SOEP

The Socio-Economic Panel

757

SOEP Survey Papers

Series D – Variable Descriptions and Coding

SOEP-Core v34 – HEALTH

SOEP Group

DIW SOEP

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.

The SOEP Survey Papers is comprised of the following series:
Series A – Survey Instruments (Erhebungsinstrumente)
Series B – Survey Reports (Methodenberichte)
Series C – Data Documentation (Datendokumentationen)
Series D – Variable Descriptions and Coding
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SOEP-Core v34 – HEALTH

SOEP Group

2019

Contents

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 >= 10 & $netto < 20) have been selected for the rectype 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

201		4
203		4
601		1
602		6
604		1
901		8
1202		3
1501		8
1601		8
1602		4
1603		1
1701		3
1704		3
1705		3
1901		2
…	(63221 rows omitted)	201784
38645703		1
38646201		1
38646401		1
38646701		1
38647301		1
38647501		1
38647601		1
38647701		1
38647702		1
38647801		1
38647802		1
38648101		1
38648301		1
38648601		1
38648901		1

syear – Survey Year

2002	23892
2004	22019
2006	22665
2008	19945
2010	27124
2012	28520
2014	28042
2016	29651

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

27		8
60		43
94		8
124		3
159		8
167		13
175		9
191		2
230		18
280		1
299		1
302		9
388		2
396		4
469		4
...	(28666 rows omitted)	201706
3864529		1
3864537		1
3864570		3
3864626		1
3864642		1
3864677		1
3864731		1
3864758		1
3864766		1
3864774		2
3864782		2
3864812		1
3864839		1
3864863		1

3864898	1

hhnr – Original Household Number

27	8
60	43
94	8
124	3
159	8
167	13
175	9
191	2
230	18
280	1
299	1
302	9
388	2
396	4
469	4
... (28666 rows omitted)	201706
3864529	1
3864537	1
3864570	3
3864626	1
3864642	1
3864677	1
3864731	1
3864758	1
3864766	1
3864774	2
3864782	2
3864812	1
3864839	1
3864863	1
3864898	1

persnr – Never Changing Person ID

201	4
203	4
601	1
602	6
604	1
901	8
1202	3
1501	8
1601	8
1602	4
1603	1
1701	3

1704	3
1705	3
1901	2
... (63221 rows omitted)	201784
38645703	1
38646201	1
38646401	1
38646701	1
38647301	1
38647501	1
38647601	1
38647701	1
38647702	1
38647801	1
38647802	1
38648101	1
38648301	1
38648601	1
38648901	1

valid – Completeness Of Generation Of SOEPvSF12

1	[1] Yes 1	178914
2	[2] No 2	4743
-1	[-1] No Answer	0
-2	[-2] Does not apply	0
-3	[-3] Answer improbable	0
-4	[-4] Inadmissible multiple response	0
-5	[-5] Not included in this version of the questionnaire	18201
-6	[-6] Version of questionnaire with modified filtering	0

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)

0.557106	1
1.269028	1
1.917989	1
3.107175	1
3.533295	1
3.79868	1
3.894608	1
4.161987	1
4.192227	1
4.626276	1
4.834514	1

4.910154		1
4.939444		1
5.324458		1
5.612217		1
…	(48948 rows omitted)	178882
77.194519		1
77.197456		2
77.21199		1
77.293724		1
77.395866		1
77.575638		1
77.67485		2
77.767838		1
77.774055		1
78.26387		1
79.330284		1
79.432426		2
79.630836		1
-1		4744
-5		18201

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)

9.208344		1
9.9296		1
10.105892		1
10.378374		1
10.526371		2
10.554667		1
10.69833		2
10.827148		1
11.147103		1
11.336317		2
11.595878		3
11.739541		1
11.808575		1
11.820886		1
11.844398		1
…	(49012 rows omitted)	178881
74.671318		1
74.872307		1
74.943802		1
75.240974		1
75.279343		1

75.455635	1
75.653961	1
76.383682	1
76.42086	1
76.920174	1
77.807869	1
78.112984	1
79.602966	1
-1	4743
-5	18201

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)

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pf_nbs – Physical Functioning (NBS)

27.25039	15302
35.02644	9271
42.80249	41344
50.57854	26884
58.35459	86113
-1	4743
-5	18201

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)

21.92366	3867
26.64777	1654
31.37188	12320
36.09599	6220
40.82011	27796
45.54422	11922
50.26833	33996
54.99244	12511
59.71655	68628
-1	4743

-5	18201

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)

23.00295	4544
32.21444	18924
41.42594	36967
50.63744	48930
59.84893	69549
-1	4743
-5	18201

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)

24.84635	6447
35.22841	24288
45.61047	57585
55.99252	72076
66.37459	18518
-1	4743
-5	18201

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)

26.82137	8835

37.76708	32299
48.71278	77734
59.65849	52549
70.6042	7497
-1	4743
-5	18201

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.

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sf_nbs – Social Functioning (NBS)

14.69241	1976
25.29911	8797
35.90581	23984
46.51252	37159
57.11922	106998
-1	4743
-5	18201

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)

13.33781	1359
18.93065	468
24.52349	5439
30.11633	4033
35.70917	18458
41.30201	10892
46.89486	34084
52.4877	10701
58.08054	93480
-1	4743
-5	18201

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)

19.73131	749
25.83781	2083
31.94431	9900
38.05081	19578
44.1573	34310
50.2638	36707
56.3703	43420
62.4768	23017
68.58329	9150
-1	4743
-5	18201

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

8.08100032806396	1	
10.1540002822876	1	
11.0729999542236	2	
11.6280002593994	1	
12.1929998397827	2	
12.4890003204346	1	
12.5509996414185	1	
12.5900001525879	2	
12.701000213623	1	
12.8559999465942	1	
12.9130001068115	1	
12.9549999237061	1	
13.0310001373291	1	
13.2810001373291	1	
13.2849998474121	1	
... (4056 rows omitted)		180374
64.1999969482422	1	
64.5660018920898	1	
64.6549987792969	1	
64.7969970703125	1	

65.7409973144531	1
66.3550033569336	1
66.8249969482422	1
67.2020034790039	1
68.6790008544922	1
73.0459976196289	1
73.4619979858398	1
76.2080001831055	1
90.7369995117188	1
-1	1898
-5	19555

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	4
117	5
118	1
120	5
125	2
127	1
128	1
130	3
131	6
132	2
135	2
136	1
… (63 rows omitted)	181868
200	139
201	27
202	28
203	38
204	27
205	30
206	2
207	6
208	6
209	1
210	4
217	2
220	1
-1	106
-5	19537

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.

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fheight – Imputation Flag For Height$$

0	[0] No Imputation 0	198049
1	[1] Imputed Or Edited 1	3809
-1	[-1] No Answer	0
-2	[-2] Does not apply	0
-3	[-3] Answer improbable	0
-4	[-4] Inadmissible multiple response	0
-5	[-5] Not included in this version of the questionnaire	0
-6	[-6] Version of questionnaire with modified filtering	0

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	2
29	1
30	5
32	5
33	2
34	5
35	14
36	9
37	10
38	19
39	21
40	94
41	27
42	92
43	97

… (130 rows omitted)	179985
184	1
185	4
188	1
190	7
195	2
200	9
210	1
215	1
217	1
225	2
230	2
250	1
-1	1877
-3	11
-5	19550

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.

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fweight – Imputation Flag For Weight$$

0	[0] No Imputation 0	198635
1	[1] Imputed Or Edited 1	3223
-1	[-1] No Answer	0
-2	[-2] Does not apply	0
-3	[-3] Answer improbable	0
-4	[-4] Inadmissible multiple response	0
-5	[-5] Not included in this version of the questionnaire	0
-6	[-6] Version of questionnaire with modified filtering	0

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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