SOEP The German Socio-Economic Panel Study

254

SOEP Survey Papers

Series D – Variable Descriptions and Coding

SOEP – The German Socio-Economic Panel Study at DIW Berlin 2014

# SOEP 2013 – Documentation of the Person-related Meta-dataset HEALTH for SOEP v30

SOEP Group

DIW SOEP

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DIW SOEP The German Socio Economic Panel Study

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# SOEP 2013 – DOCUMENTATION OF THE PERSON-RELATED META-DATASET HEALTH FOR SOEP v30

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## 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). Eligible for this file are persons with successful individual questionnaires have been selected for the rectype HEALTH ($netto >= 10 & $netto < 20). The file has a long-format and additional SORTID with the variable SVYYEAR (Survey-Year).
In 2006 the SF12 could not any longer been generated for the group of first time respondents (age 16/17 = 307).

# List of Variables:

SVYYEAR ..... 3
VALID ..... 3
MCS ..... 3
PCS ..... 4
PF_NBS ..... 4
RP_NBS ..... 4
BP_NBS ..... 4
GH_NBS ..... 5
VT_NBS ..... 5
SF_NBS ..... 5
RE_NBS ..... 5
MH_NBS ..... 6
BMI ..... 6
HEIGHT ..... 6
FHEIGHT ..... 7
BWEIGHT ..... 7
FWEIGHT ..... 7

## SVYYEAR

Var Label : SVYYEAR **Year the data collection of this file took place**
Var format : valid (I4)

Comment:
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).

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## VALID

Var Label : VALID **Completeness of Generation of SOEPvSF12**
Var format : valid (D10.6)

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

(-2) did not apply
(1) yes – SOEPvSF12 indicators have valid scoring
(2) no – missing SOEPvSF12 scoring

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

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## MCS

Var Label: **Mental Component Summary Scale (Mental Health)**
Var format : mcs (D10.6)
Comment:
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.
Details are documented in:
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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## PCS

Var Label: **Physical Component Summary Scale (Physical Health)**
Var format : pcs (D10.6)

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.
Details are documented in:
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

Var Label: **Physical Functioning (2 vars) norm-based scoring (NBS)**
Var format : pf_nbs (D10.6)

The variable pf_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var Label: **Role Physical (2 vars) norm-based scoring (NBS)**
Var format : rp_nbs (D10.6)

The variable rp_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **Bodily pain (1 var) norm-based scoring (NBS)**
Var format : bp_nbs (D10.6)

The variable bp_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **General health (1 var) norm-based scoring (NBS)**
Var format : gh_nbs (D10.6)

The variable gh_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **Vitality (1 var) norm-based scoring (NBS)**
Var format : vt_nbs (D10.6)

The variable vt_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **Social functioning (1 var) norm-based scoring (NBS)**
Var format : sf_nbs (D10.6)

The variable sf_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **Role emotional (2 vars) norm-based scoring (NBS)**
Var format : re_nbs (D10.6)

The variable re_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var labels: **Mental health (2 vars) norm-based scoring (NBS)**
Var format : mh_nbs (D10.6)

The variable mh_nbs is calculated as a z-transformed scale. Details are documented in:
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

Var Label : BMI **Body-Mass-Index**
Var format : BMI (F3)

Comment:
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.

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## HEIGHT

Var Label : HEIGHT **Height in cm**
Var format : HEIGHT (I4)

Comment:
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

Var Label : FHEIGHT **Imputation Flag for Height$$**
Var format : FHEIGHT (I1)

Comment:
The variable FHEIGHT$$ designates imputations of item-nonresponse respectively edited values in the variable HEIGHT.
FHEIGHT can take the values
0 = “No Imputation” or
1 = “Imputed or edited”.

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## BWEIGHT

Var Label : BWEIGHT **Body Weight in kg**
Var format : BWEIGHT (I4)

Comment:
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 and imputed 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 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

Var Label : FWEIGHT **Imputation Flag for BWEIGHT**
Var format : FWEIGHT (I1)

Comment:
The variable FWEIGHT$$ designates imputations of item-nonresponse respectively edited values in the variable BWEIGHT.
FWEIGHT can take the values
0 = “No Imputation” or
1 = “Imputed or edited”.

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