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SOEP Survey Papers

Series D – Variable Descriptions and Coding

SOEP – The German Socio-Economic Panel at DIW Berlin

2020

SOEP-Core v35 – HEALTH

SOEP Group

Running since 1984, the German Socio-Economic Panel (SOEP) is a wide-ranging representative longitudinal study of private households, located at the German Institute for Economic Research, DIW Berlin.

The aim of the SOEP Survey Papers Series is to thoroughly document the survey's data collection and data processing.

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SOEP-Core v35 – HEALTH

SOEP Group

2020

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1 General Information

Starting in 2002 the SOEP health module in the individual questionnaire has been revised and put into a two year replication period. In the HEALTH-File users find the generated SF-12-Variables and variables on height and weight with imputation flags and a user-friendly longitudinal checked generated variable of the Body Mass Index (BMI). Persons with a successful individual interview ($\$netto \geq 10$ & $\$netto < 20$) have been selected for the rec-type HEALTH. The file has a long-format and additional SORTID with the variable SYEAR (Survey-Year).

In 2006 the SF12 could not any longer been generated for the group of first time respondents (age 16/17 = 307).

In 2010 and 2012 not all sub-samples of the SOEP get the very same questionnaire, thus information to generate MCS and PCS was not surveyed and thus the respective population get a value of “-5” for the variable VALID.

2 Variables in File HEALTH

pid – Never Changing Person ID

101	6
102	6
103	4
201	25
202	3
203	24
301	10
302	10
401	3
501	9
601	19
602	29
604	3
701	3
801	2
... (96792 rows omitted)	688785
39235804	2
39236101	2
39236401	1
39236402	1
39237401	1
39237402	1
39237601	1
39237603	1
39237604	1
39237801	1
39237901	1
39238001	2
39238002	1
39238301	2
39238701	1

syear – Survey Year

1984	12245
1985	11090
1986	10646
1987	10516
1988	10023
1989	9710
1990	13972
1991	13669
1992	13397
1993	13179
1994	13417
1995	13768
1996	13511
1997	13283
1998	14670
... (5 rows omitted)	107515
2004	22019
2005	21105
2006	22665
2007	21232
2008	19945
2009	21035
2010	27124
2011	29264
2012	28520
2013	31523
2014	28042
2015	27743
2016	29870
2017	33265
2018	30997

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

This file contains detailed health information that had been collected since 2002 (wave S) in a two year replication cycle. All persons with successful individual questionnaires have been selected for the rectype HEALTH (\$netto >= 10 & \$netto < 20).

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

cid – Original Household Number

19	16
27	52
35	20
43	3
51	9
60	144
78	3

86	2
94	35
108	4
116	15
124	25
132	23
140	7
159	35
... (42233 rows omitted)	688529
3923487	4
3923541	2
3923550	1
3923568	5
3923576	2
3923584	7
3923614	2
3923649	2
3923746	2
3923762	3
3923789	1
3923797	1
3923800	3
3923835	2
3923878	1

hhnr - Original Household Number

19	16
27	52
35	20
43	3
51	9
60	144
78	3
86	2
94	35
108	4
116	15
124	25
132	23
140	7
159	35
... (42233 rows omitted)	688529
3923487	4
3923541	2
3923550	1
3923568	5
3923576	2
3923584	7
3923614	2

3923649	2
3923746	2
3923762	3
3923789	1
3923797	1
3923800	3
3923835	2
3923878	1

persnr – Never Changing Person ID

101	6
102	6
103	4
201	25
202	3
203	24
301	10
302	10
401	3
501	9
601	19
602	29
604	3
701	3
801	2
... (96792 rows omitted)	688785
39235804	2
39236101	2
39236401	1
39236402	1
39237401	1
39237402	1
39237601	1
39237603	1
39237604	1
39237801	1
39237901	1
39238001	2
39238002	1
39238301	2
39238701	1

valid – Completeness Of Generation Of SOEPvSF12

1	Yes 1	208447
2	No 2	6117
-1	No Answer	0
-2	Does not apply	0
-3	Answer improbable	0

-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	18510
-6	Version of questionnaire with modified filtering	0
-8		455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable VALID indicates the completeness status of all twelve variables necessary to calculate the SOEPvSF12 scale.

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

mcs – MCS: Summary Scale Mental (NBS)

0.557105541229248	1
1.26902806758881	1
1.91798865795135	1
3.10717463493347	1
3.53329467773438	1
3.59438991546631	1
3.79868030548096	1
3.89460849761963	1
4.1619873046875	1
4.19222736358643	1
4.62627649307251	1
4.7852931022644	1
4.83451414108276	1
4.91015434265137	1
4.93944358825684	1
... (54587 rows omitted)	208416
77.395866394043	1
77.5756378173828	1
77.6748504638672	2
77.7678375244141	1
77.774055480957	1
77.8670425415039	1
78.2609329223633	1
78.2638702392578	1
78.5644226074219	1
79.3302841186523	1
79.4324264526367	3
79.6308364868164	1
-1	6118
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable mcs is calculated using explorative factor analysis (PCA, varimax rotation). The mean value of the SOEP 2004 population 50 points and SD of 10 points.

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pcs – PCS: Summary Scale Physical (NBS)

9.20834350585938	1
9.92959976196289	1
10.1058921813965	1
10.3783740997314	1
10.5263710021973	2
10.554666519165	1
10.6983299255371	2
10.8271484375	1
10.9233379364014	1
11.1471033096313	1
11.3363170623779	2
11.4195852279663	1
11.5958776473999	3
11.739541053772	1
11.8085746765137	1
... (54664 rows omitted)	208415
75.2409744262695	1
75.2793426513672	1
75.4556350708008	1
75.6539611816406	1
76.3836822509766	1
76.4208602905273	1
76.9201736450195	1
77.2025146484375	1
77.6512908935547	1
77.8078689575195	1
78.1129837036133	1
79.6029663085938	1
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable pcs is calculated using explorative factor analysis (PCA, varimax rotation). The mean value of the SOEP 2004 population 50 points and SD of 10 points.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 1278(1), (in print)

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

pf_nbs – Physical Functioning (NBS)

27.2503871917725	17638
35.026439666748	10820
42.8024864196777	48054
50.5785369873047	31253
58.3545875549316	100682

-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable `pf_nbs` is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 1278(1), (in print)

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rp_nbs – Role Physical (NBS)

21.9236583709717	4553
26.6477699279785	1903
31.3718814849854	14491
36.0959930419922	7253
40.8201065063477	32207
45.5442161560059	13865
50.2683296203613	39119
54.9924430847168	14660
59.716552734375	80396
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable `rp_nbs` is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 1278(1), (in print)

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bp_nbs – Bodily Pain (NBS)

23.0029487609863	5444
32.2144432067871	22205
41.4259414672852	43114
50.6374359130859	56628
59.8489303588867	81056
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable `bp_nbs` is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner

(2007): *Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.*

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gh_nbs – General Health (NBS)

24.8463459014893	7405
35.2284049987793	28069
45.610466003418	66465
55.9925231933594	83454
66.3745880126953	23054
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable gh_nbs is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): *Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.*

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vt_nbs – Vitality (NBS)

26.8213653564453	10265
37.7670745849609	37290
48.7127838134766	90677
59.6584930419922	61277
70.6042022705078	8938
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable vt_nbs is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): *Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.*

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

sf_nbs – Social Functioning (NBS)

14.6924066543579	2295
25.299108505249	10340
35.9058113098145	27894
46.5125160217285	42502
57.1192207336426	125416

-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable `sf_nbs` is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.

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re_nbs – Role Emotional (NBS)

13.3378076553345	1613
18.9306488037109	527
24.5234889984131	6402
30.1163311004639	4599
35.709171295166	21290
41.3020133972168	12323
46.8948554992676	38945
52.4876976013184	12341
58.0805358886719	110407
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable `re_nbs` is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.

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mh_nbs – Mental Health (NBS)

19.7313137054443	868
25.8378124237061	2429
31.9443092346191	11400
38.0508079528809	22604
44.1573028564453	40025
50.263801574707	42627
56.3702964782715	50862
62.4767951965332	27095
68.5832901000977	10537
-1	6117
-5	18510
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable mh_nbs is calculated as a z-transformed scale.

Matthias Nübling, Hanfried H. Andersen, Axel Mühlbacher, Jürgen Schupp, and Gert G. Wagner (2007): *Computation of Standard Values for Physical and Mental Health Scale Scores Using the SOEP Version of SF12v2. Schmollers Jahrbuch, Vol. 127(1), 171-182.*

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bmi – Body-Mass-Index

11.0465850830078	1
11.6275091171265	1
12.0284671783447	1
12.1107263565063	1
12.193263053894	1
12.5511960983276	1
12.5903921127319	2
12.9132232666016	1
13.0308399200439	1
13.2559022903442	1
13.28125	1
13.2851524353027	1
13.3649635314941	4
13.3848896026611	1
13.4203052520752	1
... (4588 rows omitted)	209653
66.015625	1
66.1156997680664	1
66.3554611206055	1
66.824821472168	1
67.2023391723633	1
68.3815155029297	1
68.6792678833008	1
68.7299728393555	1
73.0460205078125	1
73.4618911743164	1
76.207893371582	1
84.4444427490234	1
-1	3037
-5	20353
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable BMI represents the Body-Mass-Index of the respondents. It is calculated from the variables BWEIGHT and HEIGHT by the formula $BMI = BWEIGHT / (HEIGHT)^2$.

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

height – Body Height In cm

107	1
112	1
115	1
116	10
117	6
118	1
120	7
123	1
125	2
126	1
127	1
128	3
130	3
131	7
132	2
... (69 rows omitted)	211682
203	46
204	31
205	36
206	4
207	8
208	7
209	1
210	6
215	1
217	2
220	1
-1	842
-3	7
-5	20353
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable HEIGHT represents the body Height of the respondents in cm which is directly asked in every second year since 2002 (Wave S). The corresponding variable can be found in the \$P-file (for teenagers who has responded to the Youth-questionnaire the respective information was surveyed the first time in 2006 wave W and can be found in the \$PAGE17-files).

In contrast to the \$P/\$PAGE17-variable the variable HEIGHT is edited with respect to item-nonresponse and outliers.

In case of item-nonresponse missing values are imputed by the most recent existing value. It is assumed that for a two-year-period a change of body height of more than 10 cm is implausible if the values of the other observation years differ only in a range of at most 2 cm. Thus the respective information is imputed by the average of the other values of the respondent.

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

fheight - Imputation Flag For Height\$\$

0 No Imputation 0

212678

1	Imputed Or Edited 1	43
-1	No Answer	0
-2	Does not apply	0
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	20353
-6	Version of questionnaire with modified filtering	0
-8		455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable FHEIGHT\$\$ designates imputations of item-nonresponse respectively edited values in the variable HEIGHT.

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

weight - Weight in kg

22	1
30	6
32	2
33	2
34	3
35	14
36	12
37	11
38	22
39	23
40	108
41	34
42	104
43	116
44	121
...	(139 rows omitted) 209232
190	9
193	1
195	3
197	1
200	10
210	2
215	1
217	1
225	2
230	3
250	1
-1	2866
-3	10
-5	20353
-8	455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable BWEIGHT represents the body weight of the respondents in kg which is directly asked in every second year since 2002 (Wave S). The corresponding variable can be found in the \$P-file (for teenagers who has responded to the Youth-questionnaire the respective information was surveyed the first time in 2006 wave W and can be found in the \$PAGE17-files).

In contrast to the \$P/\$PAGE17-variable the variable BWEIGHT is edited with respect outliers but not imputed for item-nonresponse.

It is assumed that for a two-year-period a change of body weight of more than 35 kg is implausible if the values of the other observation years differ only in a range of at most 7 kg. Thus the respective information is imputed by the average of the other values of the respondent.

For more information, contact: Markus M. Grabka (Tel. +49-30-89789-339 / mgrabka@diw.de)

fweight – Imputation Flag For Weight\$\$

0	No Imputation 0	212657
1	Imputed Or Edited 1	64
-1	No Answer	0
-2	Does not apply	0
-3	Answer improbable	0
-4	Inadmissible multiple response	0
-5	Not included in this version of the questionnaire	20353
-6	Version of questionnaire with modified filtering	0
-8		455886

Waves: This information is available since 2002 (wave S) and will be provided for every second year.

The variable FWEIGHT\$\$ designates imputations of item-nonresponse respectively edited values in the variable BWEIGHT.

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