

# **Codebook**

## **CILS4NEPS**

A Harmonised Dataset based on  
CILS4EU and NEPS SC4

CILS4EU: waves 1-3  
NEPS SC4: waves 1-6

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## 1 Introduction

This codebook documents in detail all items included in the harmonised dataset CILS4NEPS which is based on the data from “Children of Immigrants Longitudinal Survey in Four European Countries” (CILS4EU, waves 1-3) and the “National Educational Panel Study” Starting Cohort 4 (NEPS SC4, waves 1-6).

Please note that the CILS4EU data are available in wide format and the NEPS SC4 data in long format.

In the wide format, there is a single row for each unit of analysis while observations made at different time points are displayed in different columns. By contrast, in a long format there are multiple records (rows) for each unit of analysis for the respective survey year. Thus, observations made at different time points are displayed in one column.

For the data harmonization procedure, the CILS4EU dataset was converted to long format. Consequently, the harmonised items are provided in long format. The structure of the codebook follows the conceptual subject dimensions of the CILS4EU dataset (e.g., structural integration, social integration). Each subsection contains all items that fall into the respective category. The corresponding sections are also mirrored in the different tabs of the attached Excel coding table.

The next section of this codebook provides an overview of all items included in the CILS4NEPS data ordered by topic (2.1) and then again ordered according to the difficulty of their harmonization (2.2). This is an example of item listing in section 2.1.1:

	<i>Conceptual subject dimension</i>		<i>Corresponding item number in dataset</i>		<i>Short description</i>		<i>Codebook page</i>
		<b>Socio-Demography and Migration</b>					
		<b>General Information</b>					
<i>Item name</i>	→	H_sx	1	Sex, Respondent		23	
		H_dobm	2	Date of birth, month		24	
		H_doby	3	Date of birth, year		24	

The names of the harmonised items are based on the CILS4EU logic, using abbreviations rather than the NEPS SC4 number codes. Each harmonised item is preceded by the prefix H\_, e.g. H\_sx.

Clicking on the page number to the right of an item description in the digital version will take you directly to the codebook page with detailed information about the respective harmonised item. You will find the following information there:

Item: <b>Age at migration</b>
Variable: H_miga
H_wave: 1,2,3
H_wave2: 1-3

CILS4EU: **How old were you when you moved to [survey country]?**  
 NEPS SC4: **If you were not born in Germany: How old were you when you moved to Germany?**

Numeric: F 2.0 ← Value in data

**Note:** CILS4EU: Waves 1 & 2: Only for respondents who were not born in survey country. (CILS: y1\_cobRV=2; y2\_cobRV=2). ← Notes and further details

NEPS SC4: Please consider survey filter in the programming templates for CATI, CAPI and CAWI interviews.

Source variable from  
CILS4EU and NEPS SC4

Source variables

CILS: w1: y1_migage w2: y2_migage	NEPS SC4: w1-w5: t400030
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Classification of harmonization  
feasibility

Classification: Unproblematic

H\_wave: This indicates the waves for which the harmonised item is available. The variable H\_wave, which is also available in the dataset, retains the wave structure of the NEPS SC4 with six survey waves. Each of the three CILS4EU waves was assigned to the “temporally closest” NEPS SC4 wave. Please note that waves two, four, and six of the H\_wave variable include only the NEPS SC4 waves, as only three waves are available in the CILS4EU within the relevant survey period. For more detailed information, please refer to the technical report.

H\_wave2: This generated variable covers a three-wave rather than six-wave set and indicates the most accurate temporal fit of the CILS4EU and NEPS SC4 waves. Please note, that the variable H\_wave2 does not include wave two, four and six of the NEPS SC4. NEPS SC4 waves four and six are specific school leaver waves. Thus, we recommend users who are primarily interested in school leaver waves to consider the alternative variable H\_wave. For more detailed information on both variables and their differences, please refer to the Technical report: Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

## Notes

The notes include further information on the original CILS4EU and NEPS SC4 variables, their corresponding filter instructions, a list of the source variables on which the harmonized item is based on as well as the classification of harmonisation feasibility of the corresponding harmonised item.

### - Survey Filter

CILS4EU and NEPS SC4 differ in terms of survey filter implementation. Most importantly, NEPS SC4 allows respondents to self-assign to filter questions in the PAPI mode, which may lead to logical inconsistencies. For items that are affected by survey filters in the NEPS SC4 data, this is indicated in the “Note” of the codebook entry. For example, this might be the case if respondents miss a filter instruction,

and either incorrectly respond to question or do not complete a module at all. Filter instructions in the NEPS SC4 are provided in the survey instruments in both the Scientific Use File (SUF) version and the field version. The field versions reflect the PAPI questionnaires originally used in the field as well as the programming templates for CATI, CAPI, and CAWI interviews. Please refer to these documents for more detailed information on the filtering in NEPS SC4. They are available online here: <https://www.neps-data.de/Data-Center/Data-and-Documentation/Start-Cohort-Grade-9/Documentation>

Self-assignment of respondents is ruled out in the CILS4EU, i.e. there are preconditions that are always met to trigger a filter. These preconditions are specified in the Note.

#### - Source Variables

The table at the bottom of every entry with the heading “Source variables” lists the original CILS4EU and NEPS SC4 variables that the harmonised item is based on. Since the CILS4EU data is provided in wide format, a wave-specific prefix always precedes in the notation of the CILS4EU source variable. For the source variable from the NEPS SC4 the wave-specific identifier is absent, since the NEPS SC4 is available in the long data format.

#### - Classification Scheme

The harmonised CILS4NEPS items were classified by their harmonization feasibility, i.e., the comparability of the item between CILS4EU and NEPS SC4. A distinction was made between ‘unproblematic’, ‘more complicated’ and ‘problematic’ items. Only items that were classified as either ‘unproblematic’ or ‘more complicated’ are included in this codebook and the corresponding data release. More information on items classified as ‘problematic’ can be found in the technical report: Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Unproblematic items are based on CILS4EU and NEPS SC4 variables that measure observable constructs in the source datasets. Items classified as ‘unproblematic’ have very similar or even identical response categories. Harmonization was performed by simple matching (and, if necessary, recoding) of the response categories.

‘More complicated’ items capture measures of latent constructs in both datasets and are considered similar in terms of construct measures and response categories. Such items may also be observed constructs that involve more than simple matching of response categories (e.g., delayed response). For harmonization of the items classified as ‘more complicated’, linear equation was applied. The user is strongly recommended to include validation of such items in the analyses. A detailed description of the procedure can be found in the technical report. In section 2.2 of this codebook, the items available in the dataset are ordered according to their underlying classification

### Harmonised Missing Scheme

Since different missing schemes were used in both CILS4EU and NEPS SC4, a harmonised missing scheme was created. The missing values that have been recoded during harmonisation are specified in the table below.

**Overview:** Harmonised Missing Scheme CILS4NEPS

Dataset	Code	Label	Description / Notes
CILS4EU	-4 / -11	Item specific missing with informative value label	Further missing codes pertain to specific nonresponse categories. These item-specific missing codes will be additionally reported in the detailed item description in section 3 for the respective harmonised item.
NEPS SC4	-5/-6/-20,...,-29	Item specific missing with informative value label	Further missing codes pertain to specific nonresponse categories
CILS4EU	-33	Not available in RV	Answers not available in the download version
CILS4EU	-44	Interrupted Interview	Only for telephone and online modes
NEPS SC4	-52	Implausible Value Removed	Edition missing: Implausible values are recoded into missing
NEPS SC4	-53	Anonymized	Edition missing: Implausible values are recoded into missing
NEPS SC4	-54	Missing by design	Question is not included in a sample-specific questionnaire. This code also used for the more general case where values of a variable are not available due to design issues
CILS4EU	-55	Other missing	Answers that could not be coded, fun answers
NEPS SC4	-56	Not participated	If a person was not present during the interview, did not fill out a questionnaire although it was administered to her, the concerning variables are assigned the missing code “not participated” (-56). This missing code is special as far as target persons lacking interview data (e.g. due to illness) usually are not entailed in the corresponding datasets. In the special case of one dataset integrating multiple waves widely this missing code is assigned.
NEPS SC4	-57	Not determinable	RECODED: originally -55 in NEPS SC4
CILS4EU	-66	Question not asked	Not asked in a country/mode
CILS4EU	-77	Not applicable	Not answered due to filter question
CILS4EU	-88	No answer	No box ticked/no answer given
NEPS SC4	-90	Unknown Missing	
NEPS SC4	-92	Question erroneously not asked	
NEPS SC4	-93	Does not apply	
NEPS SC4	-94	Not reached	For competence data there is a special missing code that indicates that a test item has not been reached, because the target quit the test somewhere before this item.
NEPS SC4	-95	Implausible Value	
NEPS SC4	-97	Refused	
NEPS SC4	-98	Filtered	RECODED: originally -99 in NEPS SC4
Combined	-99	Don't know	RECODED: originally -98 in NEPS SC4
NEPS SC4	.	Filtered/System missing	CILS4EU: Only if this option was provided in the questionnaire

## 2 Variable Overview

### 2.1 Ordered by Topic

#### 2.1.1 CILS4NEPS Harmonisation

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	Item- Number		Codebook- Page
<b>Sample Information</b>			
youthid	n/a	Unique Youth ID (CILS4EU-specific)	18
ID_t	n/a	ID target (NEPS SC4-specific)	18
H_ID	n/a	Harmonised Respondent ID: CILS4EU (8 digits) & NEPS SC4 (7digits) ID	18
waveC	n/a	CILS4EU: Wave Indicator	18
waveN	n/a	NEPS SC4: Wave Indicator	19
H_wave	n/a	Harmonised Wave Indicator – 6-waves	19
H_wave2	n/a	Harmonised Wave Indicator – 3-waves	19
<b>Tracking and Filter Variables</b>			
H_dtset	n/a	Dataset Information	20
H_trackingC	n/a	Tracking variable: CILS4EU	20
H_trackingN	n/a	Tracking variable: NEPS SC4	21
H_filter_balanced	n/a	Filter: Participation in All Harmonised Waves	21
<b>Socio-Demography and Migration</b>			
<b>General Information</b>			
H_sx	1	Sex Indicator	22
H_dobm	2	Date of birth, Month	22
H_doby	3	Date of birth, Year	23
<b>Household Situation and Household Composition</b>			
H_hhm1	4	Household members: Biological mother, adoptive mother, foster mother	24
H_hhm2	5	Household members: Biological father, adoptive father, foster father	24
H_hhm3	6	Household members: Stepmother	25
H_hhm4	7	Household members: Stepfather	25
H_hhm5	8	Household members: Siblings and/or Stepsiblings	26
H_hhm6	9	Household members: Grandparents	26
H_hhm7	10	Household members: Other family members	27
H_hhm8	11	Household members: Other persons	27
H_hhm9	12	Household members: Household size	28

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	Item- Number		Codebook- Page
<b>Social Background</b>			
H_edum	13	Mother's education (broad)	29
H_eduf	14	Father's education (broad)	30
H_empsm	15	Employment status mother	30
H_empsf	16	Employment status father	31
H_ocmisco	17	Occupation mother ISCO-08	31
H_ocfisco	18	Occupation father ISCO-08	32
<b>Migration History</b>			
H_counSC	19	Born in Survey Country	33
H_miga	20	Age at migration	33
H_citSC	21	Citizenship survey country	34
H_mbsv	22	Mother born in survey country	34
H_cobm	23	Country of birth, mother	35
H_fbsv	24	Father born in survey country	35
H_cobf	25	Country of birth, father	36
H_stay	26	Stay tendency	36
<b>Structural Integration</b>			
<b>School Performance</b>			
H_spm	27	Subjective school performance, Math	37
H_spcl	28	Subjective school performance, Survey country language	38
H_gm_ge	29	Math grade	39
H_gg_ge	30	German grade	39
H_ge_ge	31	English grade	40
H_reps	32	Repeated school year	40
<b>Attitudes towards School</b>			
H_ieasp	33	Idealistic educational aspirations	41
H_reasp	34	Realistic educational aspirations	41
H_peasp	35	Parents' educational aspirations	42
H_sesch	36	Self-efficacy - do well at school	42
H_segrad	37	Self-efficacy - good grades at school	43
H_statp	38	Status attainment compared to parents	44
H_helpt	39	Help from teacher	45
H_suclo	40	Success probability at lower secondary school	46
H_sucint	41	Success probability at intermediate secondary school	47
H_sucup	42	Success probability at upper secondary school	48

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	Item- Number		Codebook- Page
<b>Future Plans</b>			
H_infoedupar	43	Source of information on future education: Parents	49
H_infoeduor	44	Source of information on future education: Other relatives	49
H_infoedufr	45	Source of information on future education: (Other) friends	50
H_infoeduint	46	Source of information on future education: Internship	50
H_infoeducoun	47	Source of information on future education: Career counselors	50
H_infoedutch	48	Source of information on future education: Teachers	51
H_infoedumed	49	Source of information on future education: Media	52
H_infoeducenter	50	Source of information on future education: Job centers/career guidance	52
H_reaspsch	51	Realistic aspiration after school year	53
H_appli	52	Application status: job/apprenticeship/internship	53
H_aspideala	53	Idealistic occupational aspirations - ISCO08	54
H_jobalt	54	Job selection criteria: Helping others	54
<b>Economic Situation</b>			
H_sidejob	55	Side job / mini-job/ part-time job	55
H_pmon	56	Monthly pocket money	55
H_pospc	57	Own a computer	56
H_posrm	58	Own room	56
<b>Current Situation</b>			
H_gradfin	59	Graduation grades: Overall grade	57
H_grade	60	Current grade at school	57
H_schtype	61	Current school type	58
H_aisco08	62	Apprenticeship ISCO 2008	59
H_aplno	63	Vocational preparation number of applications	59
H_apprfin	64	Apprenticeship-module: Success probability	60
<b>Social Integration</b>			
<b>Romantic Relationship</b>			
H_dating	65	Currently dating/partnership	61
H_pmigb	66	Migration background partner	61
H_pdur	67	Partnership duration (months)	62
H_chilfu	68	Children in Future	62
<b>Family Relations</b>			
H_penc	69	Parental encouragement school achievement	63

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	Item- Number		Codebook- Page
H_pcom1	70	Family communication: frequency of discussing political/social issues	64
H_pcom2	71	Family communication: frequency of discussing movies/TV shows	64
<b>Cultural Integration</b>			
<b>Language</b>			
H_lpscS	72	Language proficiency survey country: Speak	65
H_lpscC	73	Language proficiency survey country: Comprehend	66
H_lpscR	74	Language proficiency survey country: Read	67
H_lpscW	75	Language proficiency survey country: Write	68
H_slan	76	Second language	69
H_slanS	77	Language proficiency second language: Speak	69
H_slanC	78	Language proficiency second language: Comprehend	70
H_slanR	79	Language proficiency second language: Read	70
H_slanW	80	Language proficiency second language: Write	71
<b>Identity</b>			
H_idSC	81	Host country identification	72
H_idEC	82	Ethnic identification	73
<b>Religion</b>			
H_relA	83	Religious affiliation	74
H_relign	84	Religiosity	74
<b>Leisure Time Activities</b>			
H_clubmem	85	Club membership	75
H_lta2	86	Frequency of computer games on school day	75
H_book	87	Number of books	76
<b>Well-Being</b>			
H_satl	88	Life satisfaction in general	77
H_satsc	89	School satisfaction	78
H_sequal	90	Self-esteem: Good qualities	79
<b>Health</b>			
H_genhea	91	Subjective general health	80
H_height	92	Height in cm	80
H_heightRV	93	Height in cm (reduced version)	81
H_weight	94	Weight in kg	81
H_weightRV	95	Weight in kg (reduced version)	82
H_sportfreq	96	Sports frequency	82

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	Item- Number		Codebook- Page
<b>Generated Variables</b>			
<b>Generation and Ethic Origin</b>			
<b>NEPS SC4 Classification Approach</b>			
H_t400500_g1_v1	98	NEPS-Ap. Generation status up to 3.5th	83
H_t400500_g1	97	NEPS-Ap. Generation status up to 3.75th	84
H_t400500_g2_v1	100	NEPS-Ap. Missing/contradicting information for generation status v1	85
H_t400500_g2	99	NEPS-Ap. Missing/contradicting information for generation status	86
H_t400500_g3v1R	102	NEPS-Ap. Group of origin v1	88
H_t400500_g3R	101	NEPS-Ap. Group of origin	87
<b>CILS4EU Classification Approach</b>			
H_generationG	103	CILS4EU-Ap. Generational status definition (standard approach)	89
H_genflag_missG	104	CILS4EU-Ap. Flag variable indicating missing cases (generational status)	90
H_genflag_ntG	105	CILS4EU-Ap. Flag variable indicating non-trivial cases (generational status)	91
H_countorigG	106	CILS4EU-Ap. Country of origin	92
H_countorig_geG	107	CILS4EU-Ap. Country of origin – national classification (Germany)	93
H_coflag_missG	108	CILS4EU-Ap. Flag variable indicating missing cases (country of origin)	94
H_coflag_ntG	109	CILS4EU-Ap. Flag variable indicating non-trivial cases (country of origin)	95
H_coflag_aiG	110	CILS4EU-Ap. Flag variable indicating use of additional information (country of origin)	96
<b>Weights</b>			
w_t_CILS4NEP	n/a	Nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)	97
w_t_CILS4NEPS_cal	n/a	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)	97
w_t1_CILS4NEPS	n/a	Cross-sectional weight for targets participating in wave 1 (unstandardized)	97
w_t_CILS4NEPS_std	n/a	Nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)	97
w_t_CILS4NEPS_cal_std	n/a	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)	97

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	Item- Number		Codebook- Page
w_t1_CILS4NEPS_std	n/a	Cross-sectional weight for targets participating in wave 1 (standardized)	98
w_t_CILS4EU_std	n/a	CILS4EU House weight (excluding German cases)	98
w_t_CILS4EU	n/a	CILS4EU Final student weight (excluding German cases)	98

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## 2.2 Ordered by Classification

### 2.2.1 CILS4NEPS Harmonisation

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	Item- Number		Codebook- Page
<b>Sample Information</b>			
youthid	n/a	Unique Youth ID (CILS4EU-specific)	18
ID_t	n/a	ID target (NEPS SC4-specific)	18
H_ID	n/a	CILS4EU (8 digits) & NEPS SC4 (7digits) ID	18
waveC	n/a	CILS4EU: Wave Indicator	18
waveN	n/a	NEPS SC4: Wave Indicator	19
H_wave	n/a	Harmonised Wave Indicator – 6-waves	19
H_wave2	n/a	Harmonised Wave Indicator – 3-waves	19
<b>Tracking and Filter Variables</b>			
H_dtset	n/a	Dataset Information	20
H_trackingC	n/a	Tracking variable: CILS4EU waves	20
H_trackingN	n/a	Tracking variable: NEPS SC4 waves	21
H_filter_balanced	n/a	Filter: Participation in all waves	21
<b>Generated Variables</b>			
<b>NEPS SC4 Classification Approach</b>			
H_t400500_g1_v1	98	NEPS-Ap. Generation status up to 3.5th	83
H_t400500_g1	97	NEPS-Ap. Generation status up to 3.75th	84
H_t400500_g2_v1	100	NEPS-Ap. Missing/contradicting information for generation status v1	85
H_t400500_g2	99	NEPS-Ap. Missing/contradicting information for generation status	86
H_t400500_g3v1R	102	NEPS-Ap. Group of origin v1	88
H_t400500_g3R	101	NEPS-Ap. Group of origin	87
<b>CILS4EU Classification Approach</b>			
H_generationG	103	Generational status (generated) (CILS4EU approach)	89
H_genflag_missG	104	Flag missing cases (generational status) (CILS4EU approach)	90
H_genflag_ntG	105	Flag non-trivial cases (generational status) (CILS4EU approach)	91
H_countorigG	106	Country of origin (CILS4EU approach)	92
H_countorig_geG	107	Country of origin (Germany) (CILS4EU approach)	93
H_coflag_missG	108	Flag missing cases (country of origin) (CILS4EU approach)	94
H_coflag_ntG	109	Flag non-trivial cases (country of origin)	95
H_coflag_aiG	110	CILS4EU-Ap. Flag variable indicating use of additional information (country of origin)	96

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	Item- Number		Codebook- Page
<b>Weights</b>			
w_t_CILS4NEP	n/a	Nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)	97
w_t_CILS4NEPS_cal	n/a	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)	97
w_t1_CILS4NEPS	n/a	Cross-sectional weight for targets participating in wave 1 (unstandardized)	97
w_t_CILS4NEPS_std	n/a	Nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)	97
w_t_CILS4NEPS_cal_std	n/a	Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)	9797
w_t1_CILS4NEPS_std	n/a	Cross-sectional weight for targets participating in wave 1 (standardized)	98
w_t_CILS4EU_std	n/a	CILS4EU House weight (excluding German cases)	98
w_t_CILS4EU	n/a	CILS4EU Final Student (excluding German cases)	98
<b>Classification: Unproblematic items</b>			
H_sx	1	Sex Indicator	22
H_dobm	2	Date of birth, Month	22
H_doby	3	Date of birth, Year	23
H_hhm1	4	Household members: Household members: Biological mother, adoptive mother, foster mother	24
H_hhm2	5	Household members: Biological father, adoptive father, foster father	24
H_hhm3	6	Household members: Stepmother	25
H_hhm4	7	Household members: Stepfather	25
H_hhm5	8	Household members: Siblings and/or Stepsiblings	26
H_hhm6	9	Household members Grandparents	26
H_hhm7	10	Household members Other family members	27
H_hhm8	11	Household members: Other persons	27
H_hhm9	12	Household size	28
H_edum	13	Mother's education (broad)	29
H_eduf	14	Father's education (broad)	30
H_empsm	15	Employment status mother	30
H_empsf	16	Employment status father	31
H_ocmisco	17	Occupation mother ISCO-08	31
H_ocfisco	18	Occupation father ISCO-08	32
H_counSC	19	Born in Survey Country	33
H_miga	20	Age at migration	33
H_citSC	21	Citizenship survey country	34
H_mbsv	22	Mother born in survey country	34
H_cobm	23	Country of birth, mother	35
H_fbsv	24	Father born in survey country	35
H_cobf	25	Country of birth, father	36

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	Item- Number		Codebook- Page
H_gm_ge	29	Math Grade	39
H_gg_ge	30	German Grade	39
H_ge_ge	31	English Grade	40
H_reps	32	Repeated school year	40
H_ieasp	33	Idealistic educational aspirations	41
H_reasp	34	Realistic educational aspirations	41
H_peasp	35	Parents' educational aspirations	42
H_reaspsch	51	Realistic aspiration after school year	53
H_appli	52	Application status: job/apprenticeship/ internship	53
H_aspideala	53	Idealistic occupational aspirations - ISCO08	54
H_sidejob	55	Side job/ mini-job/part-time job	55
H_pmon	56	Monthly pocket money	55
H_pospc	57	Own a computer	56
H_posrm	58	Own room	56
H_gradfin	59	Graduation grades: Overall grade	57
H_grade	60	Current grade at school	57
H_schtype	61	Current school type	58
H_aisco08	62	Apprenticeship ISCO 2008	59
H_aplno	63	Vocational preparation number of applications	59
H_dating	65	Currently dating/partnership	61
H_pmigb	66	Migration background partner	61
H_pdur	67	Partnership Duration (months)	62
H_slan	76	Second Language	69
H_relA	83	Religious affiliation	74
H_clubmem	85	Club membership	75
H_lta2	86	Frequency of computer games on school day	75
H_book	87	Number of books	76
H_height	92	Height in cm	80
H_heightRV	93	Height in cm (reduced version)	81
H_weight	94	Weight in kg	81
H_weightRV	95	Weight in kg (reduced version)	82

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	Item- Number		Codebook- Page
<b>Classification: More complicated items</b>			
H_stay	26	Stay tendency	36
H_spm	27	Subjective school performance, Math	37
H_spcl	28	Subjective school performance, Survey country language	38
H_sesch	36	Self-efficacy - do well at school	42
H_segrad	37	Self-efficacy - good grades at school	43
H_statp	38	Status attainment compared to parents	44
H_helpt	39	Help from teacher	45
H_suclo	40	Success probability at lower secondary school	46
H_sucint	41	Success probability at intermediate secondary school	47
H_sucup	42	Success probability at upper secondary school	48
H_infoedupar	43	Source of information on future education: Parents	49
H_infoeduor	44	Source of information on future education: Other relatives	49
H_infoedufr	45	Source of information on future education: (Other) friends	50
H_infoeduint	46	Source of information on future education: Internship	50
H_infoeducoun	47	Source of information on future education: Career counselors	51
H_infoedutch	48	Source of information on future education: Teachers	51
H_infoedumed	49	Source of information on future education: Media	52
H_infoeducenter	50	Source of information on future education: Job centers/career guidance	52
H_jobalt	54	Job selection criteria: Helping others	54
H_apprfin	64	Apprenticeship-module: Success probability	60
H_chilfu	68	Children in future	62
H_penc	69	Parental encouragement school achievement	63
H_pcom1	70	Family communication: Frequency of discussing political/social issues	64
H_pcom2	71	Family communication: Frequency of discussing movies/TV shows	64
H_lpscS	72	Language proficiency survey country: Speak	65
H_lpscC	73	Language proficiency survey country: Comprehend	66
H_lpscR	74	Language proficiency survey country: Read	67
H_lpscW	75	Language proficiency survey country: Write	68
H_slanS	77	Language proficiency second language: Speak	69
H_slanC	78	Language proficiency second language: Comprehend	70
H_slanR	79	Language proficiency second language: Read	70
H_slanW	80	Language proficiency second language: Write	71
H_idSC	81	Host country identification	72
H_idEC	82	Ethnic identification	73
H_relign	84	Religiosity	74
H_satl	88	Life satisfaction in general	77
H_satsc	89	School satisfaction	78
H_sequal	90	Self esteem: Good qualities	79
H_genhea	91	Subjective general health	80
H_sportfreq	96	Sports frequency	82

### 3 CILS4NEPS- Harmonisation

#### 3.1 Sample Information

---

Variable: youthid	<p><b>CILS4EU: Unique Youth ID</b></p> <p>Numeric: F 8.0</p> <p><b>Note:</b> This 8-digit identifier variable is specific to the CILS4EU dataset. For the harmonised dataset, the variable H_ID uniquely identifies cases from both the CILS4EU and the NEPS SC4 dataset.</p>						
<hr/>							
Variable: ID_t	<p><b>NEPS SC4: Target-ID</b></p> <p>Numeric: F 7.0</p> <p><b>Note:</b> This 7-digit identifier variable is specific to the NEPS SC4 dataset. For the harmonised dataset, the variable H_ID uniquely identifies cases from both the CILS4EU and the NEPS SC4 dataset.</p>						
<hr/>							
Variable: H_ID	<p><b>Harmonised ID-variable CILS4EU and NEPS SC4</b></p> <p>Numeric: F 7.0 – F 8.0</p> <p><b>Note:</b> This variable unifies the CILS4EU specific youthid and the NEPS SC4 specific ID_t by preserving the values of the original identifier variables from the corresponding dataset. Accordingly, H_ID allows to distinguish between cases from CILS4EU and those from NEPS SC4.</p>						
<hr/>							
Variable: waveC	<p><b>CILS4EU: Wave Indicator</b></p> <table border="0" style="margin-left: 20px;"> <tr><td>Wave 1</td><td style="text-align: right;">1</td></tr> <tr><td>Wave 2</td><td style="text-align: right;">2</td></tr> <tr><td>Wave 3</td><td style="text-align: right;">3</td></tr> </table> <p><b>Note:</b> This variable is CILS4EU-specific. For a harmonised wave variable, see H_wave and H_wave 2.</p>	Wave 1	1	Wave 2	2	Wave 3	3
Wave 1	1						
Wave 2	2						
Wave 3	3						

---

Variable: waveN
--------------------

**NEPS SC4: Wave Indicator**

Fall 2010	1
Summer 2011	2
2011 / 2012	3
Spring 2012	4
2012 / 2013	5
Spring 2013	6

**Note:** This variable is NEPS-specific. For a harmonised wave variable, see H\_wave and H\_wave2.

Variable: H_wave
---------------------

**Harmonised Wave Indicator – 6-waves**

Wave 1	1
Wave 2 (NEPS SC4 only)	2
Wave 3	3
Wave 4 (NEPS SC4 only)	4
Wave 5	5
Wave 6 (NEPS SC4 only)	6

**Note:** This variable incorporates the original NEPS SC4 specific wave structure with six survey waves being assigned to the corresponding three CILS4EU waves based on their temporal fit. However, the variable H\_wave2 is specifying the most accurate temporal fit between the CILS4EU and NEPS SC 4 waves.

For further details please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Variable: H_wave2
----------------------

**Harmonised Wave Indicator – 3-waves**

Wave 1	1
Wave 2	2
Wave 3	3
<i>Wave only in NEPS SC4</i>	<i>-11</i>

**Note:** This variable covers a three-wave rather than six-wave set and indicates the most accurate temporal fit of the CILS4EU and NEPS SC4 waves. That is, wave 1, wave 3 and wave 5 from the NEPS SC4. For further details please refer to the the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

### 3.2 Tracking and Filter Variables

Variable: H_dtset
----------------------

#### Dataset Information

CILS4EU_w1-3	1
NEPS_SC4_w1-6	2

**Note:** This variable specifies from which dataset the respective observations were taken.

Variable: H_trackingC
--------------------------

#### Tracking Variable: CILS4EU waves

Only Wave 1	1
Only Wave 2	2
Only Wave 3	3
Only Wave 5	5
Wave 1 & Wave 2	12
Wave 1 & Wave 3	13
Wave 1 & Wave 5	15
Wave 2 & Wave 3	23
Wave 1 & Wave 2 & Wave 3	123

Variable:  
H\_trackingN

**Tracking Variable: NEPS SC4 waves**

Only Wave 1	1
Only Wave 2	2
Only Wave 3	3
Only Wave 5	5
Wave 1 & Wave 2	12
Wave 1 & Wave 3	13
Wave 1 & Wave 5	15
Wave 2 & Wave 3	23
Wave 2 & Wave 5	25
Wave 3 & Wave 4	34
Wave 3 & Wave 5	35
Wave 5 & Wave 6	56
Wave 1 & Wave 2 & Wave 3	123
Wave 1 & Wave 2 & Wave 5	125
Wave 1 & Wave 3 & Wave 4	134
Wave 1 & Wave 3 & Wave 5	135
Wave 1 & Wave 5 & Wave 6	156
Wave 2 & Wave 3 & Wave 4	234
Wave 2 & Wave 3 & Wave 5	235
Wave 2 & Wave 5 & Wave 6	256
Wave 3 & Wave 4 & Wave 5	345
Wave 3 & Wave 5 & Wave 6	356
Wave 1 & Wave 2 & Wave 3 & Wave 4	1234
Wave 1 & Wave 2 & Wave 5 & Wave 6	1256
Wave 1 & Wave 3 & Wave 4 & Wave 5	1345
Wave 1 & Wave 3 & Wave 5 & Wave 6	1356
Wave 2 & Wave 3 & Wave 4 & Wave 5	2345
Wave 2 & Wave 3 & Wave 5 & Wave 6	2356
Wave 3 & Wave 4 & Wave 5 & Wave 6	3456
Wave 1 & Wave 2 & Wave 3 & Wave 4 & Wave 5	12345
Wave 1 & Wave 2 & Wave 3 & Wave 5 & Wave 6	12356
Wave 1 & Wave 3 & Wave 4 & Wave 5 & Wave 6	13456
Wave 2 & Wave 3 & Wave 4 & Wave 5 & Wave 6	23456
Wave 1 & Wave 2 & Wave 3 & Wave 4 & Wave 5 & Wave 6	123456

Variable:  
H\_filter\_balanced

**Filter: Participation in all waves**

Panel not balanced	0
Panel balanced	1

**Note:** This variable is based on H\_wave2. If all respondents participated in all three harmonised waves (i.e. CILS4EU wave 1, wave 2, wave 3 and in the NEPS SC4 wave 1, wave 3 and wave 5) the panel is balanced. For more detailed information, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

### 3.3 Socio-Demography and Migration

#### 3.3.1 General Information

<p>Item 1: <b>Sex Indicator</b></p> <p>Variable: H_sx</p> <p>H_wave: 1-6</p> <p>H_wave2: 1-3</p>	<p>CILS4EU/NEPS SC4: <b>Are you...</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Male</td> <td style="text-align: right;">1</td> </tr> <tr> <td>Female</td> <td style="text-align: right;">2</td> </tr> </table> <p><b>Note:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="border-bottom: 1px solid black;">Source Variables</th> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">CILS4EU:</td> <td style="padding: 2px;">NEPS SC4:</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w1: y1_sex</td> <td style="padding: 2px;">w1-3, w5: t700031</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w2: y2_sex</td> <td style="padding: 2px;">w3-6: t700001</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w3: y3_sex</td> <td style="padding: 2px;"></td> </tr> </table> <div style="background-color: #76b82a; color: white; text-align: center; padding: 2px; margin-top: 5px;">Classification: Unproblematic</div>	Male	1	Female	2	Source Variables		CILS4EU:	NEPS SC4:	w1: y1_sex	w1-3, w5: t700031	w2: y2_sex	w3-6: t700001	w3: y3_sex																					
Male	1																																		
Female	2																																		
Source Variables																																			
CILS4EU:	NEPS SC4:																																		
w1: y1_sex	w1-3, w5: t700031																																		
w2: y2_sex	w3-6: t700001																																		
w3: y3_sex																																			
<p>Item 2: <b>Day of birth, Month</b></p> <p>Variable: H_dobm</p> <p>H_wave: 1-6</p> <p>H_wave2: 1-3</p>	<p>CILS4EU/NEPS SC4: <b>When were you born? Month</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 80%;">January</td><td style="text-align: right;">1</td></tr> <tr><td>February</td><td style="text-align: right;">2</td></tr> <tr><td>March</td><td style="text-align: right;">3</td></tr> <tr><td>April</td><td style="text-align: right;">4</td></tr> <tr><td>May</td><td style="text-align: right;">5</td></tr> <tr><td>June</td><td style="text-align: right;">6</td></tr> <tr><td>July</td><td style="text-align: right;">7</td></tr> <tr><td>August</td><td style="text-align: right;">8</td></tr> <tr><td>September</td><td style="text-align: right;">9</td></tr> <tr><td>October</td><td style="text-align: right;">10</td></tr> <tr><td>November</td><td style="text-align: right;">11</td></tr> <tr><td>December</td><td style="text-align: right;">12</td></tr> </table> <p><b>Note:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="border-bottom: 1px solid black;">Source variables</th> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">CILS4EU:</td> <td style="padding: 2px;">NEPS SC4:</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w1: y1_dobm</td> <td style="padding: 2px;">w1-3, w5: t70004m</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w2: y2_dobm</td> <td style="padding: 2px;">w3-6: t70000m</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 2px;">w3: y3_dobm</td> <td style="padding: 2px;"></td> </tr> </table> <div style="background-color: #76b82a; color: white; text-align: center; padding: 2px; margin-top: 5px;">Classification: Unproblematic</div>	January	1	February	2	March	3	April	4	May	5	June	6	July	7	August	8	September	9	October	10	November	11	December	12	Source variables		CILS4EU:	NEPS SC4:	w1: y1_dobm	w1-3, w5: t70004m	w2: y2_dobm	w3-6: t70000m	w3: y3_dobm	
January	1																																		
February	2																																		
March	3																																		
April	4																																		
May	5																																		
June	6																																		
July	7																																		
August	8																																		
September	9																																		
October	10																																		
November	11																																		
December	12																																		
Source variables																																			
CILS4EU:	NEPS SC4:																																		
w1: y1_dobm	w1-3, w5: t70004m																																		
w2: y2_dobm	w3-6: t70000m																																		
w3: y3_dobm																																			

Item 3: **Day of birth, Year**

Variable:  
H\_doby

H\_wave:  
1-6  
H\_wave2  
1-3

CILS4EU/NEPS SC4: **When were you born? Year**

Numeric:

F 4.0

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_doby	w1-3, w5: t70004y
w2: y2_doby	w3-6: t70000y
w3: y3_doby	

Classification: Unproblematic

## 3.3.2 Household Situation

Item 4: **Household members: Biological mother, adoptive mother, foster mother**

Variable:  
H\_hhm1

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Biological mother** (y\*\_hhm1)

CILS4EU: [...] **Adoptive mother?** (y\*\_hhm3)

CILS4EU: [...] **Foster mother?** (y\*\_hhm7)

NEPS SC4: **Who normally lives at home with you? biological mother, adoptive mother, foster mother**

Not ticked 0  
Ticked 1

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_hhm1	w1-w3, w5: t74305a
w3: y3_hhm1	w3, w5: t743024
w1: y1_hhm3	
w3: y3_hhm3	
w1: y1_hhm7	
w3: y3_hhm7	

Classification: Unproblematic

Item 5: **Household members: Biological father, adoptive father, foster father**

Variable:  
H\_hhm2

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Biological father** (y\*\_hhm2)

CILS4EU: [...] **Adoptive father?** (y\*\_hhm4)

CILS4EU: [...] **Foster father?** (y\*\_hhm8)

NEPS SC4: **Who normally lives at home with you? biological father, adoptive father, foster father**

Not ticked 0  
Ticked 1

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_hhm2	w1-w3, w5: t74305c
w3: y3_hhm2	w3, w5: t743025
w1: y1_hhm4	
w3: y3_hhm4	
w1: y1_hhm8	
w3: y3_hhm8	

Classification: Unproblematic



**Item 6: Household members: Stepmother**

Variable:  
H\_hhm3

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Stepmother**

NEPS SC4: **Who normally lives at home with you? stepmother or father's girlfriend**

Not ticked	0
Ticked	1

**Note:**

Source variables

CILS4EU: w1: y1_hhm5 w3: y3_hhm5	NEPS SC4: w1-w3, w5: t74305b
--	---------------------------------

Classification: Unproblematic

**Item 7: Household members: Stepfather**

Variable:  
H\_hhm4

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Stepfather**

NEPS SC4: **Who normally lives at home with you? stepfather or mother's boyfriend**

Not ticked	0
Ticked	1

**Note:**

Source variables

CILS4EU: w1: y1_hhm6 w3: y3_hhm6	NEPS SC4: w1-w3, w5: t74305d
--	---------------------------------

Classification: Unproblematic

**Item 8: Household members: Siblings and/or Stepsiblings**

Variable:  
H\_hhm5

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Brothers (including step-/half-brother)**

NEPS SC4: **And with whom are you currently living in your household? Siblings and/or stepsiblings**

Not ticked 0  
Ticked 1

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_hhm9	w1-w3, w5: t74305e
w3: y3_hhm9	w3, w5: t743026
w1: y1_hhm10	
w3: y3_hhm10	

Classification: Unproblematic

**Item 9: Household members: Grandparents**

Variable:  
H\_hhm6

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **Besides you, who lives in your home? Grandparents**

NEPS SC4: **Who normally lives at home with you? Grandmother and/or grandfather**

Not ticked 0  
Ticked 1

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_hhm11	w1-w3, w5: t74305f
w3: y3_hhm11	w3, w5: t743027

Classification: Unproblematic

**Item 10: Household members: Other family members**

Variable:  
H\_hhm7

H\_wave:  
1,3,5  
H\_wave2  
1-3

CILS4EU: **Besides you, who lives in your home? Other family members**

NEPS SC4: **And with whom are you currently living in your household? With other relatives**

Not ticked	0
Ticked	1

**Note:**

Source variables

CILS4EU: w1: y1_hhm12 w3: y3_hhm12	NEPS SC4: w3, w5: t743030
--	------------------------------

Classification: Unproblematic

**Item 11: Other persons**

Variable:  
H\_hhm8

H\_wave:  
1,2,3,5  
H\_wave2  
1-3

CILS4EU: **Besides you, who lives in your home? Other persons**

NEPS SC4: **Who normally lives at home with you? Other persons**

Not ticked	0
Ticked	1

**Note:**

Source variables

CILS4EU: w1: y1_hhm13 w3: y3_hhm13	NEPS SC4: w1-w3, w5: t74305g w3, w5: t743031
--	--

Classification: Unproblematic

Item 12: **Household size**

Variable:  
H\_hhm9

H\_wave:  
1,2,3,5  
H\_wave2  
1-3

CILS4EU: **How many people in total live in your home, including yourself?**

NEPS SC4: **Who normally lives at home with you? Other persons**

Numeric:

F 2.0

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_hhsit3	w1-w3, w5: t741002
w3: y3_hhsit3	w3, w5: t741001

Classification: Unproblematic

3.3.3 Social Background

Item 13: **Mother's education (broad)**

Variable:  
H\_edum

H\_wave:  
1,2,3,5  
H\_wave2  
1-3

CILS4EU: **Did your mother complete primary school (or similar foreign education)?** (y\*\_educm1)

CILS4EU: **Did your mother complete secondary school?** (y\*\_educm2)

CILS4EU: **Did your mother complete university?** (y\*\_educm3)

CILS4EU: **What is your mother's highest education?** (y\*\_educm\_nl)

NEPS SC4: **What is your parents' highest educational qualification?**

No school degree/primary education	1
Secondary education	2
Tertiary education	3

**Note:** CILS4EU: y3\_educm\_nl was only asked in the long version of the Dutch questionnaire.

Source variables

CILS4EU: w1: y1_educm3 w2: y2_educm3 w3: y3_educm3 w1: y1_educm2 w2: y2_educm2 w3: y3_educm2 w1: y1_educm1 w2: y2_educm1 w3: y3_educm1 w3: y3_educm_nl	NEPS SC4: w1-w3, w5: t731320
--	---------------------------------

Classification: Unproblematic

**Item 14: Father's education (broad)**

Variable:  
H\_eduf  
  
H\_wave:  
1,2,3,5  
H\_wave2  
1-3

CILS4EU: **Did your father complete primary school (or similar foreign education)?** (y\*\_educf1)  
 CILS4EU: **Did your father complete secondary school?** (y\*\_educf2)  
 CILS4EU: **Did your father complete university?** (y\*\_educf3)  
 CILS4EU: **What is your father's highest education?** (y\*\_educf\_nl)

NEPS SC4: **What is your parents' highest educational qualification?**

No school degree/primary education	1
Secondary education	2
Tertiary education	3

**Note:** CILS4EU: y3\_educf\_nl was only asked in the long version of the Dutch questionnaire.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_educf3	w1-w3, w5: t731370
w2: y2_educf3	
w3: y3_educf3	
w1: y1_educf2	
w2: y2_educf2	
w3: y3_educf2	
w1: y1_educf1	
w2: y2_educf1	
w3: y3_educf1	
w3: y3_educf_nl	

Classification: Unproblematic

**Item 15: Employment status mother**

Variable:  
H\_empsm  
  
H\_wave:  
1,2,3,5,6  
H\_wave2  
1-3

CILS4EU: **Does your mother currently have a job?**

NEPS SC4: **Are your parents currently working? Mother**

No	0
Yes	1

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_emplm	w1-w3, w5: t31420
w2: y2_emplm	w6: t731411
w3: y3_emplm	

Classification: Unproblematic

**Item 16: Employment status father**

Variable:  
H\_empsf

H\_wave:  
1,2,3,5,6  
H\_wave2:  
1-3

CILS4EU: **Does your father currently have a job?**

NEPS SC4: **Are your parents currently working? Father**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_emplf w2: y2_emplf w3: y3_emplf	NEPS SC4: w1-w3, w5: t731470 w6: t731461
--	--

Classification: Unproblematic

**Item 17: Occupation mother ISCO-08**

Variable:  
H\_ocmisco

H\_wave:  
1,2,3,5,6  
H\_wave2:  
1-3

CILS4EU: **Think about your mother's job. If she is not currently working, think about her last job. What is the name of her job?**

NEPS SC4: **What professions do your parents currently pursue? Mother**

Coding lists provided in Appendix C

**Note:**

Source variables

CILS4EU: w1: y1_isco08m w3: y3_isco08m	NEPS SC4: w1-w3, w5: t731422_g4 w6: t731413_g4
--	--

Classification: Unproblematic

Item 18: **Occupation  
father ISCO-08**

Variable:  
H\_ocfisco

H\_wave:  
1,2,3,5,6  
H\_wave2  
1-3

CILS4EU: **Think about your father's job. If he is not currently working, think about his last job. What is the name of his job?**

NEPS SC4: **What professions do your parents currently pursue? Father**

Coding lists provided in Appendix C

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_isco08f	w1-w3, w5: t731472_g4
w3: y3_isco08f	w6: t731463_g4

Classification: Unproblematic



## 3.3.4 Migration History

<p>Item 19: <b>Born in Survey Country</b></p> <p>Variable: H_counSC</p> <p>H_wave: 1,2,3,5</p> <p>H_wave2: 1-3</p>
--

CILS4EU/NEPS SC4: **In which country were you born?**

Survey country	1
Outside survey country	2

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_cobRV	w1-w3, w5: t400000_g1R
w2: y2_cobRV	w3: t405000

Classification: Unproblematic

<p>Item 20: <b>Age at migration</b></p> <p>Variable: H_miga</p> <p>H_wave: 1,2,3</p> <p>H_wave2: 1-3</p>
--

CILS4EU: **How old were you when you moved to [survey country]?**

NEPS SC4: **If you were not born in Germany: How old were you when you moved to Germany?**

Numeric:	F 2.0
----------	-------

**Note:** CILS4EU: Waves 1 & 2: Only for respondents who were not born in survey country. (CILS: y1\_cobRV=2; y2\_cobRV=2).

NEPS SC4: Please consider survey filter in the programming templates for CATI, CAPI and CAWI interviews.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_migage	w1-w3, w5: t400030
w2: y2_migage	

Classification: Unproblematic

**Item 21: Citizenship survey country**

Variable:  
H\_citSC

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

**CILS4EU: What is your nationality? (reduced version)**

**NEPS SC4: Citizenship (number of entries) (t40115a\_g1)**

**NEPS SC4: Citizenship (first entry) (t40115a\_g2R)**

Only survey country nationality	1
Survey country and other nationality	2
Only other nationality	3
Stateless	997
Unclear	998

**Note:**

Source variables	
CILS4EU:	NEPS SC4:
w1: y1_nationRV	w1-w3, w5: t40115a_g1
w3: y3_nationRV	w1-w3, w5: t40115a_g[2-4]R

**Classification: Unproblematic**

**Item 22: Mother born in survey country**

Variable:  
H\_mbsv

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

**CILS4EU: In which country was your biological mother born?**

**NEPS SC4: In what country was your mother born?**

Survey country	1
Outside survey country	2

**Note:**

Source variables	
CILS4EU:	NEPS SC4:
w1: y1_cobmRV	w1, w2, w5: t400070_g1R
w2: y2_cobmRV	
w3: y3_cobmRV	

**Classification: Unproblematic**

Item 23: **Country of birth, mother**

Variable:  
H\_cobm

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **In which country was your biological mother born?**

NEPS SC4: **In what country was your mother born?**

Coding Lists provided in Appendix AB

**Note:** For the harmonised items, the reference coding is the country coding according to CILS4EU (see Appendix A). For regional groups, for which no exact match with the CILS4EU coding was possible, a 4-digit code was assigned. This code always starts with 15XX and is indicated in the respective label. For example, 1501 "NEPS SC4: Yugoslavia" or 1502 "CILS4EU: The Former Yugoslav Republic of Macedonia". A complete list of the country codes used for the harmonised items is provided in Appendix AB.

Source variables

CILS4EU: w1: y1_cobm w2: y2_cobm w3: y3_cobm	NEPS SC4: w1-w3, w5: t400070_g1R
---	-------------------------------------

Classification: Unproblematic

Item 24: **Father born in survey country**

Variable:  
H\_fbsv

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **In which country was your biological father born?**

NEPS SC4: **In what country was your father born?**

Survey country	1
Outside survey country	2

**Note:**

Source variables

CILS4EU: w1: y1_cobfRV w2: y2_cobfRV w3: y3_cobfRV	NEPS SC4: w1-w3, w5: t400090_g1R
---	-------------------------------------

Classification: Unproblematic

**Item 25: Country of birth, father**

Variable:

H\_cobf

H\_wave:

1,2,3,5

H\_wave2:

1-3

CILS4EU: **In which country was your biological father born?**NEPS SC4: **In what country was your father born?**

Coding Lists provided in Appendix AB

**Note:** For the harmonised items, the reference coding is the country coding according to CILS4EU (see Appendix A). For regional groups, for which no exact match with the CILS4EU coding was possible, a 4-digit code was assigned. This code always starts with 15XX and is indicated in the respective label. For example, 1501 "NEPS SC4: Yugoslavia" or 1502 "CILS4EU: The Former Yugoslav Republic of Macedonia". A complete list of the country codes used for the harmonised items is provided in Appendix AB.

## Source variables

CILS4EU: w1: y1_cobf w2: y2_cobf w3: y3_cobf	NEPS SC4: w1-w3, w5: t400090_g1R
---	-------------------------------------

Classification: Unproblematic

**Item 26: Stay tendency**

Variable:

H\_stay

H\_wave:

1,2,5

H\_wave2:

1, 3

CILS4EU: **When you are 30 years old, do you think you will be living in [survey country]?**NEPS SC4: **What about you at present: How long will you probably be living in Germany?**

Probably no	0
Probably yes	1

**Note:**

## Source variables

CILS4EU: w1: y1_futsc1 w3: y3_futsc1	NEPS SC4: w2: t421010
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Classification: More Complicated

### 3.4 Structural Integration

#### 3.4.1 School-Performance

Item 27: Subjective school performance, Math

Variable:  
H\_spm

H\_wave:  
1,3

H\_wave2:  
1,2

CILS4EU: How well are you doing in the following subjects? Math

NEPS SC4: How are you doing in school? I get good grades in mathematics.

Very well	1	1.30
Quite well	2	2.37
OK	3	3.44
Not that well	4	4.51
Not well at all	5	

**Note:** CILS4EU: Only for respondents who currently attend the same school as last year (CILS: y2\_csit1=1) or who currently attend any type of general educational school (CILS: y2\_s\_csit2CS≥1 & y2\_s\_csit2CS≤12).

Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_sspm	w1: t66001a
w2: y2_sspm	

Classification: More complicated

Item 28: **Subjective school performance, Survey country language**

Variable:

H\_spcl

H\_wave:

1,3

H\_wave2:

1,2

CILS4EU: **How well are you doing in the following subjects? [Survey country language]**

NEPS SC4: **How are you doing in school? I get good grades in German.**

Very well	1	1.27
Quite well	2	2.29
OK	3	3.31
Not that well	4	4.33
Not well at all	5	

**Note:** CILS4EU: Only for respondents who currently attend the same school as last year (CILS: y2\_csit1=1) or who currently attend any type of general educational school (CILS: y2\_s\_csit2CS≥1 & y2\_s\_csit2CS≤12).

Decimal numbers result from linear equating within the harmonization procedure. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_sspsc	w1: t66000c
w2: y2_sspsc	

Classification: More complicated

Item 29: **Math grade**

Variable:

H\_gm\_ge

H\_wave:

1,2,3,5

H\_wave2:

1-3

CILS4EU: **What grades did you get in your last school report? Math (Germany)**NEPS SC4: **What grade did you have on last year's final report card in Mathematics?**

Very good (1)	1
Good (2)	2
Satisfactory (3)	3
Sufficient (4)	4
Inadequate (5)	5
Unsatisfactory (6)	6

**Note:** CILS4EU:

Wave3: Only for respondents who did still attend school during the last school year (CILS: y3\_set != 3).

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_gradem_ge	w1, w3, w5: t724102
w2: y2_gradem_ge	w2, w3: t724112
w3: y3_gradem_ge	w3: tf11227

Classification: Unproblematic

Item 30: **German grade**

Variable:

H\_gg\_ge

H\_wave:

1,2,3,5

H\_wave2:

1-3

CILS4EU: **What grades did you get in your last school report? [Survey country language] (Germany)**NEPS SC4: **What grade did you have on last year's final report card in German?**

Very good (1)	1
Good (2)	2
Satisfactory (3)	3
Sufficient (4)	4
Inadequate (5)	5
Unsatisfactory (6)	6

**Note:** CILS4EU: Wave 3: Only for respondents who did still attend school during the last school year (CILS: y3\_set != 3). This question was only asked in Germany.

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_gradesc_ge	w1, w3, w5: t724101
w2: y2_gradesc_ge	w2, w3: t724111
w3: y3_gradesc_ge	w3: tf11229

Classification: Unproblematic

Item 31: **English grade**

Variable:

H\_ge\_ge

H\_wave:

1,3,5

H\_wave2:

1-3

CILS4EU: **What grades did you get in your last school report? English (Germany)**NEPS SC4: **What grade did you have on last year's final report card in English?**

Very good (1)	1
Good (2)	2
Satisfactory (3)	3
Sufficient (4)	4
Inadequate (5)	5
Unsatisfactory (6)	6

**Note:** CILS4EU: Wave 3: Only for respondents who did still attend school during the last school year (y3\_set != 3).

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_gradee_ge	w5: t724103
w2: y2_gradee_ge	
w3: y3_gradee_ge	

Classification: Unproblematic

Item 32: **Repeated school year**

Variable:

H\_reps

H\_wave:

1-4,6

H\_wave2:

1-3

CILS4EU: **Have you ever repeated a year at school?**NEPS SC4: **Looking back at your entire time in school, were you ever kept back or had to repeat a year?**

No	0
Yes	1

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_repeat	w1-w3, w5: t725020
w2: y2_repeat	w3-w6: t725000

Classification: Unproblematic



## 3.4.2 Attitudes towards School

Item 33: **Idealistic educational aspirations**Variable:  
H\_ieaspH\_wave:  
1,3,5H\_wave2:  
1-3CILS4EU: **What is the highest level of education you wish to get? (Harmonised)**NEPS SC4: **What kind of school-leaving certificate would you like to obtain?**

No degree	1
Degree below upper secondary school	2
Degree from upper secondary school	3

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_edasp1H	w1: t31035a
w2: y2_edasp1H	w5: t31035e
w3: y3_edasp1H	

Classification: Unproblematic

Item 34: **Realistic educational aspirations**Variable:  
H\_reaspH\_wave:  
1,3,5H\_wave2:  
1-3CILS4EU: **And what is the highest level of education that you think you will actually get? (Harmonised)**NEPS SC4: **What qualification will you actually leave school with?**

No degree	1
Degree below upper secondary school	2
Degree from upper secondary school	3

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_edasp2H	w1: t31135a
w2: y2_edasp2H	w5: t31135e
w3: y3_edasp2H	

Classification: Unproblematic

**Item 35: Parents' educational aspirations**

Variable:

H\_peasp

H\_wave:

1,3

H\_wave2:

1-3

CILS4EU: **And what is the highest level of education that your parents want you to get? (Harmonised)**

NEPS SC4: **What highest school-leaving qualification would your parents like you to have?**

No degree	1
Degree below upper secondary school	2
Degree from upper secondary school	3
<i>My parents have no opinion.</i>	-4

**Note:**

Source variables

CILS4EU:

w1: y1\_edasp3H

w2: y2\_edasp3H

NEPS SC4:

w1: t320401

Classification: Unproblematic

**Item 36: Self-efficacy - do well at school**

Variable:

H\_sesch

H\_wave:

1,3

H\_wave2:

1,2

CILS4EU: **How much do you agree or disagree with each of these statements? I am sure that I can do well at school.**

NEPS SC4: **How are you doing in school? I'm good in most subjects.**

	0.57
Strongly agree	1
	1.43
Agree	2
	2.29
Neither agree nor disagree	3
	3.15
Disagree	4
Strongly disagree	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure: In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report: Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:

w1: y1\_seff1

w2: y2\_seff1

NEPS SC4:

w1: t66002c

Classification: More complicated

Item 37: **Self-efficacy - good grades at school**

Variable:  
H\_segrad

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **How much do you agree or disagree with each of these statements? I am sure that I can get good grades at school.**

NEPS SC4: **How are you doing in school? In most school subjects I do well in class tests.**

	0.60
Strongly agree	1
	1.46
Agree	2
	2.32
Neither agree nor disagree	3
	3.18
Disagree	4
Strongly disagree	5

**Note:** CILS4EU: Wave 3: Only for respondents who currently attend any type of general educational school (CILS:  $y3\_s\_csit2CS \geq 1$  &  $y3\_s\_csit2CS \leq 13$ ;  $y3\_s\_csit2CS = 19$ )

Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_seff2	w1: t66002b
w2: y2_seff2	
w3: y3_s_seff2	

Classification: More complicated

Item 38: **Status attainment compared to parents**

Variable:  
H\_statp

H\_wave:  
1,2

H\_wave2:  
1

CILS4EU: **How much do you agree or disagree with each of these statements? It is very important for me to get an education at least to the same level as my parents.**

NEPS SC4: **How important is it to you to have a similar or better leaving certificate than your mother/father?**

Strongly agree	1
	1.52
Agree	2
	2.43
Neither agree nor disagree	3
	3.34
Disagree	4
	4.24
Strongly disagree	5
	5.16

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_stat1	w2: t30535a
	w2: t30535b

Classification: More complicated

Item 39: **Help from teacher**

Variable:  
H\_helpt

H\_wave:  
1,5

H\_wave2:  
1,3

CILS4EU: **How much do you agree or disagree with each of these statements? I get the help that I need from the teachers at school.**

NEPS SC4: **If you think about classes in school in general – how much do the following statements apply? If I need additional help, I get it from my teachers.**

	0.25
Strongly agree	1
	1.48
Agree	2
	2.71
Neither agree nor disagree	3
	3.94
Disagree	4
Strongly disagree	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soine, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:

w1: y1\_tenc1

NEPS SC4:

w5: t22452i, t254052, t254001

Classification: More complicated

Item 40: **Success probability at lower secondary school**

Variable:  
H\_suclo

H\_wave:  
2,3

H\_wave2:  
2

CILS4EU: **Do you think you would succeed in studying at lower secondary school?**

NEPS SC4: **How likely is it that you could obtain a school-leaving certificate of a lower secondary school (Hauptschule)?**

Yes, definitely	1	1.12
Yes, probably	2	2.14
Possibly	3	3.17
No, probably not	4	4.19
No, definitely not	5	5.22

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w2: y2_sucpr1	NEPS SC4: w2, w3: t30035a
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Classification: More complicated

Item 41: **Success probability at intermediate secondary school**

Variable:  
H\_sucint

H\_wave:  
2,3

H\_wave2:  
2

CILS4EU: **Do you think you would succeed in studying at intermediate secondary school?**

NEPS SC4: **How likely is it that you could obtain a school-leaving certificate of an intermediate secondary school (Realschule)?**

Yes, definitely	1	1.14
Yes, probably	2	2.16
Possibly	3	3.17
No, probably not	4	4.18
No, definitely not	5	5.20

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w2: y2_sucpr2	NEPS SC4: w2, w3: t30035b
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Classification: More complicated

Item 42: **Success probability at upper secondary school**

Variable:  
H\_sucup

H\_wave:  
2,3

H\_wave2:  
2

CILS4EU: **Do you think you would succeed in studying at upper secondary school?**

NEPS SC4: **How likely is it that you could pass the Abitur?**

Yes, definitely	1
	1.15
Yes, probably	2
	2.06
	2.96
Possibly	3
	3.86
No, probably not	4
	4.77
No, definitely not	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w2: y2_sucpr3	NEPS SC4: w2, w3: t30035c
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Classification: More complicated



## 3.4.3 Future Plans

Item 43: Source of information on future education: Parents

Variable:  
H\_infoedupar

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Parents

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Parents

No	-0.49
	0
	0.10
	0.68
Yes	1
	1.27

**Note:**

Source variables

CILS4EU: w2: y2_infofut2	NEPS SC4: w1-w3: tf0023c
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Classification: More complicated

Item 44: Source of information on future education: Other relatives

Variable:  
H\_infoeduor

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Siblings (y2\_infofut3)

CILS4EU: Where did you get information about your future education (including vocational education)? Other relatives (y2\_infofut4)

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Other relatives (siblings, aunt, uncle...)

No	-0.57
	0
	0.4
	0.65
Yes	1
	1.25

**Note:**

Source variables

CILS4EU: w2: y2_infofut3 w2: y2_infofut4	NEPS SC4: w1-w3: tf0023d
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Classification: More complicated

Item 45: Source of information on future education: (Other) friends

Variable:  
H\_infoedufr

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Other friends

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Friends

		-0.7
		-0.08
No		0
		0.54
Yes		1
		1.16

**Note:**

Source variables

CILS4EU: w2: y2_infofut6	NEPS SC4: w1-w3: tf0023e
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Classification: More complicated

Item 46: Source of information on future education: Internship

Variable:  
H\_infoeduint

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Internship

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Internship

		-0.96
		-0.30
No		0
		0.36
Yes		1
		1.01

**Note:**

Source variables

CILS4EU: w2: y2_infofut7	NEPS SC4: w1-w3: tf0023h
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Classification: More complicated

Item 47: Source of information on future education: Career counselors

Variable:  
H\_infoeducoun

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)?

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Career counselors or social pedagogues at the school

No	-0.49
	0
	0.04
Yes	0.57
	1
	1.1

**Note:**

Source variables

CILS4EU: w2: y2_infout8	NEPS SC4: w1-w3: tf0023g
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Classification: More complicated

Item 48: Source of information on future education: Teachers

Variable:  
H\_infoedutch

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Teachers

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Teachers

No	-0.42
	0
	0.14
Yes	0.71
	1
	1.28

**Note:**

Source variables

CILS4EU: w2: y2_infout9	NEPS SC4: w1-w3: tf0023f
----------------------------	-----------------------------

Classification: More complicated

Item 49: Source of information on future education: Media

Variable:  
H\_infoedumed

H\_wave:  
1,2,3

H\_wave2:  
1,2

CILS4EU: Where did you get information about your future education (including vocational education)? Internet (y2\_infout10)

CILS4EU: Where did you get information about your future education (including vocational education)? Newspapers (y2\_infout11)

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Media (internet, newspapers/-magazines, television/radio)

		-0.50
No		0
		0.10
		0.70
Yes		1
		1.30

**Note:**

Source variables

CILS4EU: w2: y2_infout10 w2: y2_infout11	NEPS SC4: w1-w3: tf0023b
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Classification: More complicated

Item 50: Source of information on future education: Job centers/career guidance

Variable:  
H\_infoeducenter

H\_wave:  
1,2,3

H\_wave2:

CILS4EU: Where did you get information about your future education (including vocational education)? Job centers

NEPS SC4: If you are looking for a vacant training position, how important are the following information options for you? Job center/Career guidance/Employment agency/Vocational information center (BIZ)

		-0.77
		-0.22
No		0
		0.33
		0.88
Yes		1

**Note:**

Source variables

CILS4EU: w2: y2_infout12	NEPS SC4: w1-w3: tf0023a
-----------------------------	-----------------------------

Classification: More complicated

Item 51: **Realistic aspiration after school year**

Variable:  
H\_reaspsch

H\_wave:

1,2,3,5

H\_wave2:

1-3

CILS4EU: **What are you planning to do after this school year (after the summer holidays)? (harmonised)**

NEPS SC4: **What do you think you will really do after 9th grade?**

Further education	1
Working	2
Apprenticeship (company-based vocational training or vocational school)	3
Internship	4
Something else	5
None of these things (NEPS only)	6

**Note:**

Source variables

CILS4EU: w2: y2_planH w3: y3_planH	NEPS SC4: w1, w2: tf00020
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Classification: Unproblematic

Item 52: **Application status: job/apprenticeship/internship**

Variable:  
H\_appli

H\_wave:

3,5

H\_wave2:

2,3

CILS4EU: **Have you applied for a job/apprenticeship/internship already?**

NEPS SC4: **Since our last interview, have you applied for a training position?**

No	0
Yes	1

**Note:** CILS4EU:

Wave 2: Only for respondents who are planning to “work full-time”, do an “apprenticeship” or an “internship” (EN, NL and SW: y2\_planH=2 | y2\_planH=3 | y2\_planH=4; GE: y2\_plan1\_ge – y2\_plan7\_ge=4 | y2\_plan1\_ge – y2\_plan7\_ge=5 | y2\_plan1\_ge – y2\_plan7\_ge=6).

Source variables

CILS4EU: w2: y2_appl	NEPS SC4: w3, w5: tf40102
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Classification: Unproblematic

Item 53: **Idealistic occupational aspirations - ISCO08**

Variable:  
H\_aspideala

H\_wave:  
2,3,5  
H\_wave2:  
2,3

CILS4EU: **What occupation would you like to have as an adult?**

NEPS SC4: **What would be your dream job then?**

Numeric: F 4.0

**Note:**

Source variables

CILS4EU: w2: y2_isco08asp w3: y3_isco08asp	NEPS SC4: w2, w3, w5: t31060a_g4
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Classification: Unproblematic

Item 54: **Job selection criteria: Helping others**

Variable:  
H\_jobalt

H\_wave:  
3  
H\_wave2:  
2

CILS4EU: **How important to you are the following aspects of a future occupation? That I can help people**

NEPS SC4: **How important are these things for you personally, regardless of your current situation? Opportunity to help others**

Very important	1 1.22
Fairly important	2 1.83
Not very important	3 2.44
Not at all important	4 3.04 3.65 4 4.26

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soine, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w2: y2_impjob2	NEPS SC4: w3: t66210n
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Classification: More complicated

## 3.4.4 Economic Situation

Item 55: **Side job/ mini-job/part-time job**

Variable:  
H\_sidejob

H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **Do you usually work outside of school?**

NEPS SC4: **Did you have a part-time job during this or the last school year in addition to school attendance and school vacation?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_work w2: y2_work w3: y3_work	NEPS SC4: w2: t261410
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Classification: Unproblematic

Item 56: **Monthly pocket money**

Variable:  
H\_pmon

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **Do you get pocket money from your parents? How much? (each month)**

NEPS SC4: **How much money do you have at your disposal on average from the following sources per month? Pocket money and regular financial contributions from parents, relatives or close friends**

Numeric:	F 7.2
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**Note:** CILS4EU: Waves 1-3: Only for respondents who get money from their parents each month (CILS: y1\_pmon=2; y2\_pmon=2; y3\_pmon=2)

Source variables

CILS4EU: w1: y1_pmonm w2: y2_pmonm w3: y3_pmonm	NEPS SC4: w1: t531035
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Classification: Unproblematic

**Item 57: Own a computer**Variable:  
H\_pospcH\_wave:  
1,2,3,5H\_wave2:  
1-3CILS4EU: **Do you have your own computer?**NEPS SC4: **Is there a computer you can use in your house?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_poss1	NEPS SC4: w1-w3, w5: t101000
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Classification: Unproblematic

**Item 58: Own room**Variable:  
H\_posrmH\_wave:  
1,2,3,5H\_wave2:  
1-3CILS4EU: **Do you have a room just for yourself?**NEPS SC4: **In your house is there ... a room just for you?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_poss3	NEPS SC4: w1-w3, w5: t34006b
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Classification: Unproblematic



## 3.4.5 Current Situation

## Item 59: Graduation grades: Overall grade

Variable:  
H\_gradfinH\_wave:  
3,5H\_wave2:  
2,3CILS4EU: **What overall grade did you get in your school-leaving certificate? (Germany)**NEPS SC4: **What was the approximate overall grade on your graduation certificate for this school-leaving qualification?**No grade in this subject 0  
Numeric: F 1.2**Note:** CILS4EU: Only for respondents who graduated during the or before the end of last school year (y3\_gradCS=4; y3\_gradCS=5; y3\_gradCS=6; y3\_gradbef\_ge=2; y3\_gradbef\_ge=3; y3\_gradbef\_ge=4).

## Source variables

CILS4EU: w3: y3_ggradeo_ge	NEPS SC4: w3: tf11218
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Classification: Unproblematic

## Item 60: Current grade at school

Variable:  
H\_gradeH\_wave:  
3,5H\_wave2:  
2,3CILS4EU: **Which grade do you currently attend? (Country-specific)**  
(y3\_s\_gradeCS)CILS4EU: **Which grade do you currently attend? Other grade (Country-specific)** (y2\_s\_gradeopCS)NEPS SC4: **What grade are you currently in at school?**

No grade (CILS4EU only)	0
Other grade	1
NL: 4th grade	4
NL: 5th grade	5
7th grade	7
8th grade	8
9th grade	9
10th grade	10
11th grade	11
12th grade	12
13th grade	13

**Note:** CILS4EU: Only for respondents who attend any “other grade” (y2\_s\_gradeCS=5; y2\_s\_gradeCS=9) and who currently attend any type of general educational school (CILS: y3\_s\_csit2CS≥1 & y3\_s\_csit2CS≤13; y3\_s\_csit2CS=19)

## Source variables

CILS4EU: w2: y2_s_gradeCS w3: y3_s_gradeCS	NEPS SC4: w5: tf11406
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Classification: Unproblematic

Item 61: **Current school type**

Variable:  
H\_schtype

H\_wave:  
3,5

H\_wave2:  
2,3

CILS4EU: **Which school type do you currently attend? (Country-specific)**

NEPS SC4: **What kind of school are you currently attending?**

GE: Lower secondary school (Hauptschule)	1
GE: Intermediate secondary school (Realschule)	2
GE: Combined lower/intermediate secondary school (Werkrealschule, Mittelschule, Wirtschaftsschule, etc.)	3
GE: Upper secondary school (Gymnasium)	4
GE: Comprehensive school (Gesamtschule)	5
GE: School for special needs (Förderschule)	6
GE: Rudolf-Steiner school (Waldorfschule)	7
GE: Vocational school (Berufsschule)	8
GE: Other school	9
NL: vmbo-basis (CILS4EU only)	10
NL: vmbo-kader (CILS4EU only)	11
NL: vmbo-gt (CILS4EU only)	12
NL: vmbo-t (CILS4EU only)	13
NL: havo (CILS4EU only)	14
NL: vwo (CILS4EU only)	15
NL: gymnasium (CILS4EU only)	16
NL: Other school type (CILS4EU only)	17
SW: Academic programme preparing for higher education (CILS4EU only)	18
SW: Vocational programme: school-located training (CILS4EU only)	19
SW: Vocational programme: workplace-based training (CILS4EU only)	20
SW: Introductory programme: preparatory course (CILS4EU only)	21
SW: Introductory programme: programme-oriented individual selection (CILS4EU only)	22
SW: Introductory programme: vocational introduction (CILS4EU only)	23
SW: Introductory programme: individual alternative (CILS4EU only)	24
SW: Introductory programme: language introduction (CILS4EU only)	25
SW: Other school type (CILS4EU only)	26

**Note:** CILS4EU: Only for respondents who currently attend “another school” (CILS: y2\_csit1=2; y3\_csit3H=1).

Source variables

CILS4EU: w2: y2_s_csit2CS w3: y3_s_csit2CS	NEPS SC4: w3, w5: tf11404
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Classification: Unproblematic

**Item 62: Apprenticeship  
ISCO 2008**

Variable:  
H\_aisco08

H\_wave:  
3,5  
H\_wave2:  
2,3

CILS4EU: **In which profession are you doing your apprenticeship?**

NEPS SC4: **And in what profession were you accepted for an apprenticeship?**

Numeric: F 4.0

**Note:** CILS4EU: Only for respondents who are currently doing an apprenticeship (CILS: y2\_sl\_csit3H=1)/ work-related training or who are currently attending any type of vocational school (CILS: y3\_csit3H=2 or (y3\_s\_csit2CS≥14 & y3\_s\_csit2CS≤18); y3\_s\_csit2CS=20).

ISCO 2008 was coded using these questions. An overview of the major, sub-major and unit groups is provided in Appendix C.

Source variables

CILS4EU: w2: y2_a_isco08 w3: y3_a_isco08	NEPS SC4: w3, w5: tf40137_g4
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Classification: Unproblematic

**Item 63: Vocational  
preparation number of  
applications**

Variable:  
H\_aplno

H\_wave:  
3,5  
H\_wave2:  
2,3

CILS4EU: **How many applications have you sent out?**

NEPS SC4: **How many times have you applied for a vocational training position in any profession?**

Numeric: F 3.0

**Note:** CILS4EU: Only for respondents who do a vocational preparation year because they did not find an apprenticeship or because they want to gain practical experience and receive further education (CILS: y2\_p\_rea=2 | y2\_p\_rea=3).

Source variables

CILS4EU: w2: y2_p_appln	NEPS SC4: w3, w5: tf40127
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Classification: Unproblematic

Item 64: **Apprenticeship-  
module: Success  
probability**

Variable:  
H\_apprfin

H\_wave:  
3,5

H\_wave2:  
2,3

CILS4EU: **How sure are you that you will finish your apprenticeship?**

NEPS SC4: **How likely is it, in your opinion, that you will successfully complete your vocational training program?**

	0.78
Very sure	1
	1.80
Sure	2
	2.83
Possible	3
	3.86
Unlikely	4
	4.88
Impossible	5

**Note:** CILS4EU: Only for respondents who are currently doing an apprenticeship (CILS: y2\_sl\_csit3H=1).

Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w2: y2_a_sucpr	NEPS SC4: w3, w5: t30050a
----------------------------	------------------------------

Classification: More complicated

### 3.5 Social Integration

#### 3.5.1 Romantic Relationships

Item 65: **Currently dating/partnership**

Variable:  
H\_dating

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **Do you have a boyfriend/girlfriend?**

NEPS SC4: **Do you currently have a permanent partner?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_date w2: y2_date w3: y3_date	NEPS SC4: w3: tf32310
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Classification: Unproblematic

Item 66: **Migration background partner**

Variable:  
H\_pmigb

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **What is his/her background? (Country-specific)**

NEPS SC4: **In which country was your partner born?**

No migration background	0
Migration background	1

**Note:** CILS4EU: Only for respondents who have a boyfriend/girlfriend (CILS: y1\_date=1; y2\_date=1; y3\_date=1).

Only for H\_dating=1.

Source variables

CILS4EU: w1: y1_pbackCS w2: y2_pbackCS w3: y3_pbackCS	NEPS SC4: w3: t407010_g2R
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Classification: Unproblematic

**Item 67: Partnership duration (months)**

Variable:  
H\_pdur

H\_wave:  
3

H\_wave2:  
2

CILS4EU: **Since when are you together with this boy/girl? Month**

NEPS SC4: **How long have you been together with <>?**

Numeric: (in months)

F 3.0

**Note:** CILS4EU: Only for respondents who have a boyfriend/girlfriend (CILS: y2\_date=1). Only for H\_dating=1.

Source variables

CILS4EU: w2: y2_pstartm w2: y2_pstarty	NEPS SC4: w3: tf32312
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Classification: Unproblematic

**Item 68: Children in future**

Variable:  
H\_chilfu

H\_wave:  
1,2

H\_wave2:  
1

CILS4EU: **When you are 30 years old, do you think you will have children?**

NEPS SC4: **How important is to you to have children sometime in the future?**

Probably yes

0.80

1

1.12

1.45

Probably no

1.77

2

2.10

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soine, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w1: y1_futchi	NEPS SC4: w2: t533010
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Classification: More complicated

3.5.2 Family Relations

Item 69: **Parental encouragement school achievement**

Variable:  
H\_penc

H\_wave:  
1,5

H\_wave2:  
1,3

CILS4EU: **How much do you agree or disagree with each of these statements? My parents show a lot of interest in my grades and my achievement in school.**

NEPS SC4: **How important is it for your parents that you have good grades in school?**

Strongly agree	1
	1.16
Agree	2
	2.74
Neither agree nor disagree	3
	3.53
Disagree	4
	4.32
Strongly disagree	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w1: y1_penc1	NEPS SC4: w1, w5: t320403
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Classification: More complicated

**Item 70: Family communication: Frequency of discussing political/social issues**

Variable:  
H\_pcom1

H\_wave:  
1,3  
H\_wave2:  
1,2

**CILS4EU: In general, how often does/do one or both of your parents do the following things with you? Talk to you about political and social issues.**

**NEPS SC4: How often does it normally happen that you talk with your mother or father about political or social issues?**

	0.93
Every day	1
Once or several times a week	1.81
	2
Once or several times a month	2.69
	3
	3.57
Less often	4
	4.44
Never	5

**Note:**

Source variables

CILS4EU: w2: y2_fcomm1	NEPS SC4: w1: t34010c
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Classification: More complicated

**Item 71: Family communication: Frequency of discussing movies/ TV shows**

Variable:  
H\_pcom2

H\_wave:  
1,3  
H\_wave2:  
1,2

**CILS4EU: In general, how often does/do one or both of your parents do the following things with you? Talk to you about books, films or TV programs.**

**NEPS SC4: How often does it normally happen that you talk with your mother or father about movies or TV programs?**

	0.97
Every day	1
Once or several times a week	1.91
	2
Once or several times a month	2.85
	3
	3.79
Less often	4
	4.73
Never	5

**Note:**

Source variables

CILS4EU: w2: y2_fcomm2	NEPS SC4: w1: t34010b
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Classification: More complicated



### 3.6 Cultural Integration

#### 3.6.1 Language

<p>Item 72: <b>Language proficiency survey country: Speak</b></p> <p>Variable: H_lpscS</p> <p>H_wave: 1,3,5</p> <p>H_wave2: 1-3</p>	<p>CILS4EU: <b>How well do you think you can speak [survey country language]?</b></p> <p>NEPS SC4: <b>How good is your command of the German language? Speaking</b></p>
	0.25
Not at all	1
Not well	1.37
Well	2
Very well	2.5
Excellently	3
	3.62
	4
	4.74
	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure: In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

#### Source variables

CILS4EU:	NEPS SC4:
w1: y1_lpsc1	w1, w5: t41030b
w2: y2_lpsc1	w5: t41331b
w3: y3_lpsc1	

Classification: More complicated

Item 73: **Language proficiency survey country: Comprehend**

Variable:  
H\_lpscC

H\_wave:  
1, 5

H\_wave2:  
1,3

CILS4EU: **How well do you think you can understand [survey country language]?**

NEPS SC4: **How good is your command of the German language? Comprehension**

	0.52
Not at all	1
	1.60
Not well	2
	2.68
Well	3
	3.76
Very well	4
	4.84
Excellently	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w1: y1_lpsc2	NEPS SC4: w1, w5: t41030a
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Classification: More complicated

Item 74: **Language proficiency survey country: Read**

Variable:  
H\_lpscR

H\_wave:  
1,5

H\_wave2:  
1,3

CILS4EU: **How well do you think you can read [survey country language]?**

NEPS SC4: **How good is your command of the German language? Reading**

Not at all	0.11 1
Not well	1.27 2
Well	2.43 3
Very well	3.59 4
Excellently	4.75 5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU: w1: y1_lpsc3	NEPS SC4: w1, w5: t41030c
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Classification: More complicated

Item 75: **Language proficiency survey country: Write**

Variable:  
H\_lpscW

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **How well do you think you can write [survey country language]?**

NEPS SC4: **How good is your command of the German language? Writing**

	-0.13
Not at all	1
	1.05
Not well	2
	2.23
Well	3
	3.41
Very well	4
	4.59
Excellently	5

**Note:** Decimal numbers result from linear equating within the harmonization procedure. In this table, the figures are rounded to two decimal places. For technical details, please refer to the technical report:  
Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Source variables

CILS4EU:	NEPS SC4:
w1: y1_lpsc4	w1, w5: t41030d
w2: y2_lpsc4	w5: t41331d
w3: y3_lpsc4	

Classification: More complicated

**Item 76: Second language**

Variable:

H\_slan

H\_wave:

1,3,5

H\_wave2:

1-3

CILS4EU: **Is there a language other than [survey country language] spoken at your home?**NEPS SC4: **You have learned another language beside German as a child: Which language is that?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_loc1 w2: y2_loc1 w3: y3_loc1	NEPS SC4: w1, w5: t410010_g1
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Classification: Unproblematic

**Item 77: Language proficiency second language: Speak**

Variable:

H\_slanS

H\_wave:

1,3,5

H\_wave2:

1-3

CILS4EU: **Think of the language you just ticked. How well do you think you can speak this (second) language?**NEPS SC4: **How good is your command of the other language? Speaking**

	0.78
Not at all	1
Not well	1.71
Well	2
Very well	2.65
Excellently	3
	3.58
	4
	4.51
	5

**Note:** CILS4EU: Only for respondents who speak another language at home (CILS: y1\_loc1=1; y2\_loc1=1; y3\_loc1=1 ).

Source variables

CILS4EU: w1: y1_lpoc1 w2: y2_lpoc1 w3: y3_lpoc1	NEPS SC4: w1, w5: t41040b w5: 41341b
--	--

Classification: More complicated

Item 78: **Language proficiency second language: Comprehend**

Variable:  
H\_slanC

H\_wave:  
1,5  
H\_wave2:  
1,3

CILS4EU: **Think of the language you just ticked. How well do you think you can understand this (second) language?**

NEPS SC4: **How good is your command of the other language? Comprehension**

Not at all	1
	1.64
Not well	2
	2.48
Well	3
	3.31
Very well	4
	4.14
	4.94
Excellently	5

**Note:** CILS4EU: Only for respondents who speak another language at home (CILS: y1\_loc1=1).

Source variables

CILS4EU: w1: y1_lpoc2	NEPS SC4: w1, w5: t41040a
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Classification: More complicated

Item 79: **Language proficiency second language: Read**

Variable:  
H\_slanR

H\_wave:  
1,5  
H\_wave2:  
1,3

CILS4EU: **Think of the language you just ticked. How well do you think you can read this (second) language?**

NEPS SC4: **How good is your command of the other language? Reading**

	-1.71
	-0.29
Not at all	1
	1.13
Not well	2
	2.55
Well	3
	3.97
Very well	4
Excellently	5

**Note:** CILS4EU: Only for respondents who speak another language at home (CILS: y1\_loc1=1).

Source variables

CILS4EU: w1: y1_lpoc3	NEPS SC4: w1, w5: t41040c
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Classification: More complicated

Item 80: **Language proficiency second language: Write**

Variable:  
H\_slanW

H\_wave:  
1,3,5  
H\_wave2:  
1-3

CILS4EU: **Think of the language you just ticked. How well do you think you can read this (second) language?**

NEPS SC4: **How good is your command of the other language? Writing**

		-2.11
		-0.71
		0.68
	Not at all	1
	Not well	2
		2.07
	Well	3
		3.47
	Very well	4
	Excellently	5

**Note:** CILS4EU: Only for respondents who speak another language at home (CILS: y1\_loc1=1).

Source variables

CILS4EU: w1: y1_lpoc4 w2: y2_lpoc4 w3: y3_lpoc4	NEPS SC4: w1, w5: t41040d w5: t41341d
--	---

Classification: More complicated

3.6.2 Identity

Item 81: **Host country identification**

Variable:  
H\_idSC

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

CILS4EU: **How strongly do you feel [survey country member]?**

NEPS SC4: **And to what extent do you feel associated with the people in Germany overall?**

	0.48
Very strongly	1
	1.36
Fairly strongly	2
	2.23
Not very strongly	3
	3.11
	3.99
Not at all strongly	4

**Note:**

Source variables

CILS4EU: w1: y1_idsc w2: y2_idsc w3: y3_idsc	NEPS SC4: w2: t428050
---	--------------------------

Classification: More complicated



Item 82: **Ethnic identification**

Variable:

H\_idEC

H\_wave:

1,2,3,5

H\_wave2:

1-3

CILS4EU: **How strongly do you feel that you belong to this group?**

NEPS SC4: **And to what extent do you identify yourself with the people from this country overall?**

	0.91
Very strongly	1
	1.47
Fairly strongly	2
	2.02
	2.57
Not very strongly	3
	3.12
Not at all strongly	4

**Note:** CILS4EU: Only for respondents who feel that they belong to other groups (y1\_idoc1RV=2 | y1\_idoc1RV=3 | y1\_idoc1RV=4; y2\_idoc1RV=2 | y2\_idoc1RV=3 | y2\_idoc1RV=4; y3\_idoc1RV=2 | y3\_idoc1RV=3 | y3\_idoc1RV=4).

Source variables

CILS4EU:	NEPS SC4:
w1: y1_idoc2	w2: t428300
w2: y2_idoc2	
w3: y3_idoc2	

Classification: More complicated

## 3.6.3 Religion

Item 83: **Religious affiliation**Variable:  
H\_relAH\_wave:  
1,3,5H\_wave2:  
1-3CILS4EU: **What is your religion?**NEPS SC4: **Do you belong to a religion or church?**

No religion	1
Christian	2
Muslim	3
Jewish	4
Other religion	5

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_rel1	w3: t435020
w2: y2_rel1	
w3: y3_rel1	

Classification: Unproblematic

Item 84: **Religiosity**Variable:  
H\_relignH\_wave:  
1,3,5H\_wave2:  
1-3CILS4EU: **How important is religion to you?**NEPS SC4: **Regardless of whether you belong to a religious community, how religious would you say you are?**

Very important	0.88
	1
Fairly important	1.93
	2
Not very important	2.98
	3
Not at all important	4
	4.03

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_rel2	w3: t435000
w2: y2_rel2	
w3: y3_rel2	

Classification: More complicated

## 3.6.4 Leisure Time Activities

Item 85: **Club membership**Variable:  
H\_clubmemH\_wave:  
1,5H\_wave2:  
1,3CILS4EU: **Are you a member of any sports, music, drama or any other club?**NEPS SC4: **We have compiled a list of different clubs or groups. Do you participate in any of them or do you not belong to any club?**

No	0
Yes	1

**Note:**

Source variables

CILS4EU: w1: y1_club	NEPS SC4: w1, w5: t27270[a-g]
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Classification: Unproblematic

Item 86: **Frequency of computer games on school day**Variable:  
H\_lta2H\_wave:  
1H\_wave2:  
1CILS4EU: **On a typical school day, once you get home, how much time do you spend playing video or computer games, alone?**NEPS SC4: **Do you enjoy playing computer or video and console games? Please state on average whether and how long you play on a normal school day (Monday through Friday). I play..... online role-playing games (e.g World of Warcraft, Gild Wars) (w1: t10117a)**NEPS SC4: **[...] I play..... games of skill or strategy games (w1: t10117b)**NEPS SC4: **[...] I play..... other games (w1: t10117c)**

More than 2 hours a day	1
About 2 hours a day	2
1 hour a day or less	3
No time at all	4

**Note:**

Source variables

CILS4EU: w1: y1_lta13	NEPS SC4: w1: t10117a, t10117b, t10117c
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Classification: Unproblematic

Item 87: **Number of books**

Variable:

H\_book

H\_wave:

1

H\_wave2:

1

CILS4EU: **About how many books are there in your home?**

NEPS SC4: **Around how many books do you have at home? Do not count magazines, newspapers or your text books.**

0-25	1
26-100	2
101-200	3
201-500	4
More than 500	5

**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_books	w1: t34005a
w2: y2_books	

**Classification: Unproblematic**

## 3.7 Well-Being

Item 88: **Life satisfaction in general**

Variable:  
H\_sat1

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

CILS4EU: **On a scale from 1 to 10 where 1 is very unsatisfied and 10 is very satisfied, how satisfied are you with your life in general?**

NEPS SC4: **How satisfied are you at the moment, all in all, with your life?**

		-0.58
		0.49
	Very unsatisfied	1
		1.57
		2
		2.65
		3
		3.72
		4
		4.80
		5
		5.87
		6
		6.95
		7
		8
		8.03
		9
		9.10
	Very satisfied	10
		10.20

**Note:**

## Source variables

CILS4EU: w1: y1_sat1 w2: y2_sat1 w3: y3_sat1	NEPS SC4: w1-w3, w5: t514001
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Classification: More complicated

Item 89: **School satisfaction**

Variable:  
H\_satsc

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

CILS4EU: **On a scale from 1 to 10 where 1 is very unsatisfied and 10 is very satisfied, how satisfied are you with school in general?**

NEPS SC4: **How satisfied are you with your situation at school?**

	0.48
Very unsatisfied	1
	1.36
	2
	2.23
	3
	3.11
	3.99
	4
	4.86
	5
	5.74
	6
	6.62
	7
	7.49
	8
	8.37
	9
	9.25
Very satisfied	10

**Note:**

Source variables

CILS4EU: w1: y1_sat2 w2: y2_sat2	NEPS SC4: w1-w3, w5: t514006
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Classification: More complicated

Item 90: **Self esteem:**  
**Good qualities**

Variable:  
H\_sequal

H\_wave:  
1

H\_wave2:  
1

CILS4EU: **How much do you agree or disagree with each of these statements? I have a lot of good qualities.**

NEPS SC4: **To what extent do the following statements apply to you? I have a number of good qualities**

Strongly agree	1
	1.09
Agree	2
	2.59
Neither agree nor disagree	3
	3.33
Disagree	4
	4.08
Strongly disagree	5

**Note:**

Source variables

CILS4EU: w1: y1_sest1	NEPS SC4: w1: t66003c
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Classification: More complicated

## 3.8 Health

Item 91: **Subjective general health**Variable:  
H\_genheaH\_wave:  
1,2,3,5H\_wave2:  
1,2,3CILS4EU: **How good is your health compared to others of your age?**NEPS SC4: **How would you describe your health overall?**

Very good	1
	1.01
Good	2
	2.31
About the same	3
	3.25
Bad	4
	4.37
Very bad	5
	5.49

**Note:**

Source variables

CILS4EU: w1: y1_genhea w2: y2_genhea	NEPS SC4: w2, w3, w5: t521000
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Classification: More complicated

Item 92: **Height in cm**Variable:  
H\_heightH\_wave:  
1,2H\_wave2:  
1CILS4EU: **What is your height? (in cm)**NEPS: **How tall are you? about**

Numeric: F 3.0

**Note:**

Source variables

CILS4EU: w1: y1_height	NEPS SC4: w2: t520001
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Classification: Unproblematic



**Item 93: Height in cm  
(reduced version)**

 Variable:  
H\_heightRV

 H\_wave:  
1,2

 H\_wave2:  
1

**CILS4EU: What is your height? (in cm), reduced version**
**NEPS SC4: How tall are you? about**

Numeric:	F 3.0
145 cm or smaller	145
195 cm or taller	195

**Note:**

Source variables

CILS4EU:	NEPS:
w1: y1_heightRV	w2: NEPS SC4: t520001

Classification: Unproblematic

**Item 94: Weight in kg**

 Variable:  
H\_weight

 H\_wave:  
1,2

 H\_wave2:  
1

**CILS4EU: What is your weight? (in kg)**
**NEPS SC4: And how much do you weigh?**

Numeric:	F 3.0
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**Note:**

Source variables

CILS4EU:	NEPS SC4:
w1: y1_height	w2: NEPS: t520000

Classification: Unproblematic

**Item 95: Weight in kg  
(reduced version)**

Variable:  
H\_weightRV  
  
H\_wave:  
1,2  
H\_wave2:  
1

CILS4EU: **What is your weight? (in kg), reduced version**

NEPS SC4: **And how much do you weigh?**

Numeric:	F 3.0
35 kg or less	35
140 kg or more	140

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_heightRV	w2: NEPS: t520000

Classification: Unproblematic

**Item 96: Sports  
frequency**

Variable:  
H\_sportfreq  
  
H\_wave:  
1,2,3,5  
H\_wave2:  
1-3

CILS4EU: **How often do you do sports or go to the gym?**

NEPS SC4: **How often do you do sport? Do not count the physical education classes at school!**

Every day	1
	1.08
Once or several times a week	2
	2.05
Once or several times a month or once a week	3
	3.03
Once a month or less	4
	4.97
Never	5

**Note:**

## Source variables

CILS4EU:	NEPS SC4:
w1: y1_heab3	w2, w3, w5: NEPS: t261000
w2: y2_heab3	
w3: y3_heab3	

Classification: More complicated

### 3.9 Generated Variables

#### 3.9.1 Generation and Ethnic Origin

NEPS SC4 Classification Approach

Item 98: **NEPS-Ap.  
Generation status up to  
3.5th**

Variable:  
H\_t400500\_g1v1

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

Generated Variable: **NEPS-Ap. Generation status up to 3.5th**

No migrant background	0
1st generation	1
1.5th generation	2
2nd generation	3
2.25th generation	4
2.5th generation	5
2.75th generation	6
3rd generation	7
3.25th generation	8
3.5th generation	9

**Note:** For CILS4EU, the source variable t400500\_g1v1 was constructed using the NEPS approach to identify generational status. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS SC4: Identifying generation status and group of origin (NEPS SC4 Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

Item 97: **NEPS-Ap.**  
**Generation status up to 3.75th**

Variable:  
H\_t400500\_g1

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

Generated Variable: **NEPS-Ap. Generation status up to 3.75th**

No migrant background	0
1st generation	1
1.5th generation	2
2nd generation	3
2.25th generation	4
2.5th generation	5
2.75th generation	6
3rd generation	7
3.25th generation	8
3.5th generation	9
3.75th generation	10

**Note:** For CILS4EU, the source variable t400500\_g1 was constructed using the NEPS SC4 approach to identify generational status. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS SC4: Identifying generation status and group of origin (NEPS Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

Item 100: **NEPS-Ap. Missing/contradicting information for generation status v1**

Variable:  
H\_t400500\_g2v1

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

Generated Variable: **NEPS-Ap. Missing/contradicting information country-of-birth information for generation status v1**

Unique assignment possible	1
Information for target person unknown	2
Information for one parent unknown	3
Information for both parents unknown	4
Information for one grandparent unknown	5
Information for two grandparents unknown	6
Information for three grandparents unknown	7
Information for four grandparents unknown	8
No assignment to a generation status possible	9

**Note:** For CILS4EU, the source variable t400500\_g2v1 was constructed using the NEPS SC4 approach to determine missing /contradiction information on the identification of generation status. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS SC4: Identifying generation status and group of origin (NEPS SC4 Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

Item 99: **NEPS-Ap.  
Missing/contradicting  
information for  
generation status**

Variable:  
H\_t400500\_g2

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

Generated Variable: **NEPS-Ap. Missing/contradicting information  
country-of-birth information for generation status**

Unique assignment possible	1
Information for target person unknown	2
Information for one parent unknown	3
Information for both parents unknown	4
Information for one grandparent unknown	5
Information for two grandparents unknown	6
Information for three grandparents unknown	7
Information for four grandparents unknown	8
No assignment to a generation status possible	9

**Note:** For CILS4EU, the source variable t400500\_g2 was constructed using the NEPS SC4 approach to determine missing /contradiction information on the identification of generation status. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS SC4: Identifying generation status and group of origin (NEPS SC4 Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

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**Item 101: NEPS-Ap.  
Group of origin**

 Variable:  
H\_t400500\_g3R

 H\_wave:  
1,2,3,5

 H\_wave2:  
1-3
**Generated Variable: NEPS-Ap. Group of origin**

Survey Country	1
Italy	2
Poland	3
Romania	4
Turkey	5
Former Yugoslavia	6
Former Soviet Union	7
Central and South America, Carribean	8
Northern and Western Europe	9
North America	10
Oceania/Polynesia	11
Other country of Middle East and Northern Africa	12
Other country of Africa	13
Other country of Asia	14
Other Central and Eastern Europe	15
Other Southern Europe	16
Abroad, but not assignable to a specific group of origin	17

**Note:** For CILS4EU, the source variable t400500\_g3R was constructed using the NEPS SC4 approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

## References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS: Identifying generation status and group of origin (NEPS Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

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**Item 102: NEPS-Ap.  
Group of origin v1**

Variable:  
H\_t400500\_g3v1R

H\_wave:  
1,2,3,5

H\_wave2:  
1-3

**Generated Variable: NEPS-Ap. Group of origin v1**

Survey Country	1
Italy	2
Poland	3
Romania	4
Turkey	5
Former Yugoslavia	6
Former Soviet Union	7
Central and South America, Carribean	8
Northern and Western Europe	9
North America	10
Oceania/Polynesia	11
Other country of Middle East and Northern Africa	12
Other country of Africa	13
Other country of Asia	14
Other Central and Eastern Europe	15
Other Southern Europe	16
Abroad, but not assignable to a specific group of origin	17

**Note:** For CILS4EU, the source variable t400500\_g3v1R was constructed using the NEPS SC4 approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

## References:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Olczyk, M., Will, G., & Kristen, C. 2014. Immigrants in the NEPS: Identifying generation status and group of origin (NEPS Working Paper No. 41a). Bamberg: Leibniz Institute for Educational Trajectories, National Educational Panel Study.

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Item 103: **CILS4EU-Ap.**  
**Generational status**  
**definition (standard**  
**approach)**

Variable:  
H\_generationG

H\_wave:  
1,3,5

H\_wave2:  
1,2,3

Generated Variable: **CILS4EU-Ap. Generational status definition**  
**(standard approach)**

1.25 <sup>th</sup> generation	1
1.5 <sup>th</sup> generation	2
1.75 <sup>th</sup> generation	3
1 <sup>st</sup> generation, missing migration age	4
2 <sup>nd</sup> generation	5
2.5 <sup>th</sup> generation	6
2.75 <sup>th</sup> generation	7
Interethnic 2 <sup>nd</sup> generation	8
3 <sup>rd</sup> generation	9
3.25 <sup>th</sup> generation	10
3.5 <sup>th</sup> generation	11
Interethnic 3 <sup>rd</sup> generation	12
3.75 <sup>th</sup> generation	13
Native	14
Parents foreign-born, no info on child	15
Child native-born, no info on parents, grandparents foreign-born	16
Child native-born, at least one ancestor foreign-born	17
Child native-born, no info on parents and grandparents	18
Child and parents native-born, no info on grandparents	19
No info on any actor	20

**Note:** For NEPS SC4, the source variable generationG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

Item 104: **CILS4EU-Ap.**  
**Flag variable indicating**  
**missing cases**  
**(generational status)**

Variable:  
H\_genflag\_missG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Flag variable indicating missing cases (generational status)**

Numeric: F 3.0

**Note:**

For NEPS SC4, the source variable genflag\_missG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

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Item 105: **CILS4EU-Ap.**  
**Flag variable indicating**  
**non-trivial cases**  
**(generational status)**

Variable:  
H\_genflag\_ntG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Flag variable indicating non-trivial cases (generational status)**

Numeric:

F 2.0

**Note:** For NEPS SC4, the source variable genflag\_ntG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

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Item 106: **CILS4EU-Ap.**  
**Country of origin**

Variable:  
H\_countorigG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Country of origin**

Coding List provided in Appendix A

Not sure whether immigrant or native 999

**Note:** For NEPS SC4, the source variable countorigG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

Item 107: **CILS4EU-Ap. Country of origin – national classification (Germany)**

Variable:  
H\_countorig\_geG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Country of origin – national classification (Germany)**

Germany	1
Turkey	2
Former Soviet Union	3
Poland	4
Former Yugoslavia	5
Italy	6
Lebanon	7
Greece	8
Northern Africa	9
Other Africa	10
Latin America and the Caribbean	11
Northern America and Oceania	12
Southern Asia	13
Western Asia	14
Other Asia	15
Eastern Europe	16
Southern Europe	17
Other Europe	18
Unknown country of origin	19
Unknown immigrant background	20

**Note:** For NEPS SC4, the source variable countorig\_geG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

Item 108: **CILS4EU-Ap. Flag variable indicating missing cases (country of origin)**

Variable:  
H\_coflag\_missG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Flag variable indicating missing cases (country of origin)**

Numeric: F 3.0

**Note:** For NEPS SC4, the source variable coflag\_missG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

Item 109: **CILS4EU-Ap.**  
**Flag variable indicating**  
**non-trivial cases**  
**(country of origin)**

Variable:  
H\_coflag\_ntG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Flag variable indicating non-trivial cases (country of origin)**

Numeric:

F 3.0

**Note:** For NEPS SC4, the source variable coflag\_ntG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
“Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data.” MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.

Item 110: **CILS4EU-Ap. Flag variable indicating use of additional information (country of origin)**

Variable:  
H\_coflag\_aiG

H\_wave:  
1,3,5

H\_wave2:  
1-3

Generated Variable: **CILS4EU-Ap. Flag variable indicating use of additional information (country of origin)**

Countries of birth only	0
Parents nationality	1
Childs nationality	2
Childs migration background	3
Parents identity	4
Childs identity	5
No information on any variable	6

**Note:** For NEPS SC4, the source variable coflag\_aiG was constructed using the CILS4EU approach to determine group of origin. Please refer to the do-file in the documentation material for detailed information on the construction of the variable.

Information on child's migration background (H\_coflag\_aiG=3), parents' identity (H\_coflag\_aiG=4), or child's identity (H\_coflag\_aiG=5) is not available for NEPS SC4 and was used to determine the group of origin for the CILS4EU sample only.

Reference:

Dollmann, J., Arnold, L., Horr, A., Kerzner, V., Schmidt, R., Soiné, H., Weber, F. & Weißmann, M. (2023). Technical Report: A Harmonised Dataset Based on CILS4EU and NEPS SC4 (CILS4NEPS), Version 1.0. Mannheim: Mannheim University.

Dollmann, Jörg, Konstanze Jacob, Frank, Kalter.  
"Examining the Diversity of Youth in Europe. A Classification of Generations and Ethnic Origins Using CILS4EU Data." MZES Working Paper 156,  
<http://www.mzes.uni-mannheim.de/publications/wp/wp-156.pdf>. 06.05.14.



## 3.9.2 Weights

Variable: w_t_CILS4NEP	<b>Nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)</b>	Numeric:	F 3.7
Variable: w_t_CILS4NEPS_cal	<b>Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (unstandardized)</b>	Numeric:	F 4.7
Variable: w_t1_CILS4NEPS	<b>Cross-sectional weight for targets participating in wave 1 (unstandardized)</b>	Numeric:	F 4.4
Variable: w_t_CILS4NEPS_std	<b>Nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)</b>	Numeric:	F 1.7
Variable: w_t_CILS4NEPS_cal_std	<b>Calibrated nonresponse adjusted joint panel entry weight for targets with panel consent (standardized)</b>	Numeric:	F 1.7

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Variable: w_t1_CILS4NEPS_std	<b>Cross-sectional weight for targets participating in wave 1 (standardized)</b>	Numeric:	F 1.7
<hr/>			
Variable: w_t_CILS4EU_std	<b>CILS4EU House weight (excluding German cases)</b>	Numeric:	F 2.6
<hr/>			
Variable: w_t_CILS4EU	<b>CILS4EU Final Student (excluding German cases)</b>	Numeric:	F 3.6

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## 4 Appendix

### 4.1 Coding lists

#### 4.1.1 Appendix A: Coding list countries of origin CILS4EU

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Harmonised Items	Africa	2
	Eastern Africa	14
	Burundi	108
	Comoros	174
	Djibouti	262
	Eritrea	232
	Ethiopia	231
	Kenya	404
	Madagascar	450
	Malawi	454
	Mauritius	480
	Mayotte	175
	Mozambique	508
	Reunion	638
	Rwanda	646
	Seychelles	690
	Somalia	706
	Uganda	800
	United Republic of Tanzania	834
	Zambia	894
	Zimbabwe	716
	Middle Africa	17
	Angola	24
	Cameroon	120
	Central African Republic	140
	Chad	148
	Congo	178
	Democratic Republic of the Congo	180
	Equatorial Guinea	226
	Gabon	266
	Sao Tome and Principe	678
	Northern Africa	15
	Algeria	12
	Arabian Country	901
	Egypt	818

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Libya	434
Morocco	504
South Sudan	728
Sudan	729
Tunisia	788
Western Sahara	732
Southern Africa	18
Botswana	72
Lesotho	426
Namibia	516
South Africa	710
Swaziland	748
Western Africa	11
Benin	204
Burkina Faso	854
Cape Verde	132
Cote d'Ivoire	384
Gambia	270
Ghana	288
Guinea	324
Guinea-Bissau	624
Liberia	430
Mali	466
Mauritania	478
Niger	562
Nigeria	566
Saint Helena	654
Senegal	686
Sierra Leone	694
Togo	768
Americas	19
Latin America and the Caribbean	419
Caribbean	29
Anguilla	660
Antigua and Barbuda	28
Aruba	533
Bahamas	44
Barbados	52
Bonaire, Saint Eustatius and Saba	535
British Virgin Islands	92
Cayman Islands	136
Cuba	192
Curacao	531
Dominica	212
Dominican Republic	214

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Grenada	308
Guadeloupe	312
Haiti	332
Jamaica	388
Martinique	474
Montserrat	500
Netherlands Antilles	530
Puerto Rico	630
Saint-Barthelemy	652
Saint Kitts and Nevis	659
Saint Lucia	662
Saint Martin (French Part)	663
Saint Vincent and the Grenadines	670
Sin Maarten (Dutch Part)	534
Trinidad and Tobago	780
Turks and Caicos Islands	796
United States Virgin Islands	850
Central America	13
Belize	84
Costa Rica	188
El Salvador	222
Guatemala	320
Honduras	340
Mexico	484
Nicaragua	558
Panama	591
South America	5
Argentina	32
Plurinational State of Bolivia	68
Brazil	76
Chile	152
Colombia	170
Ecuador	218
Falkland Islands (Malvinas)	238
French Guiana	254
Guyana	328
Paraguay	600
Peru	604
Suriname	740
Uruguay	858
Bolivarian Republic of Venezuela	862
Northern America	21
Bermuda	60
Canada	124
Greenland	304
Saint Pierre and Miquelon	666
United States of America	840

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Asia	142
Central Asia	143
Kazakhstan	398
Kyrgyzstan	417
Tajikistan	762
Turkmenistan	795
Uzbekistan	860
Eastern Asia	30
China	156
China, Hong Kong Special Administrative Region	344
China, Macao Special Administrative Region	446
Democratic People's Republic of Korea	408
Japan	392
Mongolia	496
Republic of Korea	410
Southern Asia	34
Afghanistan	4
Bangladesh	50
Bhutan	64
India	356
Islamic Republic of Iran	364
Kashmir	906
Maldives	462
Nepal	524
Pakistan	586
Sri Lanka	144
South-Eastern Asia	35
Brunei Darussalam	96
Cambodia	116
Indonesia	360
Lao People's Democratic Republic	418
Malaysia	458
Myanmar	104
Philippines	608
Singapore	702
Thailand	764
Timor-Leste	626
Viet Nam	704
Western Asia	145
Aramaic Country	905
Armenia	51

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Azerbaijan	31
Bahrain	48
Cyprus	196
Georgia	268
Iraq	368
Israel	376
Jordan	400
Kurdistan	904
Kuwait	414
Lebanon	422
Occupied Palestinian Territory	275
Oman	512
Qatar	634
Saudi Arabia	682
Syrian Arab Republic	760
Turkey	792
United Arab Emirates	784
Yemen	887
Europe	150
Eastern Europe	151
Belarus	112
Bulgaria	100
Czechoslovakia	200
Czech Republic	203
Hungary	348
Poland	616
Republic of Moldova	498
Romania	642
Russian Federation	643
Slovakia	703
Ukraine	804
USSR	810
Northern Europe	154
Aland Islands	248
Channel Islands	830
Denmark	208
Estonia	233
Faeroe Islands	234
Finland	246
Guernsey	831
Iceland	352
Ireland	372
Isle of Man	833
Jersey	832
Latvia	428
Lithuania	440
Norway	578
Sark	680

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Svalbard and Jan Mayen Islands	744
Sweden	752
United Kingdom of Great Britain and Northern Ireland	826
	150
Southern Europe	39
Albania	8
Andorra	20
Bosnia and Herzegovina	70
Croatia	191
Gibraltar	292
Greece	300
Holy See	336
Italy	380
Kosovo-Albania	903
Malta	470
Montenegro	499
Portugal	620
San Marino	674
Serbia	688
Serbia and Montenegro	891
Sinti and Roma	907
Slovenia	705
Socialist Federal Republic of Yugoslavia	890
Spain	724
The Former Yugoslav Republic of Macedonia	807
Western Europe	155
Austria	40
Belgium	56
Former German Eastern Territories	902
France	250
Germany	276
Liechtenstein	438
Luxembourg	442
Monaco	492
Netherlands	528
Switzerland	756
Oceania	9
Australia and New Zealand	53
Australia	36
New Zealand	554
Norfolk Island	574
Melanesia	54
Fiji	242

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New Caledonia	540
Papua New Guinea	598
Solomon Islands	90
Vanuatu	548
Micronesia	57
Guam	316
Kiribati	296
Marshall Islands	584
Federal States of Micronesia	583
Nauru	520
Northern Mariana Islands	580
Palau	585
Polynesia	61
American Samoa	16
Cook Islands	184
French Polynesia	258
Niue	570
Pitcairn	612
Samoa	882
Tokelau	772
Tonga	776
Tuvalu	798
Wallis and Futuna Islands	876
Outside survey country, but country unknown	0

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## 4.1.3 Appendix B: Coding list countries of origin harmonised origin items

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	Harmonised value (ref. CILS4EU VALUE)
Germany	276
NEPS SC4: Yugoslavia	1501
Albania	8
Bosnia and Herzegovina	70
Andorra	20
Belgium	56
Bulgaria	100
Denmark	208
Estonia	233
Finland	246
France	250
Croatia	191
Slovenia	705
Serbia and Montenegro	891
Serbia	688
Greece	300
Ireland	372
Iceland	352
Italy	380
Socialist Federal Republic of Yugoslavia	890
Latvia	428
Montenegro	499
Liechtenstein	438
Lithuania	440
Luxembourg	442
CILS4EU: The Former Yugoslav Republic of Macedonia	1502
NEPS SC4: North Macedonia	1503
Malta	470
Republic of Moldova	498
Monaco	492
Netherlands	528
Norway	578
CILS4EU: Kosovo-Albania	1504
NEPS SC4: Kosovo	1505
Austria	40
Poland	616
Portugal	620
Romania	642
Slovakia	703
San Marino	674
Sweden	752
Switzerland	756
CILS4EU: USSR	1506
NEPS SC4: Soviet Union	1507

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Russian Federation	643
Spain	724
Czechoslovakia	200
Turkey	792
Czech Republic	203
Hungary	348
Ukraine	804
Holy See (Vatican City State)	336
CILS4EU: United Kingdom of Great Britain and Northern Ireland	1508
NEPS SC4: United Kingdom	1509
Belarus	112
Serbia	688
Cyprus	196
NEPS SC4: British Overseas Territories (BOTC)	1510
NEPS SC4: Norwegian dependent territories in Europe	1511
NEPS SC4: British dependent territories in Europe	1512
NEPS SC4: Danish dependent territories in Europe	1513
Algeria	12
Angola	24
Eritrea	232
Ethiopia	231
Lesotho	426
Botswana	72
Benin	204
Djibouti	262
Cote d'Ivoire	384
Nigeria	566
Zimbabwe	716
Gabon	266
Gambia	270
Ghana	288
Mauritania	478
Cape Verde	132
Kenya	404
Comoros	174
Congo	178
Democratic Republic of the Congo	180
Liberia	430
Libya	434
Madagascar	450
Mali	466
Morocco	504
Mauritius	480
Mozambique	508
Niger	562
Malawi	454
Zambia	894
Burkina Faso	854
Guinea-Bissau	624
Guinea	324
Cameroon	120
South Africa	710
Rwanda	646
Namibia	516
Sao Tome and Principe	678

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Senegal	686
Seychelles	690
Sierra Leone	694
Somalia	706
Equatorial Guinea	226
Sudan	729
South Sudan	728
NEPS SC4: Eswatini	1514
United Republic of Tanzania	834
Togo	768
Chad	148
Tunisia	788
Uganda	800
Egypt	818
Central African Republic	140
Burundi	108
NEPS SC4: British dependent territories in Africa	1515
NEPS SC4: Spanish dependent territories in Africa	1516
NEPS SC4: French dependent territories in Africa	1517
Antigua and Barbuda	28
Barbados	52
Argentina	32
Bahamas	44
Plurinational State of Bolivia	68
Brazil	76
Guyana	328
Belize	84
Chile	152
Dominica	212
Costa Rica	188
Dominican Republic	214
Ecuador	218
El Salvador	222
Grenada	308
Guatemala	320
Haiti	332
Honduras	340
Canada	124
Colombia	170
Cuba	192
Mexico	484
Nicaragua	558
Jamaica	388
Panama	591
Paraguay	600
Peru	604
Suriname	740
Uruguay	858
Saint Lucia	662
Bolivarian Republic of Venezuela	862
United States of America	840
Saint Vincent and the Grenadines	670
Saint Kitts and Nevis	659
Trinidad and Tobago	780
NEPS SC4: US dependent territories in America	1518

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NEPS SC4: Dutch dependent territories in America	1519
NEPS SC4: British dependent territories in America	1520
NEPS SC4: Danish dependent territories in America	1521
NEPS SC4: French dependent territories in America	1522
CILS4EU: China, Hong Kong Special Administrative Region	1523
NEPS SC4: Hongkong	1524
CILS4EU: China, Macao Special Administrative Region	1525
NEPS SC4: Macao	1526
Yemen	887
Armenia	51
Afghanistan	4
Bahrain	48
Azerbaijan	31
Bhutan	64
Myanmar	104
Brunei Darussalam	96
Georgia	268
Sri Lanka	144
Viet Nam	704
Democratic People's Republic of Korea	408
India	356
Indonesia	360
Iraq	368
Islamic Republic of Iran	364
Israel	376
Japan	392
Kazakhstan	398
Jordan	400
Cambodia	116
Qatar	634
Kuwait	414
Lao People's Democratic Republic	418
Kyrgyzstan	417
Lebanon	422
Maldives	462
Oman	512
Mongolia	496
Nepal	524
CILS4EU: Occupied Palestinian Territory	1527
NEPS SC4: Palestinian Territories	1528
Bangladesh	50
Pakistan	586
Philippines	608
NEPS SC4: Taiwan, Province of China	1529
Republic of Korea	410
United Arab Emirates	784
Tajikistan	762
Turkmenistan	795
Saudi Arabia	682
Singapore	702
Syrian Arab Republic	760
Syrian Arab Republic	764
Uzbekistan	860

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China	156
Malaysia	458
CILS4EU: Timor-Leste	1530
NEPS SC4: Timor-Leste, Democratic Republic of	1531
NEPS SC4: British dependent territories in Asia	1532
NEPS SC4: other Asia	1533
Australia	36
Solomon Islands	90
Fiji	242
Cook Islands	184
Kiribati	296
Nauru	520
Vanuatu	548
Niue	570
New Zealand	554
Palau	585
Papua New Guinea	598
Tuvalu	798
Tonga	776
Samoa	882
Marshall Islands	584
Federal States of Micronesia	583
NEPS SC4: Argentinean dependent territories in Australia, Oceania, Antarctica	1534
NEPS SC4: Chilean dependent territories in Australia, Oceania, Antarctica	1535
NEPS SC4: New Zealand's dependent territories in Australia, Oceania, Antarctica	1536
NEPS SC4: US dependent territories in Australia, Oceania, Antarctica	1537
NEPS SC4: Norwegian dependent territories in Australia, Oceania, Antarctica	1538
NEPS SC4: Australian dependent territories in Australia, Oceania, Antarctica	1539
NEPS SC4: British dependent territories in Australia, Oceania, Antarctica	1540
NEPS SC4: French dependent territories in Australia, Oceania, Antarctica	1541
NEPS SC4: at sea	1542
NEPS SC4: unknown foreign countries	1543
NEPS SC4: Kurdish areas	1544
Outside survey country, but country unknown/uncodable	0
NEPS SC4: Germany and another country, not codeable	1545
NEPS SC4: parent not available / unknown	1546
NEPS SC4: German-speaking country abroad	1547
NEPS SC4: English-speaking country abroad	1548
NEPS SC4: Spanish-speaking country abroad	1549

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 Recoded country codes for countries that are originally only included in CILS4EU

CILS4EU	South America	1550
CILS4EU	Central America	1551
CILS4EU	Americas	1552
CILS4EU	Caribbean	1553
CILS4EU	British Virgin Islands	1554
CILS4EU	Cayman Islands	1555
CILS4EU	Falkland Islands (Malvinas)	1556
CILS4EU	French Guiana	1557
CILS4EU	Guadeloupe	1558
CILS4EU	Latin America and the Caribbean	1559
CILS4EU	Martinique	1560
CILS4EU	Montserrat	1561
CILS4EU	Netherlands Antilles	1562
CILS4EU	Curacao	1563
CILS4EU	Aruba	1564
CILS4EU	Sin Maarten (Dutch Part)	1565
CILS4EU	Bonaire, Saint Eustatius and Saba	1566
CILS4EU	Puerto Rico	1567
CILS4EU	Saint-Barthelemy	1568
CILS4EU	Anguilla	1569
CILS4EU	Saint Martin (French Part)	1570
CILS4EU	Turks and Caicos Islands	1571
CILS4EU	United States Virgin Islands	1572
CILS4EU	Northern Europe	1573
CILS4EU	Western Europe	1574
CILS4EU	Estonia	1575
CILS4EU	Faeroe Islands	1576
CILS4EU	Aland Islands	1577
CILS4EU	Deutschland	1578
CILS4EU	Latvia	1579
CILS4EU	Lithuania	1580
CILS4EU	Sark	1581
CILS4EU	Svalbard and Jan Mayen Islands	1582
CILS4EU	Channel Islands	1583
CILS4EU	Guernsey	1584
CILS4EU	Jersey	1585
CILS4EU	Isle of Man	1586
CILS4EU	Former German Eastern Territories	1587

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 Recoded country codes for countries that are originally only included in CILS4EU

CILS4EU	Northern America	1588
CILS4EU	Bermuda	1589
CILS4EU	Greenland	1590
CILS4EU	Saint Pierre and Miquelon	1591
CILS4EU	Oceania	1592
CILS4EU	American Samoa	1593
CILS4EU	Australia and New Zealand	1594
CILS4EU	Melanesia	1595
CILS4EU	Micronesia	1596
CILS4EU	Polynesia	1597
CILS4EU	French Polynesia	1598
CILS4EU	Guam	1599
CILS4EU	New Caledonia	1600
CILS4EU	Norfolk Island	1601
CILS4EU	Northern Mariana Islands	1602
CILS4EU	Pitcairn	1603
CILS4EU	Tokelau	1604
CILS4EU	Wallis and Futuna Islands	1605
CILS4EU	Northern Africa	1606
CILS4EU	Cyprus	1607
CILS4EU	Occupied Palestinian Territory	1608
CILS4EU	South Sudan	1609
CILS4EU	Sudan	1610
CILS4EU	Western Sahara	1611
CILS4EU	Türkiye	1612
CILS4EU	Arabian Country	1613
CILS4EU	Africa	1614
CILS4EU	Western Africa	1615
CILS4EU	Algeria	1616
CILS4EU	Eastern Africa	1617
CILS4EU	Northern Africa	1618
CILS4EU	Middle Africa	1619
CILS4EU	Southern Africa	1620
CILS4EU	Mayotte	1621
CILS4EU	Libya	1622
CILS4EU	Morocco	1623
CILS4EU	Reunion	1624
CILS4EU	Saint Helena	1625
CILS4EU	South Sudan	1626
CILS4EU	Western Sahara	1627
CILS4EU	Swaziland	1628
CILS4EU	Tunisia	1629
CILS4EU	Egypt	1630
CILS4EU	Arabian Country	1631
CILS4EU	Eastern Asia	1632
CILS4EU	Azerbaijan	1633
CILS4EU	Southern Asia	1634
CILS4EU	South-Eastern Asia	1635
CILS4EU	Bahrain	1636
CILS4EU	Armenia	1637
CILS4EU	Asia	1638

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 Recoded country codes for countries that are originally only included in CILS4EU

CILS4EU	Central Asia	1639
CILS4EU	Western Asia	1640
CILS4EU	Cyprus	1641
CILS4EU	Georgia	1642
CILS4EU	Occupied Palestinian Territory	1643
CILS4EU	China, Hong Kong Special Administrative Region	1644
CILS4EU	Islamic Republic of Iran	1645
CILS4EU	Iraq	1646
CILS4EU	Israel	1647
CILS4EU	Kazakhstan	1648
CILS4EU	Jordan	1649
CILS4EU	Kuwait	1650
CILS4EU	Kyrgyzstan	1651
CILS4EU	Lebanon	1652
CILS4EU	Cyprus	1641
CILS4EU	Georgia	1642
CILS4EU	Occupied Palestinian Territory	1643
CILS4EU	China, Hong Kong Special Administrative Region	1644
CILS4EU	Islamic Republic of Iran	1645
CILS4EU	Iraq	1646
CILS4EU	Israel	1647
CILS4EU	Kazakhstan	1648
CILS4EU	Jordan	1649
CILS4EU	Kuwait	1650
CILS4EU	Kyrgyzstan	1651
CILS4EU	Lebanon	1652
CILS4EU	China, Macao Special Administrative Region	1653
CILS4EU	Oman	1654
CILS4EU	Qatar	1655
CILS4EU	Saudi Arabia	1656
CILS4EU	Syrian Arab Republic	1657
CILS4EU	Tajikistan	1658

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 Recoded country codes for countries that are originally only included in CILS4EU

CILS4EU	United Arab Emirates	1659
CILS4EU	Türkiye	1660
CILS4EU	Turkmenistan	1661
CILS4EU	Uzbekistan	1662
CILS4EU	Yemen	1663
CILS4EU	Kurdistan	1664
CILS4EU	Aramaic Country	1665
CILS4EU	Kashmir	1667
CILS4EU	Belarus	1668
CILS4EU	Eastern Europe	1669
CILS4EU	Republic of Moldova	1670
CILS4EU	Poland	1671
CILS4EU	Romania	1672
CILS4EU	Russian Federation	1673
CILS4EU	Ukraine	1674
CILS4EU	USSR	1675
CILS4EU	Southern Europe	1676
CILS4EU	Bosnia and Herzegovina	1677
CILS4EU	Croatia	1678
CILS4EU	Gibraltar	1679
CILS4EU	Italy	1680
CILS4EU	Montenegro	1681
CILS4EU	Serbia	1682
CILS4EU	Slovenia	1683
CILS4EU	The Former Yugoslav Republic of Macedonia	1684
CILS4EU	Socialist Federal Republic of Yugoslavia	1685
CILS4EU	Serbia and Montenegro	1686
CILS4EU	Kosovo-Albania	1687
CILS4EU	Sinti and Roma	1688

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## 4.2 Appendix C: ISCO 2008

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Armed forces occupations	0000
Commissioned armed forces officers	0100
Commissioned armed forces officers	0110
Non-commissioned armed forces officers	0200
Non-commissioned armed forces officers	0210
Armed forces occupations, other ranks	0300
Armed forces occupations, other ranks	0310
Managers	1000
Chief executives, senior officials and legislators	1100
Legislators and senior officials	1110
Legislators	1111
Senior government officials	1112
Traditional chiefs and heads of village	1113
Senior officials of special-interest organizations	1114
Managing directors and chief executives	1120
Administrative and commercial managers	1200
Business services and administration managers	1210
Finance managers	1211
Human resource managers	1212
Policy and planning managers	1213
Business services and administration managers not elsewhere classified	1219
Sales, marketing and development managers	1220
Sales and marketing managers	1221
Advertising and public relations managers	1222
Research and development managers	1223
Production and specialized services managers	1300
Production managers in agriculture, forestry and fisheries	1310
Agricultural and forestry production managers	1311
Aquaculture and fisheries production managers	1312
Manufacturing, mining, construction, and distribution managers	1320
Manufacturing managers	1321
Mining managers	1322
Construction managers	1323
Supply, distribution and related managers	1324
Information and communications technology service managers	1330
Professional services managers	1340
Child care services managers	1341
Health services managers	1342
Aged care services managers	1343
Social welfare managers	1344
Education managers	1345
Financial and insurance services branch managers	1346
Professional services managers not elsewhere classified	1349
Hospitality, retail and other services managers	1400
Hotel and restaurant managers	1410

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Hotel managers	1411
Restaurant managers	1412
Retail and wholesale trade managers	1420
Other services managers	1430
Sports, recreation and cultural center managers	1431
Services managers not elsewhere classified	1439
Professionals	2000
Science and engineering professionals	2100
Physical and earth science professionals	2110
Physicists and astronomers	2111
Meteorologists	2112
Chemists	2113
Geologists and geophysicists	2114
Mathematicians, actuaries and statisticians	2120
Life science professionals	2130
Biologists, botanists, zoologists and related professionals	2131
Farming, forestry and fisheries advisers	2132
Environmental protection professionals	2133
Engineering professionals (excluding electro technology)	2140
Industrial and production engineers	2141
Civil engineers	2142
Environmental engineers	2143
Mechanical engineers	2144
Mining engineers, metallurgists and related professionals	2146
Engineering professionals not elsewhere classified	2149
Electro technology engineers	2150
Electrical engineers	2151
Electronics engineers	2152
Telecommunications engineers	2153
Architects, planners, surveyors and designers	2160
Building architects	2161
Landscape architects	2162
Product and garment designers	2163
Town and traffic planners	2164
Cartographers and surveyors	2165
Graphic and multimedia designers	2166
Health professionals	2200
Medical doctors	2210
Generalist medical practitioners	2211
Specialist medical practitioners	2212
Nursing and midwifery professionals	2220
Nursing professionals	2221
Midwifery professionals	2222
Traditional and complementary medicine professionals	2230
Paramedical practitioners	2240
Veterinarians	2250
Other health professionals	2260
Dentists	2261

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Pharmacists	2262
Environmental and occupational health and hygiene professionals	2263
Physiotherapists	2264
Dieticians and nutritionists	2265
Audiologists and speech therapists	2266
Optometrists and ophthalmic opticians	2267
Health professionals not elsewhere classified 2269	2300
Teaching professionals	
University and higher education teachers	2310
Vocational education teachers	2320
Secondary education teachers	2330
Primary school and early childhood teachers	2340
Primary school teachers	2341
Early childhood educators	2342
Other teaching professionals	2350
Education methods specialists	2351
Special needs teachers	2352
Other language teachers	2353
Other music teachers	2354
Other arts teachers	2355
Information technology trainers	2356
Teaching professionals not elsewhere classified	2359
Business and administration professionals	2400
Finance professionals	2410
Financial and investment advisers	2412
Financial analysts	2413
Administration professionals	2420
Management and organization analysts	2421
Policy administration professionals	2422
Personnel and careers professionals	2423
Training and staff development professionals	2424
Sales, marketing and public relations professionals	2430
Advertising and marketing professionals	2431
Public relations professionals	2432
Technical and medical sales professionals (excluding ICT)	2433
Information and communications technology sales professionals	2434
Information and communications technology professionals	2500
Software and applications developers and analysts	2510
Systems analysts	2511
Software developers	2512
Web and multimedia developers	2513
Applications programmers	2514
Software and applications developers and analysts not elsewhere classified	2519
Software and applications developers and analysts not elsewhere classified	2520
Database designers and administrators	2521
Systems administrators	2522
Computer network professionals	2523

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Database and network professionals not elsewhere classified	2529
Legal, social and cultural professionals	2600
Legal professionals	2610
Lawyers	2611
Judges	2612
Legal professionals not elsewhere classified	2619
Librarians, archivists and curators	2620
Archivists and curators	2621
Librarians and related information professionals	2622
Social and religious professionals	2630
Economists	2631
Sociologists, anthropologists and related professionals	2632
Philosophers, historians and political scientists	2633
Psychologists	2634
Social work and counseling professionals	2635
Religious professionals	2636
Authors, journalists and linguists	2640
Authors and related writers	2641
Journalists	2642
Translators, interpreters and other linguists	2643
Creative and performing artists	2650
Visual artists	2651
Musicians, singers and composers	2652
Dancers and choreographers	2653
Film, stage and related directors and producers	2654
Actors	2655
Announcers on radio, television and other media	2656
Creative and performing artists not elsewhere classified	2659
Technicians and associate professionals	3000
Science and engineering associate professionals	3100
Physical and engineering science technicians	3110
Chemical and physical science technicians	3111
Civil engineering technicians	3112
Electrical engineering technicians	3113
Electronics engineering technicians	3114
Mechanical engineering technicians	3115
Chemical engineering technicians	3116
Mining and metallurgical technicians	3117
Draughts persons	3118
Physical and engineering science technicians not elsewhere classified	3119
Mining, manufacturing and construction supervisors	3120
Mining supervisors	3121
Manufacturing supervisors	3122
Construction supervisors	3123
Process control technicians	3130
Power production plant operators	3131
Incinerator and water treatment plant operators	3132

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Chemical processing plant controllers	3133
Petroleum and natural gas refining plant operators	3134
Metal production process controllers	3135
Process control technicians not elsewhere classified	3139
Life science technicians and related associate professionals	3140
Life science technicians (excluding medical)	3141
Agricultural technicians	3142
Forestry technicians	3143
Ship and aircraft controllers and technicians	3150
Ships' engineers	3151
Ships' deck officers and pilots	3152
Aircraft pilots and related associate professionals	3153
Air traffic controllers	3154
Air traffic safety electronics technicians	3155
Health associate professionals	3200
Medical and pharmaceutical technicians	3210
Medical imaging and therapeutic equipment technicians	3211
Medical and pathology laboratory technicians	3212
Pharmaceutical technicians and assistants	3213
Medical and dental prosthetic technicians	3214
Nursing and midwifery associate professionals	3220
Nursing associate professionals	3221
Midwifery associate professionals	3222
Traditional and complementary medicine associate professionals	3230
Veterinary technicians and assistants	3240
Other health associate professionals	3250
Dental assistants and therapists	3251
Medical records and health information technicians	3252
Community health workers	3253
Dispensing opticians	3254
Physiotherapy technicians and assistants	3255
Medical assistants	3256
Environmental and occupational health inspectors and associates	3257
Ambulance workers	3258
Health associate professionals not elsewhere classified	3259
Business and administration associate professionals	3300
Financial and mathematical associate professionals	3310
Securities and finance dealers and brokers	3311
Credit and loans officers	3312
Accounting associate professionals	3313
Statistical, mathematical and related associate professionals	3314
Valuers and loss assessors	3315
Sales and purchasing agents and brokers	3320
Insurance representatives	3321

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Commercial sales representatives	3322
Buyers	3323
Trade brokers	3324
Business services agents	3330
Clearing and forwarding agents	3331
Conference and event planners	3332
Employment agents and contractors	3333
Real estate agents and property managers	3334
Business services agents not elsewhere classified	3339
Administrative and specialized secretaries	3340
Office supervisors	3341
Legal secretaries	3342
Administrative and executive secretaries	3343
Medical secretaries	3344
Regulatory government associate professionals	3350
Customs and border inspectors	3351
Government tax and excise officials	3352
Government social benefits officials	3353
Government licensing officials	3354
Police inspectors and detectives	3355
Regulatory government associate professionals not elsewhere classified	3359
Legal, social, cultural and related associate professionals	3400
Legal, social and religious associate professionals	3410
Legal and related associate professionals	3411
Social work associate professionals	3412
Religious associate professionals	3413
Sports and fitness workers	3420
Athletes and sports players	3421
Sports coaches, instructors and officials	3422
Fitness and recreation instructors and program leaders	3423
Artistic, cultural and culinary associate professionals	3430
Photographers	3431
Interior designers and decorators	3432
Gallery, museum and library technicians	3433
Chefs	3434
Other artistic and cultural associate professionals	3435
Information and communications technicians	3500
Information and communications technology operations and user support technicians	3510
Information and communications technology operations technicians	3511
Information and communications technology user support technicians	3512
Computer network and systems technicians	3513
Web technicians	3514
Telecommunications and broadcasting technicians	3520
Broadcasting and audio-visual technicians	3521
Telecommunications engineering technicians	3522

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Clerical support workers	4000
General and keyboard clerks	4100
General office clerks	4110
Secretaries (general)	4120
Keyboard operators	4130
Typists and word processing operators	4131
Data entry clerks	4132
Customer services clerks	4200
Tellers, money collectors and related clerks	4210
Bank tellers and related clerks	4211
Bookmakers, croupiers and related gaming workers	4212
Pawnbrokers and money-lenders	4213
Debt-collectors and related workers	4214
Client information workers	4220
Travel consultants and clerks	4221
Contact center information clerks	4222
Telephone switchboard operators	4223
Hotel receptionists	4224
Enquiry clerks	4225
Receptionists (general)	4226
Survey and market research interviewers	4227
Client information workers not elsewhere classified	4229
Numerical and material recording clerks	4300
Numerical clerks	4310
Accounting and bookkeeping clerks	4311
Statistical, finance and insurance clerks	4312
Payroll clerks	4313
Material-recording and transport clerks	4320
Stock clerks	4321
Production clerks	4322
Transport clerks	4323
Other clerical support workers	4400
Other clerical support workers	4410
Library clerks	4411
Mail carriers and sorting clerks	4412
Coding, proof-reading and related clerks	4413
Scribes and related workers	4414
Filing and copying clerks	4415
Personnel clerks	4416
Clerical support workers not elsewhere classified	4419
Service and sales workers	5000
Personal service workers	5100
Travel attendants, conductors and guides	5110
Travel attendants and travel stewards	5111
Transport conductors	5112
Travel guides	5113
Cooks	5120
Waiters and bartenders	5130
Waiters	5131
Bartenders	5132
Hairdressers, beauticians and related workers	5140

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Hairdressers	5141
Beauticians and related workers	5142
Building and housekeeping supervisors	5150
Cleaning and housekeeping supervisors in offices, hotels and other establishments	5151
Domestic housekeepers	5152
Building caretakers	5153
Other personal services workers	5160
Astrologers, fortune-tellers and related workers	5161
Companions and valets	5162
Undertakers and embalmers	5163
Pet groomers and animal care workers	5164
Driving instructors	5165
Personal services workers not elsewhere classified	5169
Sales workers	5200
Street and market salespersons	5210
Stall and market salespersons	5211
Street food salespersons	5212
Shop salespersons	5220
Shop keepers	5221
Shop supervisors	5222
Shop sales assistants	5223
Cashiers and ticket clerks	5230
Other sales workers	5240
Fashion and other models	5241
Sales demonstrators	5242
Door to door salespersons	5243
Contact center salespersons	5244
Service station attendants	5245
Food service counter attendants	5246
Sales workers not elsewhere classified	5249
Personal care workers	5300
Child care workers and teachers' aides	5310
Child care workers	5311
Teachers' aides	5312
Personal care workers in health services	5320
Health care assistants	5321
Home-based personal care workers	5322
Personal care workers in health services not elsewhere classified	5329
Protective services workers	5400
Protective services workers	5410
Fire-fighters	5411
Police officers	5412
Prison guards	5413
Security guards	5414
Protective services workers not elsewhere classified	5419
Skilled agricultural, forestry and fishery workers	6000
Market-oriented skilled agricultural workers	6100
Market gardeners and crop growers	6110
Field crop and vegetable growers	6111
Tree and shrub crop growers	6112

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Gardeners, horticultural and nursery growers	6113
Mixed crop growers	6114
Animal producers	6120
Livestock and dairy producers	6121
Poultry producers	6122
Apiarists and Seri culturists	6123
Animal producers not elsewhere classified	6129
Mixed crop and animal producers	6130
Market-oriented skilled forestry, fishery and hunting workers	6200
Forestry and related workers	6210
Fishery workers, hunters and trappers	6220
Aquaculture workers	6221
Inland and coastal waters fishery workers	6222
Deep-sea fishery workers	6223
Hunters and trappers	6224
Subsistence farmers, fishers, hunters and gatherers	6300
Subsistence crop farmers	6310
Subsistence livestock farmers	6320
Subsistence mixed crop and livestock farmers	6330
Subsistence fishers, hunters, trappers and gatherers	6340
Craft and related trades workers	7000
Building and related trades workers, excluding electricians	7100
Building frame and related trades workers	7110
House builders	7111
Bricklayers and related workers	7112
Stonemasons, stone cutters, splitters and carvers	7113
Concrete placers, concrete finishers and related workers	7114
Carpenters and joiners	7115
Building frame and related trades workers not elsewhere classified	7119
Building finishers and related trades workers	7120
Roofers	7121
Floor layers and tile setters	7122
Plasterers	7123
Insulation workers	7124
Glaziers	7125
Plumbers and pipe fitters	7126
Air conditioning and refrigeration mechanics	7127
Painters, building structure cleaners and related trades workers	7130
Painters and related workers	7131
Spray painters and varnishers	7132
Building structure cleaners	7133
Metal, machinery and related trades workers	7200
Sheet and structural metal workers, molders and welders, and related workers	7210
Metal molders and core makers	7211
Welders and flame cutters	7212
Sheet-metal workers	7213

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Structural-metal preparers and erectors	7214
Riggers and cable splicers	7215
Blacksmiths, toolmakers and related trades workers	7220
Blacksmiths, hammer smiths and forging press workers	7221
Toolmakers and related workers	7222
Metal working machine tool setters and operators	7223
Metal polishers, wheel grinders and tool sharpeners	7224
Machinery mechanics and repairers	7230
Motor vehicle mechanics and repairers	7231
Aircraft engine mechanics and repairers	7232
Agricultural and industrial machinery mechanics and repairers	7233
Bicycle and related repairers	7234
Handicraft and printing workers	7300
Handicraft workers	7310
Precision-instrument makers and repairers	7311
Musical instrument makers and tuners	7312
Jewelry and precious-metal workers	7313
Potters and related workers	7314
Glass makers, cutters, grinders and finishers	7315
Sign writers, decorative painters, engravers and etchers	7316
Handicraft workers in wood, basketry and related materials	7317
Handicraft workers in textile, leather and related mat	7318
Handicraft workers not elsewhere classified	7319
Printing trades workers	7320
Pre-press technicians	7321
Printers	7322
Print finishing and binding workers	7323
Electrical and electronic trades workers	7400
Electrical equipment installers and repairers	7410
Building and related electricians	7411
Electrical mechanics and fitters	7412
Electrical line installers and repairers	7413
Electronics and telecommunications installers and repairers	7420
Electronics mechanics and servicers	7421
Information and communications technology installers and servicers	7422
Food processing, wood working, garment and other craft and related trades workers	7500
Food processing and related trades workers	7510
Butchers, fishmongers and related food preparers	7511
Bakers, pastry-cooks and confectionery makers	7512
Dairy-products makers	7513
Fruit, vegetable and related preservers	7514
Food and beverage tasters and graders	7515
Tobacco preparers and tobacco products makers	7516

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Wood treaters, cabinet-makers and related trades workers	7520
Wood treaters	7521
Cabinet-makers and related workers	7522
Woodworking-machine tool setters and operators	7523
Garment and related trades workers	7530
Tailors, dressmakers, furriers and hatters	7531
Garment and related pattern-makers and cutters	7532
Sewing, embroidery and related workers	7533
Upholsterers and related workers	7534
Pelt dressers, tanners and fellmongers	7535
Shoemakers and related workers	7536
Other craft and related workers	7540
Underwater divers	7541
Shot firers and blasters	7542
Product graders and testers (excluding foods and beverages)	7543
Fumigators and other pest and weed controllers	7544
Craft and related workers not elsewhere classified	7549
Plant and machine operators, and assemblers	8000
Stationary plant and machine operators	8100
Mining and mineral processing plant operators	8110
Miners and quarriers	8111
Mineral and stone processing plant operators	8112
Well drillers and borers and related workers	8113
Cement, stone and other mineral products machine operators	8114
Metal processing and finishing plant operators	8120
Metal processing plant operators	8121
Metal finishing, plating and coating machine operators	8122
Chemical and photographic products plant and machine operators	8130
Chemical products plant and machine operators	8131
Photographic products machine operators	8132
Rubber, plastic and paper products machine operators	8140
Rubber products machine operators	8141
Plastic products machine operators	8142
Paper products machine operators	8143
Textile, fur and leather products machine operators	8150
Fiber preparing, spinning and winding machine operators	8151
Weaving and knitting machine operators	8152
Sewing machine operators	8153
Bleaching, dyeing and fabric cleaning machine operators	8154
Fur and leather preparing machine operators	8155
Shoemaking and related machine operators	8156

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Laundry machine operators	8157
Textile, fur and leather products machine operators not elsewhere classified	8159
Food and related products machine operators	8160
Wood processing and papermaking plant operators	8170
Pulp and papermaking plant operators	8171
Wood processing plant operators	8172
Other stationary plant and machine operators	8180
Glass and ceramics plant operators	8181
Steam engine and boiler operators	8182
Packing, bottling and labeling machine operators	8183
Stationary plant and machine operators not elsewhere classified	8189
Assemblers	8200
Assemblers	8210
Mechanical machinery assemblers	8211
Electrical and electronic equipment assemblers	8212
Assemblers not elsewhere classified	8219
Drivers and mobile plant operators	8300
Locomotive engine drivers and related workers	8310
Locomotive engine drivers	8311
Railway brake, signal and switch operators	8312
Car, van and motorcycle drivers	8320
Motorcycle drivers	8321
Car, taxi and van drivers	8322
Heavy truck and bus drivers	8330
Bus and tram drivers	8331
Heavy truck and lorry drivers	8332
Mobile plant operators	8340
Mobile farm and forestry plant operators	8341
Earthmoving and related plant operators	8342
Crane, hoist and related plant operators	8343
Lifting truck operators	8344
Ships' deck crews and related workers	8350
Elementary occupations	9000
Cleaners and helpers	9100
Domestic, hotel and office cleaners and helpers	9110
Domestic cleaners and helpers	9111
Cleaners and helpers in offices, hotels and other establishments	9112
Vehicle, window, laundry and other hand cleaning workers	9120
Hand launderers and pressers	9121
Vehicle cleaners	9122
Window cleaners	9123
Other cleaning workers	9129
Agricultural, forestry and fishery laborers	9200
Agricultural, forestry and fishery laborers	9210
Crop farm laborers	9211
Livestock farm laborers	9212
Mixed crop and livestock farm laborers	9213
Garden and horticultural laborers	9214

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Forestry laborers	9215
Fishery and aquaculture laborers	9216
Laborers in mining, construction, manufacturing and transport	9300
Mining and construction laborers	9310
Mining and quarrying laborers	9311
Civil engineering laborers	9312
Building construction laborers	9313
Manufacturing laborers	9320
Hand packers	9321
Manufacturing laborers not elsewhere classified	9329
Transport and storage laborers	9330
Hand and pedal vehicle drivers	9331
Drivers of animal-drawn vehicles and machinery	9332
Freight handlers	9333
Shelf fillers	9334
Food preparation assistants	9400
Food preparation assistants	9410
Fast food preparers	9411
Kitchen helpers	9412
Street and related sales and service workers	9500
Street and related service workers	9510
Street vendors (excluding food)	9520
Refuse workers and other elementary workers	9600
Refuse workers	9610
Garbage and recycling collectors	9611
Refuse sorters	9612
Sweepers and related laborers	9613
Other elementary workers	9620
Messengers, package deliverers and luggage porters	9621
Odd job persons	9622
Meter readers and vending-machine collectors	9623
Water and firewood collectors	9624
Elementary workers not elsewhere classified	9629
Househusband/housewife	9701
In education	9702
Currently not employed	9703

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