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SOEP Survey Papers
Series D – Variable Descriptions and Coding

SOEP-Core v37 – HEALTH

Markus Grabka and SOEP Group

DIW SOEP

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The file health is part of a collection, which is released with doi:10.5684/soep.core.v37o.

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

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
...	(7 rows omitted)	150639
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

2019	30397
2020	31083

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 Houshold Number, Case ID

valid – Completeness Of Generation Of SOEPvSF12

1	Yes 1	241211
2	No 2	66213
-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	20395
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8		422621

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)

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)

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)

27.2503871917725	20078
35.026439666748	12366
42.8024864196777	55620
50.5785369873047	36145
58.3545875549316	117002
-1	66213
-5	20395
-8	422621

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	5191
26.6477699279785	2138
31.3718814849854	16545
36.0959930419922	8336
40.8201065063477	36885
45.5442161560059	15980
50.2683296203613	44865
54.9924430847168	17082
59.716552734375	94189
-1	66213
-5	20395
-8	422621

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	6334
32.2144432067871	25508
41.4259414672852	49818
50.6374359130859	65032
59.8489303588867	94519

-1	66213
-5	20395
-8	422621

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	8316
35.2284049987793	31788
45.610466003418	75033
55.9925231933594	96570
66.3745880126953	29504
-1	66213
-5	20395
-8	422621

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	11953
37.7670745849609	42591
48.7127838134766	104268
59.6584930419922	71501
70.6042022705078	10898
-1	66213
-5	20395
-8	422621

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)

14.6924066543579	2763
25.299108505249	12258
35.9058113098145	32473
46.5125160217285	48993
57.1192207336426	144724
-1	66213
-5	20395
-8	422621

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	1908
18.9306488037109	628
24.5234889984131	7550
30.1163311004639	5378
35.709171295166	24737
41.3020133972168	14223
46.8948554992676	44677
52.4876976013184	14309
58.0805358886719	127801
-1	66213
-5	20395
-8	422621

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	1012
25.8378124237061	2830
31.9443092346191	13011
38.0508079528809	25848
44.1573028564453	46506

50.263801574707	49420
56.3702964782715	58814
62.4767951965332	31344
68.5832901000977	12426
-1	66213
-5	20395
-8	422621

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

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

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	239280
1	Imputed Or Edited 1	57
-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	24820

-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8		486283

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

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	239244
1	Imputed Or Edited 1	93
-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	24820
-6	Version of questionnaire with modified filtering	0
-7	Only available in less restricted edition	0
-8		486283

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