For me. For all.
Swiss health study

Pilot phase

Schweizer Gesundheitsstudie – Etude sur la santé – Swiss Health Study

Data catalogue

Procedure

Data and samples from SHeS-pilot are available for non-profit research organisations upon request and evaluation by the governing board of the study.

Description of data files

The Data package number reflects the type of data included in the package and is in the numeric Format X.X.X (e.g. 1.1.1). The first number denotes the level of participation, the second the category of data, and the third the specific data set.

First digit: Level of participation relates to the setup of the study:

1. Complete participation
   Participants who participated in the whole study (including study visit)
2. Partial participation
   Participants who only filled in online questionnaires (without study visit)
3. Non-respondents
   Invited participants who refused to participate in the study, but accepted to respond to some general questions by phone instead

Data users can manually filter the population of interest in each package, based on the column “population” in the accompanying data file 1.1.1.

Second digit: Data categories:

1. Accompanying data
2. Questionnaire data (self-administered and interview)
3. Health examination data
4. Analytical data associated with collected HBM samples (blood, urine)

Third digit: Specific data set relates to specific data content of each package.
See table below.

For me. For all.
Swiss health study

Pilot phase

Available data files (part 1):

Data set n°	Level of participation	Data category	Specific data set	Abbreviated title	Sample (N)	Remarks	Package name
1.1.1	Complete participation	Accompanying data – demographics	Non-identifying, personal data (age, gender, population etc.)	Demographics	789	Master file shared with every other "Complete participation" package (1.X.X)	1.1.1_Demographics 1.1.1_Demographics_codebook
1.1.2	Complete participation	Accompanying data – study visit	Screening questionnaire for inclusion to various health examinations during study visit. Includes date/hour of study visit.	Screening	789	Master file shared with every other "Complete participation - Health exam" package (1.2.X)	1.1.2_Screening 1.1.2_Screening_codebook
1.2.1	Complete participation	Questionnaires	Attitude regarding health research	A1	789		1.2.1_A1 1.2.1_A1_codebook
1.2.2	Complete participation	Questionnaires	Living environment and exposures	EX1	789		1.2.2_EX1 1.2.2_EX1_codebook
1.2.3	Complete participation	Questionnaires	Medical history	HM	789		1.2.3_HM 1.2.3_HM_codebook
1.2.4	Complete participation	Questionnaires	WHO-Quality of life questionnaire	QoL	789		1.2.4_QoL 1.2.4_QoL_codebook
1.2.5	Complete participation	Questionnaires	Questions related to Covid-19	Corona	789	30 of 789 participants did not reply to this questionnaire (corresponding to wave 0 participants who had already completed the study visit before the pandemic)	1.2.5_Corona 1.2.5_Corona_codebook

Available data files (part 2):

1.2.6	Complete participation	Questionnaires	Attitude regarding health research 2	A2	789	Interview questions	1.2.6_A2 1.2.6_A2_codebook
1.2.7	Complete participation	Questionnaires	Working environment and additional exposures	EX2	789	Interview questions	1.2.7_EX2 1.2.7_EX2_codebook
1.2.8	Complete participation	Questionnaires	Food Frequency Questionnaire	FFQ	109	Given to participants from convenience sample only (vegetarian/vegan diet)	1.2.8_FFQ 1.2.8_FFQ_codebook
1.3.1	Complete participation	Health exam	Urine point-of-care	Urine PoC	789	20 of 789 participants did not take part in this exam	1.3.1_UrinePoC 1.3.1_UrinePoC_codebook
1.3.2	Complete participation	Health exam	Hand Grip	HG	789	2 of 789 participants did not take part in this exam	1.3.2_HG 1.3.2_HG_codebook
1.3.3	Complete participation	Health exam	Blood Pressure	BP	789		1.3.3_BP 1.3.3_BP_codebook
1.3.4	Complete participation	Health exam	Anthropometry	Anthropo.	789		1.3.4_Anthropo 1.3.4_Anthropo_codebook
1.3.5	Complete participation	Health exam	Bioimpedance	BIA	789	43 of 789 participants did not take part in this exam	1.3.5_BIA 1.3.5_BIA_codebook
1.3.6	Complete participation	Health exam	Blood point-of-care	Blood PoC	789	1 of 789 participant did not have his HbA1c calculated. 21 of 789 participants did not take part in this exam	1.3.6_BloodPoC 1.3.6_BloodPoC_codebook

Available data files (part 3):

1.3.7	Complete participation	Health exam	Spirometry	Spirometry	789	37 of 789 participants did not take part in this exam	1.3.7_Spirometry 1.3.7_Spirometry_codebook
1.3.8	Complete participation	Health exam	Oxidative potential in exhaled air	OPEA	789	Data cleaning in progress	
1.3.9	Complete participation	Health exam	Accelerometry	Accelero.	789	249 of 789 participants have incomplete or no data for this exam.	1.3.9_Accelerometry 1.3.9_Accelerometry_codebook 1.3.9_Accelerometry_ActiLife *folder*
1.3.10	Complete participation	Health exam	MyFoodRepo mobile app	MFR	789	For 83 participants, the app was not yet vailable. 298 participants refused to use the app. From 408 acceptances, 5 later withdrew. Conclusion: 386 of 789 participants have no data for this exam.	1.3.10_MFR_data_app 1.3.10_MFR_data_app_codebook 1.3.10_MFR_study_info 1.3.10_MFR_study_info_codebook
1.4.1	Complete participation	Analytical data	Blood and urine routine parameters (incl. complete blood count, blood electrolytes, vitamins, lipids; anti-SARS-CoV-2 antibodies, urine analysis)	Blood/urine param.	789	5 of 789 participants did not have their blood drawn	1.4.1_BloodUrine_param 1.4.1_BloodUrine_param_codebook

Available data files (part 4):

1.4.2	Complete participation	Analytical data	Metals in full venous blood	Metals	789	Data unavailable for 21 of 789 participants	1.4.2_Metals 1.4.2_Metals_codebook
1.4.3	Complete participation	Analytical data	Glyphosate	Glyphosate	789	Data unavailable for 6 of 789 participants	1.4.3_Glyphosate 1.4.3_Glyphosate_codebook
1.4.4	Complete participation	Analytical data	Levels of selenium, zinc, and vitamin B12	Sub_selenium	109	Available for participants from convenience sample only (vegetarian/vegan diet)	1.4.4_Sub_selenium 1.4.4_Sub_selenium_codebook
1.4.5	Complete participation	Analytical data	PFAS in venous blood serum	PFAS	789	Data unavailable for 11 of 789 participants	1.4.5_PFAS 1.4.5_PFAS_codebook
2.1.1	Partial participation	Accompanying data - demographics	Non-identifying, personal data (age, gender, population etc.)	Demographics	560	Master file shared with every other "Partial participation" package (2.X.X)	2.1.1_Demographics 2.1.1_Demographics_codebook
2.2.1	Partial participation	Questionnaires	Attitude regarding health research	A1	560	1 of 560 participants did not fill this questionnaire in	2.2.1_A1 2.2.1_A1_codebook
2.2.2	Partial participation	Questionnaires	Living environment and exposures	EX1	560		2.2.2_EX1 2.2.2_EX1_codebook
2.2.3	Partial participation	Questionnaires	Medical history	HM	560		2.2.3_HM 2.2.3_HM_codebook
2.2.4	Partial participation	Questionnaires	WHO-Quality of life questionnaire	QoL	560		2.2.4_QoL 2.2.4_QoL_codebook
2.2.5	Partial participation	Questionnaires	Questions related to Covid-19	Corona	560	77 of 560 participants did not fill this questionnaire in	2.2.5_Corona 2.2.5_Corona_codebook

Available data files (part 5):

3.2.1	-	Questionnaires	Non-respondent questionnaire for participants who refused to take part in the study but answered a short phone questionnaire	NR	42		3.2.1_NR 3.2.1_NR_codebook

Additional information

The “Accompanying data –demographics” files contain age, gender, and population type of each participant for the corresponding level of participation. These files will be shared along with each data request.

The population types covered are as followed:

R - Random sample of participants from the general population of the Cantons of Vaud and Bern

C - Convenience sample of vegans/vegetarians from a sub-study on selenium, in the canton of Vaud

S – Self-selected participants from all over Switzerland

W - Wave 0 participants from a random sample of the general population of the Cantons of Vaud and Bern that was used before the pandemic.

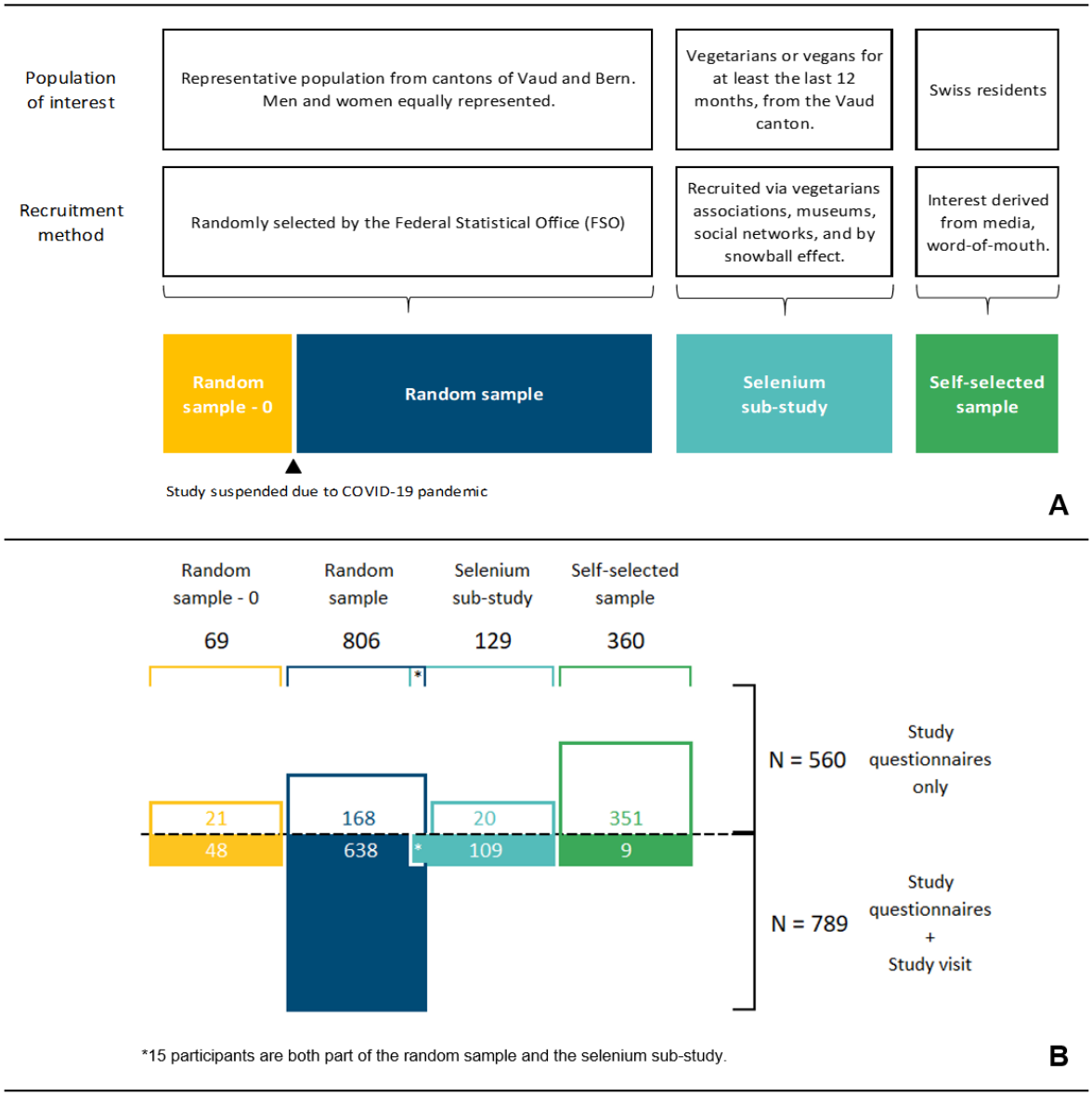
Reasoning for the separation of R and W: After the pandemic, due to the long break, a new random sample had to be drawn and a new questionnaire relating to the SARS-CoV-2 pandemic was included, that was not answered by Wave 0 participants that had already completed the study visit (31 participants). Some participants from Wave 0, however, came to the study visit when the study resumed and completed the SARS-Cov-2 questionnaire.

Sample	Complete participation (N)	Partial participation (N)
R	638	168
C	109*	20
S	9	351
W	48	21
Total	**789***	**560**

*15 participants are both R and C. If R and C are used together, these doubles have to be removed based on the unique identifier “did”.

Main components of the project, their target population and recruitment procedures are represented in the Fig.1 below.

Fig 1. Components of the project, including target populations and recruitment methods. Panel A: Study samples and their respective population of interest and recruitment method; Panel B: Number of participants per level of participation and recruitment channel.



Source: https://doi.org/10.1371/journal.pone.0289181