

menuCH - Swiss Nutrition Survey 2014-2015

Submission date 14/07/2017	Recruitment status No longer recruiting	<input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol <input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results <input type="checkbox"/> Individual participant data
Registration date 27/07/2017	Overall study status Completed	
Last Edited 01/05/2025	Condition category Nutritional, Metabolic, Endocrine	

Plain English summary of protocol

Background and study aims

In the past Switzerland has lacked nationally representative information to evaluate diet, nutrition and food safety. To fill in the gap, the first national nutrition survey called 'menuCH' was conducted in 2014-2015. The primary aim of the cross-sectional survey was to determine what and how much people living in Switzerland eat and drink, when and where. The Institutes of Social and Preventive Medicine in Lausanne (IUMSP) and Bern (ISPM) developed and conducted menuCH on behalf of Swiss Federal Food Safety and Veterinary Office and Federal Office of Public Health, which funded the survey. Results on anthropometric characteristics and indicators of eating and physical activity behaviours have been published in a public report in English. Further results on dietary intakes at food and nutrient levels are to be published.

Who can participate?

Adults aged 18 to 75 living in Switzerland

What does the study involve?

Participants complete a questionnaire about physical activity and diet, and attend a study visit where they have their height and weight measured. Participants' food consumption is mainly assessed via a multiple-pass 24-hour dietary recalls (24HDR), using an international validated software (GloboDiet®). Participants are followed up with a phone call for a second 24HDR around two to six weeks later.

What are the possible benefits and risks of participating?

There are no benefits or risks with participating.

Where is the study run from?

Institute of Social and Preventive Medicine of Lausanne (IUMSP) and Bern (ISPM) / Federal Food Safety and Veterinary Office (Switzerland)

When is the study starting and how long is it expected to run for?

October 2012 to December 2016

Who is funding the study?

1. Federal Food Safety and Veterinary Office (Switzerland)
2. Federal Office of Public Health (Switzerland)

Who is the main contact?
menuCH team
ernaehrungserhebung@blv.admin.ch

Study website

<https://menuch.iumsp.ch/>

Contact information

Type(s)

Scientific

Contact name

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Type(s)

Public

Contact name

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Additional identifiers

EudraCT/CTIS number

IRAS number

ClinicalTrials.gov number

Study information

Scientific Title

Switzerland - National Nutrition Survey menuCH 2014-2015

Acronym

menuCH

Study objectives

The aim of the National Nutrition Survey menuCH is to define what and how much people living in Switzerland eat and drink, when and where in order to evaluate better the nutrition situation, keep high and improve food safety, detect faster possible risks associated with food, verify and adapt if necessary the present dietary recommendations, improve the food range and composition, develop and implement effective nutrition strategies and measures to promote health and quality of life, support research and development in the fields of nutrition, food and behaviour sciences with up-to-date and nationally representative data.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Cantonal ethics committee of Vaud, 21/02/2013, ref: Protocol 26/13

Study design

Nationwide cross-sectional nutrition survey of a stratified random sample of the population

Primary study design

Observational

Secondary study design

Cross sectional study

Study setting(s)

Community

Study type(s)

Prevention

Participant information sheet

Not available in English in web format. Please contact ernaehrungserhebung@blv.admin.ch to request a patient information sheet (only available in German, French and Italian).

Health condition(s) or problem(s) studied

Population-based nutrition study

Interventions

Trained dietitians/nutritionists conduct two interviews per participant in German, French or Italian. The first interview is conducted face-to-face and the second is conducted by phone two to six weeks later.

The face-to-face interview consists of six elements:

1. Introduction and consent
2. Completeness check of the dietary behaviour and physical activity questionnaire
3. Anthropometric measurements
4. 24-hour dietary recalls (24HDR) using the international validated software GloboDiet® (40-60 minutes)
5. Schedule of the second phone-administrated 24HDR
6. Closure

The phone interview consists of only elements 4 and 6.

Intervention Type

Behavioural

Primary outcome measure

1. Food consumption is assessed by two non-consecutive multiple-pass 24-hour dietary recalls
2. Body weight and height is measured to the nearest 0.1 kg and cm, respectively following WHO guidelines using a calibrated Seca 701 scale, equipped with a Seca 220 telescopic measuring rod (Seca GmbH, Hamburg, Germany). Body weight and height are used to calculate Body Mass Index (BMI)
3. Mean waist and hip circumferences are calculated out of three measures to the nearest 0.1 cm using a Gulick I unstretchable tape, equipped with a dynamometer (North Coast Medical, CA, USA)

Secondary outcome measures

1. Cooking and eating habits, nutrition knowledge, and physical activity (short form IPAQ), socioeconomic and demographic characteristics are assessed via a self-administered 49-item paper questionnaire

Overall study start date

01/10/2012

Completion date

31/12/2016

Eligibility

Key inclusion criteria

1. Non-institutionalized residents of Switzerland
2. Aged 18 to 75 years

Participant type(s)

Healthy volunteer

Age group

Adult

Lower age limit

18 Years

Sex

Both

Target number of participants

2000

Key exclusion criteria

Institutionalized or unable to communicate in the national language

Date of first enrolment

27/01/2014

Date of final enrolment

28/02/2015

Locations**Countries of recruitment**

Switzerland

Study participating centre

Institute of Social and Preventive Medicine (IUMSP) / Lausanne University Hospital (CHUV)

Route de la Corniche 10

Lausanne

Switzerland

1010

Study participating centre

Institute of Social and Preventive Medicine (ISPM) / University of Bern

Finkenhubelweg 11

Bern

Switzerland

3012

Sponsor information**Organisation**

Swiss Federal Food Safety and Veterinary Office

Sponsor details

Schwarzenburgstrasse 155
Bern
Switzerland
3003
+41 58 463 30 33
info@blv.admin.ch

Sponsor type

Government

Website

https://www.blv.admin.ch/blv/fr/home.html?_organization=1079

Organisation

Swiss Federal Office of Public Health

Sponsor details

Schwarzenburgstrasse 157
Bern
Switzerland
3003
+41 58 462 21 11
info@bag.admin.ch

Sponsor type

Government

Website

https://www.bag.admin.ch/bag/fr/home.html?_organization=317

Organisation

Federal Food Safety and Veterinary Office

Sponsor details

-
-
Switzerland
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Sponsor type

Not defined

Website

<http://www.blv.admin.ch/?lang=en>

ROR

<https://ror.org/01hwpsz06>

Funder(s)

Funder type

Government

Funder Name

Swiss Federal Food Safety and Veterinary Office

Funder Name

Swiss Federal Office of Public Health

Results and Publications

Publication and dissemination plan

For first results from the anthropometry and the questionnaire about nutrition behavior and physical activity in Switzerland see:

Bochud et al. (2017) Anthropometric characteristics and indicators of eating and physical activity behaviors in the Swiss adult population. Results from menuCH 2014-2015. Report on behalf of the Federal Office of Public Health and the Food Safety and Veterinary Office. Published online 16/03/2017. (Available: <https://menuch.iumsp.ch/index.php/catalog/4/download/58>)

More results are available in German, French or Italian here: <https://www.blv.admin.ch/blv/de/home/lebensmittel-und-ernaehrung/ernaehrung/menuch.html>, <https://www.blv.admin.ch/blv/fr/home/lebensmittel-und-ernaehrung/ernaehrung/menuch.html>, <https://www.blv.admin.ch/blv/it/home/lebensmittel-und-ernaehrung/ernaehrung/menuch.html>

It is planned to publish more results at food and nutrient levels in scientific peer-reviewed journals.

Intention to publish date

31/12/2017

Individual participant data (IPD) sharing plan

All survey data are available on: <https://menuch.iumsp.ch/> (or directly here: <https://menuch.iumsp.ch/index.php/catalog/4>)

IPD sharing plan summary

Stored in repository

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results	Pilot study results (published)	01/03			

article		/2017		Yes	No
Results	Main study results (published)	25/10		Yes	No
article		/2017			
Results	Alcohol-Drinking Levels	16/06	05/09	Yes	No
article		/2022	/2023		
Results	Caffeine consumption	20/12	05/09	Yes	No
article		/2019	/2023		
Results	Cancer-protective lifestyle adherence	14/09	05/09	Yes	No
article		/2023	/2023		
Results	Dietary Patterns	29/12	05/09	Yes	No
article		/2018	/2023		
Results	Differences between menuCH participants with different meat-eating habits	07/09	05/09	Yes	No
article		/2020	/2023		
Results	Does diet map with mortality?	14/04	05/09	Yes	No
article		/2022	/2023		
Results	Processed meat and association with sociodemographic and lifestyle factors	23/10	05/09	Yes	No
article		/2019	/2023		
Results	Ultraprocessed food intake	25/10	05/09	Yes	No
article		/2022	/2023		
Results	Breakfast composition and abdominal obesity	20/11	06/09	Yes	No
article		/2018	/2023		
Results	Contribution of diet quality to socioeconomic inequalities in obesity	12/07	06/09	Yes	No
article		/2019	/2023		
Results	Sugar consumption	19/05	06/09	Yes	No
article		/2019	/2023		
Results	Using different dietary assessment methods	21/03	06/09	Yes	No
article		/2022	/2023		
Results	Organic food intake	24/04	01/05	Yes	No
article		/2025	/2025		