720==1

### cov0900 - impact of corona: health (>=16 yr)

---

1	1: no threat to me at all	328
2		332
3		555
4		325
5		385
6		300
7		355
8		220
9		51
10	10: extreme threat to me	55
-81	-81: not applicable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	10

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your health]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0901 - impact of corona: economic situation (>=16 yr)

---

1	1: no threat to me at all	878
2		433
3		459
4		233
5		299
6		203
7		192
8		122
9		35
10	10: extreme threat to me	43
-81	-81: not applicable	0

-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	18

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your economic situation]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0902 – impact of corona: opportunities for education and training (>=16 yr)

1	1: no threat to me at all	1064
2		344
3		373
4		225
5		314
6		186
7		191
8		115
9		48
10	10: extreme threat to me	32
-81	-81: not applicable	0
-86	-86: inconclusive specification	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	21

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your opportunities for education and training]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

**cov0903** – impact of corona: personal freedom (>=16 yr)

1	1: no threat to me at all	268
2		248
3		350
4		278
5		365
6		283
7		411
8		378
9		169
10	10: extreme threat to me	152
-81	-81: not applicable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	15

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your personal freedom]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

**cov0904** – impact of corona: social life (>=16 yr)

1	1: no threat to me at all	173
2		179
3		312
4		246
5		349
6		325
7		451
8		470
9		254
10	10: extreme threat to me	150
-81	-81: not applicable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0

-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [itemtext: your social life (e.g., your possibilities for meeting new people, maintaining existing contacts)]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0905 – impact of corona: health (<=15 yr)

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1	1: no threat to me at all	127
2		129
3		135
4		89
5		86
6		44
7		31
8		15
9		12
10	10: extreme threat to me	17
-81	-81: not applicable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] How much do you perceive the coronavirus as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your health]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

*Source:* Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0906 – impact of corona: performance at school (<=15 yr)

---

1	1: no threat to me at all	153
2		111
3		98
4		98
5		83
6		56
7		42
8		26
9		11
10	10: extreme threat to me	7
-81	-81: not applicable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	2

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How much do you perceive the coronavirus as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your performance at school]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

Source: Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0907 – impact of corona: relationships with other people (<=15 yr)

1	1: no threat to me at all	138
2		106
3		93
4		71
5		108
6		51
7		58
8		23
9		20
10	10: extreme threat to me	14
-81	-81: not applicable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919



-98	-98: don't know	2
-99	-99: not specified (refused to answer)	3

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How much do you perceive the coronavirus as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your relationships with other people]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

Source: Adapted from: German Internet Panel (GIP). (2020). Mannheim Corona Study (MCS). [URL link]

### cov0908 – impact of corona: professional situation (>=16 yr)

---

1	1: no threat to me at all	998
2		428
3		401
4		176
5		319
6		205
7		158
8		114
9		52
10	10: extreme threat to me	40
-81	-81: not applicable	0
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	3
-99	-99: not specified (refused to answer)	22

Waves: F2F 4; CoV 3

Question text: [ITEMBAT] How much do you perceive the COVID-19 pandemic as a threat to... You can grade your answers from 1 'no threat to me at all' to 10 'extreme threat to me'. [item text: your professional situation / your professional opportunities]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200,300,400,500,600)) & age0110>=16

### cov1000 – stress & strain: social isolation / loneliness (>=16 yr)

---

1	1: no burden	540
2		327
3		363
4		226

5		230
6		207
7		269
8		214
9		82
10	10: extreme burden	72
-81	-81: does not apply, does not occur in my case.	379
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [itemtext: social isolation / loneliness]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Witthoef, M., Jungmann, S. M., Germer, S., & Braescher, A.-K. (2022). *Early Adverse Effects of Behavioural Preventive Strategies During the COVID-19 Pandemic in Germany: An Online General Population Survey.* [URL link]

### cov1001 – stress & strain: being separated from important people (>=16 yr)

1	1: no burden	460
2		313
3		317
4		216
5		228
6		217
7		275
8		254
9		115
10	10: extreme burden	104
-81	-81: does not apply, does not occur in my case.	405
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0

-99 -99: not specified (refused to answer) 13

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [itemtext: being separated from important people]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Witthoeft, M., Jungmann, S. M., Germer, S., & Braescher, A.-K. (2022). *Early Adverse Effects of Behavioural Preventive Strategies During the COVID-19 Pandemic in Germany: An Online General Population Survey.* [URL link]

### cov1002 – stress & strain: lack of leisure activities (>=16 yr)

1	1: no burden	472
2		239
3		293
4		222
5		229
6		265
7		302
8		288
9		160
10	10: extreme burden	118
-81	-81: does not apply, does not occur in my case.	320
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [item text: lack of leisure activities such as sports]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Witthoeft, M., Jungmann, S. M., Germer, S., & Braescher, A.-K. (2022). *Early Adverse Effects of Behavioural Preventive Strategies During the COVID-19 Pandemic in Germany: An Online General Population Survey.* [URL link]

**cov1003** – stress & strain: unregulated daily routine/weekly rhythm ( $\geq 16$  yr)

1	1: no burden	774
2		333
3		274
4		168
5		169
6		185
7		157
8		173
9		92
10	10: extreme burden	86
-81	-81: does not apply, does not occur in my case.	490
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	15

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [item text: unregulated daily routine / weekly rhythm]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110 $\geq$ 16

*Item developed for TwinLife.*

**cov1004** – stress & strain: increased need for childcare ( $\geq 16$  yr)

1	1: no burden	782
2		105
3		96
4		67
5		50
6		75
7		83
8		103
9		69
10	10: extreme burden	85
-81	-81: does not apply, does not occur in my case.	1366
-86	-86: inconclusive specification	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	33

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [itemtext: increased need for child care]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov1005 – stress & strain: home schooling of children (>=16 yr)

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1	1: no burden	715
2		97
3		109
4		46
5		60
6		72
7		91
8		107
9		89
10	10: extreme burden	132
-81	-81: does not apply, does not occur in my case.	1360
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	37

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [itemtext: teaching the children at home]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

**cov1006** – stress & strain: overwork at job (>=16 yr)

1	1: no burden	602
2		215
3		212
4		155
5		140
6		154
7		164
8		142
9		81
10	10: extreme burden	72
-81	-81: does not apply, does not occur in my case.	654
-86	-86: inconclusive specification	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	290
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	34

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [item text: overuse on the job]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

**cov1007** – stress & strain: restriction of civil rights (>=16 yr)

1	1: no burden	765
2		379
3		337
4		198
5		203
6		202
7		179
8		175
9		88
10	10: extreme burden	137
-81	-81: does not apply, does not occur in my case.	231
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	20

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [itemtext: restriction of civil rights]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Item developed for TwinLife.*

### cov1008 – stress & strain: seeing friends and relatives less often (<=15 yr)

1	1: not at all bad	45
2		56
3		76
4		46
5		78
6		103
7		70
8		56
9		17
10	10: very bad	33
-81	-81: does not happen to me	108
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [itemtext: see friends and relatives less often]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

*Item developed for TwinLife.*

**cov1009** – stress & strain: sports less often (<=15 yr)

1	1: not at all bad	96
2		46
3		32
4		47
5		50
6		48
7		54
8		46
9		39
10	10: very bad	66
-81	-81: does not happen to me	162
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [item text: no longer go to the gym so often]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

*Item developed for TwinLife.*

**cov1010** – stress & strain: unregulated daily routine (<=15 yr)

1	1: not at all bad	114
2		69
3		64
4		51
5		49
6		55
7		37
8		26
9		22
10	10: very bad	17
-81	-81: does not happen to me	180
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0



-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	2

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [item text: have an unregulated daily routine]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

*Item developed for TwinLife.*

### cov1011 – stress & strain: schooling at home (<=15 yr)

1	1: not at all bad	107
2		72
3		53
4		56
5		59
6		57
7		43
8		52
9		26
10	10: very bad	37
-81	-81: does not happen to me	123
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [item text: to have schooling (also) at home]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

*Item developed for TwinLife.*

### cov1012 – stress & strain: compulsory mask-wearing (<=15 yr)

1	1: not at all bad	123
2		74
3		74
4		66
5		53
6		60
7		57
8		43
9		41
10	10: very bad	91
-81	-81: does not happen to me	3
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	3

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [item text: wear masks]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

### **cov1013** – stress & strain: mandatory corona testing (<=15 yr)

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1	1: not at all bad	159
2		92
3		73
4		65
5		38
6		62
7		51
8		41
9		27
10	10: very bad	50
-81	-81: does not happen to me	27
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0

-99 -99: not specified (refused to answer) 3

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. If you are currently experiencing the following limitations, how bad are they for you? You can grade your answers from 1 'not bad at all' to 10 'very bad'. [item text: testing for the coronavirus]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

### cov1014 - stress & strain: compulsory mask-wearing (>=16 yr)

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1	1: not at all / no burden	658
2		395
3		377
4		225
5		202
6		211
7		201
8		221
9		137
10	10: extreme burden	238
-81	-81: does not apply / does not happen to me	41
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [item text: compulsory mask-wearing]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

### cov1015 - stress & strain: mandatory corona testing (>=16 yr)

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1	1: not at all / no burden	948
2		408
3		315
4		144
5		151

6		156
7		141
8		130
9		79
10	10: extreme burden	153
-81	-81: does not apply / does not happen to me	282
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CoV 3

*Question text:* [ITEMBAT] The COVID-19 pandemic continues to affect the daily lives of many people. To the extent that you are currently experiencing the following limitations, how much of a burden do they have on you? You can grade your answers from 1 'no burden' to 10 'extreme burden'. [item text: mandatory corona testing]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

### cov1020 – burden of pandemic in general

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1	1: not burdened at all	118
2	2	307
3	3	630
4	4	558
5	5	484
6	6	481
7	7	513
8	8	318
9	9	90
10	10: extremely burdened	99
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 3

*Question text:* Overall, how much of a burden has the COVID-19 pandemic and all its implications been on you so far?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16) | ((inlist(ptyp,1,2,200)) & age0110<=15)

### cov1022 – positive effects of pandemic

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1	1: nothing good at all	484
2	2	379
3	3	546
4	4	491
5	5	657
6	6	545
7	7	315
8	8	123
9	9	34
10	10: exclusively good	18
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	5
-99	-99: not specified (refused to answer)	9

*Waves:* F2F 4; CoV 3

*Question text:* Overall, how much good can you take from the COVID-19 pandemic and all its implications so far?

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): ((inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16) | ((inlist(ptyp,1,2,200)) & age0110<=15)

### cov1200 – stress & support: more arguments at home

---

1	1: not at all	1332
2	2: rarely	1108
3	3: once in a while	759
4	4: more often	329
5	5: very often	66
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	11

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] How often do you currently experience the following things in your home? [item text: more dispute at home]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

*Source:* Adapted from: Witthoef, M., Jungmann, S. M., Germer, S., & Braescher, A.-K. (2022). *Early Adverse Effects of Behavioural Preventive Strategies During the COVID-19 Pandemic in Germany: An Online General Population Survey.* [URL link]

### cov1201 – stress & support: worse mood at home

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1	1: not at all	1094
2	2: rarely	1304
3	3: once in a while	800
4	4: more often	322
5	5: very often	71
-86	-86: inconclusive specification	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	13

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] How often do you currently experience the following things in your home? [item text: a worse mood at home]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

*Source:* Adapted from: Witthoef, M., Jungmann, S. M., Germer, S., & Braescher, A.-K. (2022). *Early Adverse Effects of Behavioural Preventive Strategies During the COVID-19 Pandemic in Germany: An Online General Population Survey.* [URL link]

### cov1202 – stress & support: better family life at home

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1	1: not at all	433
2	2: rarely	516
3	3: once in a while	1238
4	4: more often	1076
5	5: very often	270
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	17

-99 -99: not specified (refused to answer) 56

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently experience the following things in your home? [item text: a better family life at home]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov1203 – stress & support: more cohesion at home

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1	1: not at all	333
2	2: rarely	415
3	3: once in a while	1133
4	4: more often	1236
5	5: very often	424
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	9
-99	-99: not specified (refused to answer)	55

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently experience the following things in your home? [item text: greater cohesion at home]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov1204 – stress & support: more activities at home together

---

1	1: not at all	430
2	2: rarely	752
3	3: once in a while	1130
4	4: more often	1016
5	5: very often	257
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	4
-99	-99: not specified (refused to answer)	17

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently experience the following things in your home? [item text: more joint activities (e.g. playing games, sports, walks)]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov1205 – stress & support: more appreciation by other family members

---

1	1: not at all	448
2	2: rarely	702
3	3: once in a while	1332
4	4: more often	873
5	5: very often	209
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	12
-99	-99: not specified (refused to answer)	29

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently experience the following things in your home? [itemtext: [if age >= 16] more appreciation by other family members [if age <= 15] more appreciation by other family members (e.g. more frequent praise and affection)]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov1206 – stress & support: socializing with friends or relatives

---

1	1: not at all	255
2	2: rarely	1065
3	3: once in a while	1259
4	4: more often	831
5	5: very often	177
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	2



-99 -99: not specified (refused to answer) 18

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] How often do you currently experience the following things in your home? [item text: social gathering with friends or relatives]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600))

Item developed for TwinLife.

### cov1400 – behavioral changes: washing/disinfecting hands (>=16 yr)

---

1	1: -3 (significantly less)	8
2	2: -2	9
3	3: -1	12
4	4: 0 (same)	487
5	5: +1	594
6	6: +2	730
7	7: +3 (significantly more)	1068
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I wash/disinfect my hands.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1401 – behavioral changes: shopping super markets (>=16 yr)

---

1	1: -3 (significantly less)	52
2	2: -2	106
3	3: -1	202
4	4: 0 (same)	2372
5	5: +1	94
6	6: +2	51
7	7: +3 (significantly more)	30
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0

-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	10

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I shop in supermarkets.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### **cov1402** – behavioral changes: visiting public places/events (>=16 yr)

---

1	1: -3 (significantly less)	685
2	2: -2	851
3	3: -1	603
4	4: 0 (same)	694
5	5: +1	44
6	6: +2	19
7	7: +3 (significantly more)	9
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I visit public places/ events.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### **cov1403** – behavioral changes: use of public transport (>=16 yr)

---

1	1: -3 (significantly less)	701
2	2: -2	334
3	3: -1	288
4	4: 0 (same)	1470
5	5: +1	59
6	6: +2	23
7	7: +3 (significantly more)	32
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	10

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I use public transport.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

#### cov1404 – behavioral changes: staying at home (>=16 yr)

---

1	1: -3 (significantly less)	26
2	2: -2	67
3	3: -1	160
4	4: 0 (same)	1028
5	5: +1	722
6	6: +2	593
7	7: +3 (significantly more)	311
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly

more'. [item text: I stay at home.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]*

### cov1405 – behavioral changes: visiting family (>=16 yr)

---

1	1: -3 (significantly less)	143
2	2: -2	323
3	3: -1	537
4	4: 0 (same)	1575
5	5: +1	160
6	6: +2	117
7	7: +3 (significantly more)	52
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	10

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I visit my family.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]*

### cov1406 – behavioral changes: meeting with acquaintances and friends (>=16 yr)

---

1	1: -3 (significantly less)	268
2	2: -2	568
3	3: -1	856
4	4: 0 (same)	917
5	5: +1	185
6	6: +2	79
7	7: +3 (significantly more)	36
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0

-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What behaviors do you currently exhibit less of, the same of, or more of than before the COVID-19 pandemic outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I meet with acquaintances and friends.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1407 - behavioral changes: washing hands (<=15 yr)

---

1	1: -3 (significantly less)	3
2	2: -2	1
3	3: -1	10
4	4: 0 (same)	172
5	5: +1	151
6	6: +2	151
7	7: +3 (significantly more)	196
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I wash my hands.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1408 - behavioral changes: shopping supermarkets (<=15 yr)

---

1	1: -3 (significantly less)	62
2	2: -2	53
3	3: -1	73

4	4: 0 (same)	410
5	5: +1	55
6	6: +2	15
7	7: +3 (significantly more)	12
-86	-86: inconclusive specification	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	7

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I shop in supermarkets.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

#### cov1409 - behavioral changes: visiting public places (<=15 yr)

1	1: -3 (significantly less)	60
2	2: -2	56
3	3: -1	141
4	4: 0 (same)	323
5	5: +1	47
6	6: +2	27
7	7: +3 (significantly more)	34
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I am in public places, e.g. playgrounds, sports fields]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(pty,1,2,200)) & age0110<=15

Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster.  
[URL link]

### cov1410 – behavioral changes: use of public transport (<=15 yr)

---

1	1: -3 (significantly less)	83
2	2: -2	48
3	3: -1	54
4	4: 0 (same)	388
5	5: +1	37
6	6: +2	31
7	7: +3 (significantly more)	46
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I take public transportation, such as the bus or train.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster.  
[URL link]

### cov1411 – behavioral changes: staying at home (<=15 yr)

---

1	1: -3 (significantly less)	26
2	2: -2	30
3	3: -1	65
4	4: 0 (same)	261
5	5: +1	154
6	6: +2	94
7	7: +3 (significantly more)	56
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0

-99 -99: not specified (refused to answer) 0

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I stay at home.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1412 – behavioral changes: visiting family (<=15 yr)

---

1	1: -3 (significantly less)	52
2	2: -2	73
3	3: -1	160
4	4: 0 (same)	321
5	5: +1	49
6	6: +2	16
7	7: +3 (significantly more)	13
-86	-86: inconclusive specification	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	1

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I visit my family.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

Source: Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1413 – behavioral changes: meeting friends (<=15 yr)

---

1	1: -3 (significantly less)	48
2	2: -2	72
3	3: -1	154
4	4: 0 (same)	265
5	5: +1	76
6	6: +2	45



7	7: +3 (significantly more)	24
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2919
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	4

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] What things do you currently do less often, the same amount, or more than you did before the coronavirus outbreak? You can grade your answers from -3 'significantly less' to 0 'same' to +3 'significantly more'. [item text: I meet with friends.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200)) & age0110<=15

*Source:* Adapted from: Survey EMOTIONS-C. (2020). Westfaelische Wilhelms-Universitaet Muenster. [URL link]

### cov1500 - resilience: thoughts about changing difficult situations (>=16 yr)

1	1: I do not agree at all	167
2		204
3		239
4		577
5		673
6		555
7	7: I agree completely	492
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	8

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] In the following questions, we would like to know how you deal with difficult situations. How much do you agree with the following statements? You can grade your answers from 1 'I do not agree at all' to 7 'I agree completely'. [item text: I worry about how to change difficult situations.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Jacobsen, J., Klikar, J., & Schupp, J. (2017). Scales Manual IAB-BAMF-SOEP Survey of Refugees in Germany-Revised version. (SOEP Survey Papers 475: Series C.). [URL link]

**cov1501** – resilience: reactions under control ( $\geq 16$  yr)

1	1: I do not agree at all	50
2		175
3		441
4		528
5		684
6		667
7	7: I agree completely	360
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	10

Waves: F2F 4; CoV 2; CoV 3

Question text: [ITEMBAT] In the following questions, we would like to know how you deal with difficult situations. How much do you agree with the following statements? You can grade your answers from 1 'I do not agree at all' to 7 'I agree completely'. [item text: No matter what, I am in control of myself and my reactions.]

Filter based on instrument: module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110 $\geq$ 16

Source: Adapted from: Jacobsen, J., Klikar, J., & Schupp, J. (2017). Scales Manual IAB-BAMF-SOEP Survey of Refugees in Germany-Revised version. (SOEP Survey Papers 475: Series C.). [URL link]

**cov1502** – resilience: further development through difficult situations ( $\geq 16$  yr)

1	1: I do not agree at all	23
2		72
3		122
4		402
5		717
6		823
7	7: I agree completely	749
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	9

Waves: F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] In the following questions, we would like to know how you deal with difficult situations. How much do you agree with the following statements? You can grade your answers from 1 'I do not agree at all' to 7 'I agree completely'. [itemtext: I am convinced that I develop myself by dealing with difficult situations.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Jacobsen, J., Klikar, J., & Schupp, J. (2017). Scales Manual IAB-BAMF-SOEP Survey of Refugees in Germany-Revised version. (SOEP Survey Papers 475: Series C.). [URL link]

### cov1503 - resilience: compensating for setbacks (>=16 yr)

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1	1: I do not agree at all	46
2		111
3		218
4		644
5		774
6		673
7	7: I agree completely	440
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	688
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	10

*Waves:* F2F 4; CoV 2; CoV 3

*Question text:* [ITEMBAT] In the following questions, we would like to know how you deal with difficult situations. How much do you agree with the following statements? You can grade your answers from 1 'I do not agree at all' to 7 'I agree completely'. [item text: I actively try to compensate for setbacks that affect my life.]

*Filter based on instrument:* module 'Third COVID-19 Supplementary Questionnaire' (CAWI-PAPI): (inlist(ptyp,1,2,200,300,400,500,600)) & age0110>=16

*Source:* Adapted from: Jacobsen, J., Klikar, J., & Schupp, J. (2017). Scales Manual IAB-BAMF-SOEP Survey of Refugees in Germany-Revised version. (SOEP Survey Papers 475: Series C.). [URL link]

## 12 Survey and module participation

This chapter contains information on: survey mode.

### mod0300 - survey mode

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1	1: PAPI	2253
2	2: CAWI	1354

-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 3; CoV 3

Filter based on instrument: always asked/always generated

### 13 Para data

This chapter contains information on: para data.

#### mon\_pq – month individual questionnaire was conducted (gen)

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-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

#### yea\_pq – year individual questionnaire was conducted (gen)

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-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; F2F 4; CATI 4; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated