

CodeBook

Kardiovize Brno 2030 – cohort 65+ years

Parental study

The Kardiovize is an ongoing multidisciplinary epidemiological project with a random sample of 25–64 years-old residents of the city of Brno, stratified by sex and gender, designed as a prospective study. The goal includes assessing the prevalence, determinants, outcomes and trends of cardiovascular diseases in urban population of the Czech Republic. The project was planned into three successive phases. The parental cohort is phase two of this project.

Parental study is focusing on the prevalence of the major CVD risk factors in the elderly participants. Participants were enrolling based on the relationship (parents or the foster parents of the participants) with the baseline cohort (phase 1).

The recruitment and examination were completed between 2018 and 2019. The examination of the participants were split to two days.

This document describes the content, structure and layout of a data collection. It contains information intended to be complete and self-explanatory for each variable in a data file. It comprises all your requested data, ordered and categorized.

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Revision history

Version	Date	Revision	Signature
1.1.	02.05.2024	Calculated variables subchapters added	VK
1.2.	04.11.2024	Correction of the number of available samples	VK
1.3.	18.12.2024	Correction of calculation of Calculated variables	VK

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1. Questionnaires

1. Demographic data

274 complete case reports are available.

Variable name	Question	Values	Type of data
sex	Gender	1, Man 2, Woman	Basic
d_vzdelani	Highest level of education	1, unfinished primary school 2, primary school 3, high vocational school (without graduation) 4, high school with graduation 5, higher vocational school 6, university	Basic
se_35	Current economic status	1, employee 2, private entrepreneur 3, free profession (artist, performer, etc.) 4, farmer 5, working pensioner 6, pensioner 7, housewife 8, unemployed	Basic
d_rod_stav	Family status	1, Single 2, Married 3, Partnership 4, Divorced 5, Widowed	Basic
d_deti	Number of participants's children	text (number)	Basic

2. Personal history

274 complete case reports are available. The methodology was based on MONICA study

References: <http://www.thl.fi/publications/monica/>

Variable name	Question	Values	Type of data
age	Age at time of visit.	text (number)	Basic
oa_zdr_stav	Over the last 12 months, would you say your health has been	1, Excellent 2, Very good 3, Good 4, Fair 5, Poor	Basic
dep_1	Are you often feeling sad or depressed?	1, No 2, Yes	Basic
	Have any of the following diseases ever been diagnosed in you by a doctor and have you ever been hospitalized for:		
oa_ichs	Angina pectoris/ ischemic heart	1, Yes, diagnosed and hospitalized 2, Yes, diagnosed, never hospitalized 3, No or do not know	Basic
oa_infarkt	Heart attack		Basic
oa_perkut	Percutaneous coronary intervention		Basic
oa_graft	Coronary artery bypass grafting		Basic
os_srdecni	Cardiac failure		Basic
oa_hypertenze	Hypertension (high blood pressure)		Basic
oa_mrtvice	Stroke		Basic
oa_cho	Chronic respiratory disease		Basic
oa_nador	Cancer		Basic
oa_vred	Stomach ulcer or duodenal ulcer disease		Basic
oa_jatra	Liver and gallbladder disease		Basic

oa_ledviny	Kidney stones		Basic
oa_chrd	Chronic kidney disease		Basic
oa_hyperure	Hyperuricemia (gout)		Basic
oa_astma	Asthma		Basic
oa_atopy	Atopic eczema		Basic
oa_senna	Hay fever		Basic
oa_alergie_jina	Another allergy		Basic
oa_pater	Disease of spine or joints		Basic
oa_neuro	Neurological disease		Basic
oa_hypooth	Hypothyroidism (decreased thyroid function)		Basic
oa_hyperhy	Hyperthyroidism		Basic
oa_diabetes1	Diabetes I		Basic
oa_diabetes2	Diabetes II		Basic
vek_oa_infarkt	Age at first heart attack/acute myocardial infarction	text (number, Min: 0, Max: 120)	Basic
vek_oa_mrtvice	Age of first stroke	text (number, Min: 0, Max: 120)	Basic
vek_oa_ap	Age of ischemic heart disease	text (number, Min: 0, Max: 120)	Basic
oa_nador_spec	Please specify type of cancer	text	Basic
oa_neuro_spec	Please specify type of neurological disease	text	Basic
oa_vysok_tlak	Have you ever been told by a doctor that you have high blood pressure?	1, No 2, Yes	Basic
oa_vt_medikace	If yes, have you been taking drugs for high blood pressure in the last 2 weeks?	1, No 2, Yes 3, Do not know	Basic
oa_diabetes	Have you ever been told by a doctor that you have diabetes or increased fasting glycaemia?	1, No 2, Yes	Basic
oa_diabetes_vek	If yes, at what age were you diagnosed?	text (number, Min: 1, Max: 150)	Basic
oa_diabetes_lecba	How are you treated?	1, Only by diet 2, By diet and insulin 3, By diet and pills 4, Pills and insulin 5, No treatment	Basic

oa_cholesterol	Have you ever been told by a doctor that you have high blood cholesterol or other blood lipids – e.g. LDL-cholesterol, non-HDL-cholesterol, triglycerides?	1, No 2, Yes	Basic
oa_cholesterol_lecba	If yes, how are you treated?	1, Only by diet 2, By diet and pills 3, Pills only 4, No treatment	Basic
oa_ostatni	Are you under long-term treatment or medical care for any medical condition, except for high blood pressure, high cholesterol or diabetes?	1, No 2, Yes	Basic
oa_ostatni_spec	If yes, please, give details	text	Basic

3. General health status

274 complete case reports are available. The methodology was based on HAPIEE study.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc. HAPIEE study

Variable name	Question	Values	Type of data
oa_vyska	What is your height in cm?	text (number, Min: 50, Max: 300)	Basic
oa_hmotnost	What is your weight in kg	text (number, Min: 30, Max: 300)	Basic
na_hmotnost_2_1	Have you recently lost weight such that your clothing become looser in the last 12 months?	1, No 2, Yes	Basic
oa_12_m_uraz	In the past 12 months have you been injured or have you had an accident serious enough to contact a doctor?	1, No 2, Yes	Basic
oa_12_m_uraz_kolik	How many times?	text (integer, Min: 1, Max: 99)	Basic
oa_12_m_uraz_spec	Please, specify kind of injury or accident.	text	Basic
oa_hospital	In the last year, how many times have you been hospitalized?	text (integer, Min: 0, Max: 99)	Basic
oa_pad	In the last month, have you had any fall including a slip or trip in which you lost your balance and landed on the floor or ground or lower level?	1, No 2, Yes	Basic
oa_febrile	In the last two weeks, did you have a febrile condition?	1, No 2, Yes	Basic
oa_kontinence	Do you have a problem with urine leakage?	1, No 2, Yes	Basic
oa_omezeni	During last 6 months, how much did your health limit your ability in common daily activities?	1, Limited a lot 2, Limited a little 3, Not limited	Basic
	Does your current health limit your ability in these activities? If so, how much?		
oa_omez_1	Vigorous activities, such as running, lifting heavy objects, participating in strenuous sports	1, Yes, limited a lot 2, Yes, limited a little 3, No, not limited at all	Basic
oa_omez_2	Moderate activities, such as moving a table, pushing a vacuum cleaner		Basic
oa_omez_3	Lifting or carrying bag of groceries		Basic
oa_omez_4	Climbing several floors up the stairs		Basic
oa_omez_5	Climbing one floor up the stairs		Basic

oa_omez_6	Bending, kneeling or stooping		Basic
oa_omez_7	Walking two kilometres		Basic
oa_omez_8	Walking one kilometre		Basic
oa_omez_9	Walking one hundred meters		Basic
oa_omez_10	Bathing and dressing yourself		Basic
	Do you need help with following activities?		
oa_pomoc_1	Food preparation	1, Yes 0, No	Basic
oa_pomoc_2	Shopping		Basic
oa_pomoc_3	Transport		Basic
oa_pomoc_4	Making calls, keeping your home		Basic
oa_pomoc_5	Laundry service		Basic
oa_pomoc_6	Managing finances		Basic
oa_pomoc_7	Taking medicine		Basic
oa_pomoc_skore	Total score	Calculation	Advanced

4. Medication

This section covers questions regarding using medicines.

274 complete case reports are available of which 31 do not take any medication.

Variable name	Question	Values	Type of data
med_pravidel	Are you taking any medications?	1, No 2, Yes	Basic
med_pravidel_nazev_1	Name of drug	text	Basic
med_pravidel_davkovani_1	Dosage	text	Basic
med_pravidel_indikace_1	Indication	text	Basic
med_dalsi	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_2	Name of drug	text	Basic
med_pravidel_davkovani_2	Dosage	text	Basic
med_pravidel_indikace_2	Indication	Text	Basic
med_dalsi_2	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_3	Name of drug	text	Basic
med_pravidel_davkovani_3	Dosage	text	Basic
med_pravidel_indikace_3	Indication	text	Basic
med_dalsi_3	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_4	Name of drug	text	Basic
med_pravidel_davkovani_4	Dosage	text	Basic
med_pravidel_indikace_4	Indication	text	Basic
med_dalsi_4	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_5	Name of drug	text	Basic
med_pravidel_davkovani_5	Dosage	text	Basic
med_pravidel_indikace_5	Indication	text	Basic

med_dalsi_5	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_6	Name of drug	text	Basic
med_pravidel_davkovani_6	Dosage	text	Basic
med_pravidel_indikace_6	Indication	text	Basic
med_dalsi_6	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_7	Name of drug	text	Basic
med_pravidel_davkovani_7	Dosage	text	Basic
med_pravidel_indikace_7	Indication	text	Basic
med_dalsi_7	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_8	Name of drug	text	Basic
med_pravidel_davkovani_8	Dosage	text	Basic
med_pravidel_indikace_8	Indication	text	Basic
med_dalsi_8	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_9	Name of drug	text	Basic
med_pravidel_davkovani_9	Dosage	text	Basic
med_pravidel_indikace_9	Indication	text	Basic
med_dalsi_9	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_10	Name of drug	text	Basic
med_pravidel_davkovani_10	Dosage	text	Basic
med_pravidel_indikace_10	Indication	text	Basic
med_dalsi_10	Add another medication?	1, No 2, Yes	Basic
med_pravidel_nazev_11	Name of drug	text	Basic
med_pravidel_davkovani_11	Dosage	text	Basic
med_pravidel_indikace_11	Indication	text	Basic
med_dalsi_11	Add another medication?	1, No 2, Yes	Basic
med_dalsi_box	What other drugs do you take?	text (notes)	Basic

med_edmonton_1	Do you take five or more medicines regularly?	1, No 2, Yes	Basic
med_edmonton_2	Do you forget to take your prescription medications sometimes?	1, No 2, Yes	Basic
med_hypolipid	Hypolipidemics (fat reducing drugs):	1, None 2, Fibrates 3, HMG-CoA reductase inhibitors (statins) 4, Resins 5, Nicotinic acid 6, Other (Ezetimib) 7, Unclear	Basic
med_antithromb	Antithrombotics, anticoagulants:	1, None 2, Acetylsalicylic acid (Godasal, Anopyrin, Aspirin) 3, Ticlopidin (Ipaton, Tagren) 4, Clopidogrel (Trombex, Clorogen) 5, Rivaroxaban (Xarelto) 6, Warfarin, Lawarin 7, Dabigatran (Pradaxa) 8, Low molecular weight heparins (Clexane, Fraciparine, Fragmin, Zibor) 9, Indobufen (Ibustrin) 10, Other 11, Unclear	Basic
med_diuretika	Diuretics:	1, None 2, Loop diuretics 3, Thiazide 4, Potassium-sparing 5, Other 6, Unclear	Basic
med_betab_vasodil	Alpha- or beta-blockers, calcium channel blockers, other vasodilators:	1, None 2, Beta- blockers 3, Alpha- blockers 4, Calcium-channel blockers 5, Angiotensin converting enzyme inhibitors 6, Sartans 7, Renin inhibitors (aliskiren)	Basic

		8, Imidazol central inhibitors 9, Unclear	
med_betablok	Using beta-adrenergic blockers since	text (date_dmy)	Basic
med_alfablok	Using alpha-adrenergic blockers since	text (date_dmy)	Basic
med_blok_kalci_kanal	Using calcium-channel blockers since	text (date_dmy)	Basic
med_inhibitory	Using angiotensin converting enzyme inhibitors since	text (date_dmy)	Basic
med_sartany	Using sartans since	text (date_dmy)	Basic
med_inhinitory_reninu	Using renin inhibitors (aliskiren) since	text (date_dmy)	Basic
med_central_inhibit	Using imidazoline central inhibitors since	text (date_dmy)	Basic
medikace_jine	Do you take any other medicines?	1, No 2, Yes	Basic
med_jine	If yes, please choose:	1, Insulin 2, Per oral antidiabetic drugs 3, Nitroglycerin products 4, Thyroid gland hormones 5, Corticoids 6, Xanthine oxidase inhibitors (Milurit) 7, Immunosuppressants 8, Other 9, Unclear	Basic
med_jine_spec	Please specify other	text,	Basic
med_doplňky	Do you take any food supplements, vitamins or mineral supplements (such as calcium, zinc or magnesium)?	1, Yes, regularly (at least 3 times per week) 2, Yes, irregularly (less than 3 times per week) 3, No	Basic
med_doplňky_preparaty	If yes, what do they include?	1, Vitamin C, E, A, carotene 2, Vitamin D 3, Omega-3-acids 4, Antioxidants 5, Calcium 6, Iodine 7, Other 8, Unclear	Basic
med_doplňky_preparaty_spec	Please specify other	text	Basic

5. Medication ATC

Individual used medicines are classified into ATC groups according to SÚKL: http://www.sukl.cz/modules/medication/atc_tree.php?current=V243 complete case reports are available.

Variable name	Question	Values	Type of data
medname	Name of the medicines in ATC group	sql (autocomplete)	Basic

6. Questions for women

178 complete case reports are available (only women). The methodology was based on HAPIEE study.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc, HAPIEE study

Variable name	Question	Values	Type of data
oz_menstruace	How old were you when the period started?	text	Basic
oz_menstruace_3	How old were you when the period stopped?	text (number, Min: 10, Max: 150)	Basic
oz_menstruace_4	What was the cause of the menopause?	1, Natural menopause 2, Gynaecological operation	Basic
oz_antikoncepce	Have you ever used hormonal contraception?	1, No, never 2, Yes, but I do not use it any longer 3, Yes and I still use it	Basic
oz_hormon	Have you ever had hormonal replacement therapy? (medication used for alleviation of climacteric symptoms)	1, No 2, Yes	Basic
oz_hormon_2	If yes, are you still taking hormonal replacement therapy?	1, No 2, Yes	Basic
oz_tehotenstvi	How many times were you pregnant?	text (number, Min: 0, Max: 100)	Basic
oz_tehotenstvi_2	How many children did you have?	text (number, Min: 0, Max: 100)	Basic

7. Depression and anxiety

This section includes CES-D (short form) and GAD scale (short form) questionnaires. 274 complete case reports are available.

The CES-D questionnaire is from HAPIEE study from Center for Epidemiologic studies Depression scale. This questionnaire was used for ranking a depression. The GAD scale questionnaire is taken over from Generalized anxiety disorder scale short form GAD-2 and it was used for rating an anxiety.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc HAPIEE study, <https://www.sciencedirect.com/science/article/abs/pii/S1064748113001164>

Variable name	Question	Values	Type of data
	During last week:		
dep_2_1	I felt depressed	1, Less than one day	Basic
dep_2_2	I felt that everything I did was an effort	2, 1-2 days	
dep_2_3	My sleep was restless	3, 3-4 days	
dep_2_4	I was happy	4, 5-7 days	
dep_2_5	I felt lonely		
dep_2_6	People were unfriendly		
dep_2_7	I enjoyed life		
dep_2_8	I felt sad		
dep_2_9	I felt people dislike me		
dep_2_10	I could not get going (I felt that it was difficult to start any activity.)		
dep_score	Total score	Calculation	Advanced
dep_3_1	Over the last 2 weeks I was feeling nervous, anxious, or on edge	1, Not at all 2, Several days 3, Over half the days 4, Nearly every day	Basic
dep_3_2	Over the last 2 weeks I was not being able to stop or control worrying	1, Not at all 2, Several days 3, Over half the days 4, Nearly every day	Basic
dep_gad_score	Total score	Calculation	Advanced

8. Sleep

Czech version of the Pittsburgh Sleep Quality Index – PSQI was used for this section. The Pittsburgh Sleep Quality Index (PSQI) is an effective instrument used to measure the quality and patterns of sleep in the older adult. It differentiates “poor” from “good” sleep by measuring seven domains. 274 complete case reports are available.

References: *Buyse DJ, Reynolds CF, Monk TH, Berman SR, Kupfer DJ: Psychiatry Research, 28:193-213, 1989*

Variable name	Question	Values	Type of data
	During the last month:		
pscii_1	When have you usually gone to bed?	text (time)	Basic
pscii_15	When have you gone to bed in the bed last night?	text (time)	Basic
pscii_2	How long (in minutes) has it usually take you to fall asleep each night?	text (number)	Basic
pscii_3	When have you usually gotten up in the morning?	text (time)	Basic
pscii_16	What time did you wake up yesterday?	text (time)	Basic
pscii_4	How many hours of actual sleep did you get at night? (This may be different than the number of hours you spend in bed.)	text (number, Min: 0, Max: 100)	Basic
psci_extra	Do you sleep during the day?	1, No 2, Yes	Basic
psci_extra_2	If yes, how much sleep you have during the day on average? (minutes)	Text (number)	Basic
	During the last month, how often have you had trouble sleeping because you...		
pscii_5	Cannot get to sleep within 30 minutes	1, Not during the last month	Basic
pscii_6	Wake up in the middle of the night or early morning	2, Less than once a week	Basic
pscii_7	Have to get up to use the bathroom	3, Once or twice a week	Basic
pscii_8	Cannot breathe comfortably	4, Three or more times a week	Basic
pscii_9	Cough or snore loudly		Basic
pscii_10	Feel too cold		Basic
pscii_11	Feel too hot		Basic
pscii_12	Had bad dreams		Basic
pscii_13	Have pain		Basic

pscii_14	Other reason	1, No 2, Yes	Basic
pscii_14_spec	Please, specify other	text	Basic
pscii_14_frekvence	How often you had trouble sleeping because of this other reason?	1, Not during the past month 2, Less than once a week 3, Once or twice a week 4, Three or more times a week	Basic
pscii_18	During the last month, how would you rate your sleep quality overall?	1, Very good 2, Fairly good 3, Fairly bad 4, Very bad	Basic
pscii_19	During the last month, how often have you taken medicine (prescribed or over the counter") to help you sleep?	1, Not during the past month 2, Less than once a week 3, Once or twice a week 4, Three or more times a week	Basic
pscii_20	During the last month, how often have you had trouble staying awake while driving, eating meals, or engaging in social activity	1, Not during the past month 2, Less than once a week 3, Once or twice a week 4, Three or more times a week	Basic
pscii_21	During the last month, how much of a problem has it been for you to keep up enough enthusiasm to get things done?	1, No problem at all 2, Only a slight problem 3, Somewhat of a problem 4, A very big problem	Basic
psqi_global	Global PSQI Score	calculation	Advanced

9. IPAQ short form

The questionnaire maps physical activity and sessions in the last 7 days in these ascertained physical activities:

1/ Vigorous physical activity are activities which are characterized by severe physical exertion and breathing (significantly faster and heavier breathing than normal). Only activities longer than 10 minutes are listed in the questionnaire.

2/ Moderate physical activity is characterized by physical exertion in which you breathe a little more than normal.

3/ Walking – this category also includes walking at work and at home, traveling (walking) by walking from place to place, but also other walking, performed exclusively for recreation, sport, exercise or leisure.

4/ Sitting – this category includes time spent sitting at work, at home, doing homework, and during leisure. It is also the time spent sitting at the table, visiting friends, reading, or sitting or lying down while watching TV.

274 complete case reports are available.

References: 4 Pate RR, Pratt M, Blair SN, Haskell WL, Macera CA, Bouchard C et al. Physical activity and public health. A recommendation from the Centres for Disease Control and Prevention and the American College of Sports Medicine. Journal of American

Variable name	Question	Values	Type of data
ipaq_1	During the last 7 days, on how many days did you do vigorous physical activities like heavy lifting, digging, aerobics, or fast bicycling?	text (number, Min: 0, Max: 30)	Basic
ipaq_2	How much time did you usually spend doing vigorous physical activities on one of those days? (hours per day)	text (number, Min: 0, Max: 24)	Basic
ipaq_2_1	How much time did you usually spend doing vigorous physical activities on one of those days? (minutes per day)	text (number, Min: 0, Max: 60)	Basic
ipaq_3	During the last 7 days, on how many days did you do moderate physical activities like carrying light loads, bicycling at a regular pace, or doubles tennis? Do not include walking.	text (number, Min: 0, Max: 30)	Basic
ipaq_4	How much time did you usually spend doing moderate physical activities on one of those days? (hours per day)	text (number, Min: 0, Max: 24)	Basic

ipaq_4_1	How much time did you usually spend doing moderate physical activities on one of those days? (minutes per day)	text (number, Min: 0, Max: 60)	Basic
ipaq_5	During the last 7 days, on how many days did you walk for at least 10 minutes at a time?	text (number, Min: 0, Max: 30)	Basic
ipaq_6	How much time did you usually spend walking on one of those days? (hours per day)	text (number, Min: 0, Max: 24)	Basic
ipaq_6_1	How much time did you usually spend walking on one of those days? (minutes per day)	text (number, Min: 0, Max: 60)	Basic
ipaq_7	During the last 7 days, how much time did you spend sitting on a week day? (hours per day)	text (number, Min: 0, Max: 24)	Basic
ipaq_7_1	During the last 7 days, how much time did you spend sitting on a week day? (minutes per day)	text (number, Min: 0, Max: 60)	Basic
ipaq_total	Total Physical Activity Score	Calculation	Advanced
ipaq_cat	<u>IPAQ category of Physical Activity:</u> 1 – Low Physical Activity 2 – Moderate Physical Activity 3 – High Physical Activity 0 – Missing value	Calculation	Advanced
ipaq_cat_2	<u>IPAQ TRUNCATED category of Physical Activity:</u> 1 – Low Physical Activity - truncated 2 – Moderate Physical Activity - truncated 3 – High Physical Activity – truncated 0 – Missing value	Calculation	Advanced
zs_cinnost_let0	How many hours during a typical week in summer, except when at work, do you engage in physically demanding activities, such as housework, gardening, and maintenance of the house (DIY) etc?	text (number, Min: 0, Max: 99)	Basic
zs_cinnost_zima	How many hours during a typical week in winter, except when at work, do you engage in physically demanding activities, such as housework, gardening, and maintenance of the house (DIY) etc?	text (number, Min: 0, Max: 99)	Basic
zs_cinnost_2_let0	How many hours during a typical week in summer do you engage in sports, games or hiking?	text (number, Min: 0, Max: 99)	Basic

zs_cinnost_2_zima	. How many hours during a typical week in winter do you engage in sports, games or hiking?	text (number, Min: 0, Max: 99)	Basic
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10. Family history

This section covers questions about family members of the participant.

274 complete case reports are available.

Variable name	Question	Values	Type of data
	Did any of your parents or siblings suffer from any of the following diseases?		
ra_sch	Heart attacks	1, No 2, Yes 3, Do not know	Basic
ra_sch_2	Did any heart attack occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic
ra_mm	Stroke	1, No 2, Yes 3, Do not know	Basic
ra_mm_2	Did any stroke occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic
ra_cukrovka	Diabetes	1, No 2, Yes 3, Do not know	Basic
ra_cukrovka_2	Did any diabetes occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic
ra_nador	Cancer	1, No 2, Yes 3, Do not know	Basic
ra_nador_2	Did any cancer occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic
ra_vt	Hypertension	1, No 2, Yes 3, Do not know	Basic

ra_vt_2	Did any hypertension occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic
ra_alergie	Allergy	1, No 2, Yes 3, Do not know	Basic
ra_alergie_2	Did any allergy occur before the age of 60?	1, No 2, Yes 3, Do not know	Basic

11. Health – teeth, sight, hearing

274 complete case reports are available. The methodology was based on HAPIEE study.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc HAPIEE study

Variable name	Question	Values	Type of data
zs_dentaln	Over the past 12 months, would you say your dental health (mouth, teeth and/or dentures) has been:	1, Very good 2, Good 3, Average 4, Poor 5, Very poor	Basic
zs_zrak_3	Do you usually wear glasses or contact lenses?	1, Yes, reading only 2, Yes, distance only 3, Yes, reading and distance 4, No	Basic
zs_zrak	How good is your eyesight for seeing things at a distance, like recognizing a friend across the street (with glasses or contact lens if usually worn)? Would you say it is:	1, Very good 2, Good 3, Average 4, Poor 5, Very poor 6, Blind 7, Do not know 8, Refuse to answer	Basic
zs_zrak_2	How good is your eyesight for seeing things up close, like reading ordinary newspaper print (with glasses or contact lens if usually worn)? Would you say it is:	1, Very good 2, Good 3, Average 4, Poor 5, Very poor 6, Blind 7, Do not know 8, Refuse to answer	Basic

zs_sluch	How good is your hearing? Is your hearing (with a hearing aid if usually worn):	1, Very good 2, Good 3, Average 4, Poor 5, Very poor 6, Blind 7, Do not know 8, Refuse to answer	Basic
zs_sluch_2	Do you find it difficult to follow a conversation if there is background noise, such as TV, radio or children playing (with a hearing aid if usually worn)?	1, Yes, a lot 2, Yes, a little 3, No, not at all	Basic

12. Smoking and alcohol

This section includes one question from Fagerström tolerance questionnaire (FTQ), questions from Kardiovize Baseline study and questions from HAPIEE study. For social feedback for alcohol consumption were used questions from HAPPIE study. [274](#) complete case reports are available.

References: HAPIEE: Prof. Mgr. Hynek Pikhart, Ph.D., M. Sc; FTQ: Payne, T. J., Smith, P. O., McCracken, L. M., McSherry, W. C., & Antony, M. M. (1994). Assessing nicotine dependence: A comparison of the Fagerström Tolerance Questionnaire (FTQ) with the Fagerström Test for Nicotine Dependence (FTND) in a clinical sample. Addictive behaviours, 19(3), 307-317.

Variable name	Question	Values	Type of data
k_s_1	Do you smoke regular cigarettes (not including e-cigarettes)?	1, Yes, regularly, at least one cigarette a day on average 2, Yes, occasionally, less than one cigarette a day 3, No, I smoked in the past but I stopped 4, No, I have never smoked	Basic
k_s_3	How old were you when you started smoking?	text (integer, Min: 1, Max: 99)	Basic
k_s_4	How old were you when you stopped smoking?	text (integer, Min: 1, Max: 99)	Basic
k_ecigareta	Do you smoke e-cigarettes?	1, Yes, regularly, at least one cigarette a day on average 2, Yes, occasionally, less than one cigarette a day 3, No, I smoked in the past but I stopped 4, No, I have never smoked	Basic
k_ft_1	How soon after waking up do you have first cigarette?	1, Less than 5 minutes 2, 6-30 minutes 3, 31-60 minutes 4, After 60 minutes	Basic
k_zanechani_1	Have you ever made a serious attempt to stop smoking that had lasted at least one day (24 hours)?	1, No 2, Yes	Basic
k_zanechani_2	How many times	text (integer, Min: 1, Max: 99)	Basic
k_zanechani_3	How many quit attempts lasted longer than 5 days?	text (integer, Min: 0, Max: 99),	Basic
k_otv_1	Have you ever used nicotine replacement therapy (patch, gum, spray and others)?	1, No 2, Yes	Basic
k_otv_2	Do you currently use nicotine replacement therapy?	1, No 2, Yes	Basic
k_otv_spec	If yes, please specify	text	Basic

k_pasiv	During the last month, were you exposed to cigarette smoke (from others) at:	1, Nowhere 2, Home 3, Workplace 4, Restaurant 5, Other	Basic
	How often were you exposed at:		
k_pasiv_doma	Home	1, 1-3 times per month 2, Once per week	Basic
k_pasiv_prac	Workplace	3, 2-4 times per week 4, 5-6 times per week	Basic
k_pasiv_restaur	Restaurant	5, Once per day 6, 2-3 times per day	Basic
k_pasiv_ostatni	Other	7, 4-5 times per day 8, 6 times per day	Basic
alk_1	How much beer do you usually drink during a week? Please specify the number of 0.5l glasses of beer.	text (number, Min: 0, Max: 999)	Basic
alk_2	How much wine do you usually drink during a week? Please specify the number of 2dcl glasses of wine.	text (number, Min: 0, Max: 999)	Basic
alk_3	How much spirits do you usually drink during a week? Please specify the number of 4cl glasses of spirits.	text (number, Min: 0, Max: 999)	Basic
alk_4	How often did you drink alcohol during the last 12 months?	1, Every day or almost every day 2, About 2-4 times per week 3, About once a week 4, About 1-3 times a month 5, Less than once a month 6, Never in the past year	Basic
alk_5	Were you used to drink alcohol more frequently than in the last 12 months?	1, No 2, Yes	Basic
alk_5_1	If yes, in which year did you reduce alcohol consumption? (at what age)	text (integer, Min: 1, Max: 99),	Basic
alk_5_2	What was the reason to reduce alcohol consumption?	1, Health reasons 2, Other reasons	Basic
alk_6	If you have never drank alcohol, what was a reason?	1, Health reasons 2, Other reasons	Basic

alk_7	In the last 12 months, have you ever felt you should cut down on your drinking?	1, No 2, Yes	Basic
alk_8	In the last 12 months, have people ever annoyed you by criticizing your drinking?	1, No 2, Yes	Basic
alk_9	In the last 12 months have you ever felt bad or guilty about your drinking?	1, No 2, Yes	Basic
alk_10	In the last 12 months have you ever had a drink first thing in the morning to steady your nerves or to get rid of a hangover?	1, No 2, Yes	Basic

13. Social life and environment

This section covers questions about the participant's social life and environment. The questionnaire was created with regard to the Czech lifestyle.

274 complete case reports are available.

Variable name	Question	Values	Type of data
dep_4	Are you a member of a club or an organization (sports clubs, churches, political parties, cultural associations etc.)	1, No 2, Yes	Basic
dep_4_1	If yes, how often do you take part in common activities?	1, Several times a week 2, About once a week 3, About once a month 4, Several times a year 5, Never or almost never	Basic
dep_10	Are you participating in educational activities (Third age University, seminars, workshops)?	1, No 2, Yes	Basic
dep_5	When you need help, can you count on someone who is willing and able to meet your needs?	1, Always 2, Sometimes 3, Never	Basic
dep_6	Who do you trust in and rely on when you are faced with difficult situations?	4, Friends 5, Family and relatives 6, Employer 7, State 8, Private/Commercial companies 9, Public organizations and trade unions 10, Charities, church 11, Doctor or another medical worker 12, Yourself 13, No-one 14, Other	Basic
dep_6_1	Please, specify other	text	Basic
dep_7	How often are you in contact with your relatives who do not live in your household?	1, Several times a week 2, About once a week 3, Several times a month 4, About once a month 5, Less than once a month	Basic

		6, I do not have relatives / no relatives outside my household	
dep_8	How often are you in contact with friends?	1, Several times a week 2, About once a week 3, Several times a month 4, About once a month 5, Less than once a month 6, I do not have friends	Basic
dep_9	In what kind of household do you live?	1, I live alone 2, I live with other people – flatmate/spouse/partner 3, I live at my daughter's/son's 4, I live in retirement home 5, Other	Basic
dep_9_1	Is your household in multigenerational coexistence (separate households)	1, No 2, Yes	Basic
zu_zvire	Do you have any pet /animal at home?	1, None 2, Dog 3, Cat 4, Other	Basic
su_zvire_1	Please, specify other	text	Basic
zu_pes	In a typical week for how many days do you go out for a walk with your dog (for at least 10 min walk)	text (integer, Min: 0, Max: 99)	Basic

14. Socioeconomic status

This part is combine from multiple questionnaires. The first questionnaire deals with the care of other people, in the second questionnaire we are asking about household equipment. Third part referring about current economic situation of the participants and the last part is about perception of age.

274 complete case reports are available.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc HAPIEE study, EHIS - <https://ec.europa.eu/eurostat/web/microdata/european-health-interview-survey>

Variable name	Question	Values	Type of data
se_20	Do you provide care or assistance to one or more persons suffering from some age problem, chronic health condition or infirmity, at least once a week?	1, No 2, Yes	Basic
se_21	Is this person or are these people	1, Members of your family 2, Someone else (not members of your family)	Basic
se_37	How often? (number of times in a typical week)	text	Basic
se_22	How many rooms does your house/flat have (excluding kitchen and bathrooms)?	text (integer, Min: 1, Max: 50)	Basic
se_23	How many adults (18 years or older) live in your house/flat?	text (integer, Min: 1, Max: 50)	Basic
se_24	How many children (under 18 years old) live in your house/flat?	text (integer, Min: 0, Max: 50)	Basic
	Which of the following do you have in your household?		
se_25	Washing machine	1, Yes	Basic
se_26	Dishwasher	2, No, I cannot afford it	Basic
se_27	Car	3, No, I do not want it	Basic
se_28	Cottage (for holidays / weekends etc.)		Basic
se_29	Paid TV channels		Basic
se_31	Cell phone/phone		Basic
se_30	Cell phone with internet		Basic
se_31_1	Computer with internet		Basic
se_32	How often in the last 5 years have you had holidays abroad?	text (integer, Min: 0, Max: 99)	Basic
se_33	How often in the last 5 years have you travelled by airplane (except for work travels)?	text (integer, Min: 0, Max: 99)	Basic

se_34_0	What is your total monthly income	text (integer, Min: 0, Max: 999999)	Basic
se_34	What is total household monthly income (after taxation)?	1, Less than 11 500 2, 11 500 - 15 000 3, 30 000 – 45 000 4, 45 000 – 60 000 5, 60 000 - 75 000 6, 75 000 – 90 000 7, More than 90 000 8, Refuse to answer	Basic
se_41	What is / was your position at your main job (the job you have been doing for most of your life)?	1, Higher managerial post or director 2, Manager/supervisor/foreman, more than 25 subordinates 3, Manager/supervisor/foreman, 5-25 subordinates 4, Manager/supervisor/foreman, less than 5 subordinates 5, Employee, without subordinates 6, Self-employed (25+ employees) 7, Self-employed (1-24 employees) 8, Self-employed (no employees)	Basic
se_36	What was your main life-time occupation?	text	Basic
se_42	Which of these is the best describe for your work in your main job?	1, Less physically demanding work: You spend most of your time sitting (such as in an office) 2, More physically demanding work: You spend most of your time standing or walking. However, the way you spend your time does not require intense physical effort (e.g. shop assistant, hairdresser, security guard etc.). 3, Physical work: This involves some physical effort including handling of heavy objects and use of tools (e.g. plumber, cleaner, nurse, sports instructor, electrician, carpenter etc.) 4, Manual: This involves very vigorous physical activity including handling of very heavy objects (e.g. docker, miner, bricklayer, construction worker etc.)	Basic
se_38	Are you still economically active (do you still work)?	1, No 2, Yes	Basic

se_39	If yes, what is your current occupation?	text	Basic
se_40	How many hours do you spend at work in a typical week?	text (integer, Min: 1, Max: 99)	Basic
se_43	Have you ever worked at night?	1, No 2, Yes	Basic
se_62	If yes, what kind of work it was?	1, Daily work with occasional night shifts 2, Night shifts (at least 4 hours of working time, work between 22:00 and 6:00 in the morning) 3, Work on shifts (two, three shifts, morning/afternoon/night or day/night shift)?	Basic
se_44	For how many years did you work like that?	text (integer)	Basic
se_45	What is/was size of the company you work at?	1, I work alone 2, 1-5 other people 3, 6-24 other people 4, 25-49 other people 5, 50-499 other people 6, 500+ other people	Basic
se_46	Have you ever been unemployed?	1, No 2, Yes, for less than 3 months 3, Yes, for 3 months to 1 year 4, Yes, for more than 1 year	Basic
se_47	If you have no work and not retired, are you looking for a job?	1, Yes 2, No, I do not believe I'd find a job 3, No, I do not want to work 4, No, I am too ill to work 5, No, other reason	Basic
se_47_1	Please, specify other	text (notes)	Basic
se_48	How would you rate the current financial situation of your household?	1, Managed very well 2, Managed quite well 3, Making ends meet 4, Sometimes having financial difficulties 5, Do not managed very well 6, Having serious financial difficulties	Basic
se_50	We would also like you to tell us at what age you consider middle age to end?	text (integer, Min: 1, Max: 199)	Basic
se_49	Please could you tell us at what age you consider old age to start?	text (integer, Min: 1, Max: 199)	Basic

se_51

Taking all things together, would you say you are

- 1, Very happy
- 2, Quite happy
- 3, Not very happy
- 4, Unhappy

Basic

15. Nutrition

This part of the questionnaire consists of the two parts: Dietary assessment and Dietary intake (Food frequency questionnaire).

274 complete cases reports are available.

Reference: Food Frequency Questionnaire; Recetox, Mgr. Bc. Tomáš Průša

Reference: Rest of the questionnaire is based on the Baseline Nutrition questionnaire

Variable name	Question	Values	Type of data
na_pocet_jidel	How many meals do you usually have in one day?	1, 1 2, 2 3, 3 4, 4 5, 5 6, 6 and more	Basic
na_prvni_jidlo	At what time do you usually have your first meal of the day?	text (time)	Basic
na_posledn_jidlo	At what time do you usually have your last meal of the day?	text (time)	Basic
na_dieta	Are you on a diet?	1, No 2, Yes, I was instructed by a doctor 3, Yes, I decided to follow the diet by myself	Basic
na_dieta_1	How do you follow this diet?	1, Fully 2, Partially (I follow only some features of this diet) 3, Sometimes (not all the time, only some days/ some time periods) 4, I do not	Basic
na_dieta_druh	What kind of diet do you follow?	1, Healthy diet 2, Diet for stomach and liver disease 3, Low cholesterol for dyslipidaemia 4, Slimming 5, Diabetic 6, Gluten-free 7, Lactose intolerance 8, Casein (=milk protein) intolerance 9, Diet for atopic eczema 10, Other food allergy	Basic

		11, Warfarin 12, Increased level of urine acid 13, Vegetarian (vegan) 14, Diet related to a religion or an alternative way of life 15, Other	
na_dieta_druh_spec	Please, specify other	text	Basic
na_zdr_vyziva	Do you think you eat healthy?	1, Yes 2, Partially 3, Sometimes 4, No 5, Do not know	Basic
na_dieta_omez	Do you limit yourself in eating?	1, No 2, Yes	Basic
na_dieta_druh_omez	If yes, what do you limit in your diet	1, Animal protein (milk) 2, Fat, fatty foods 3, Sugar, honey, sweets 4, Carbohydrates (white flour, pastry) 5, Carbohydrates (side dish) 6, Salt, salty food and meal 7, Processed good: sausages, sweets, canned food 8, Alcohol 9, Sugary drinks	Basic
na_zarazeni	Do you include something to your diet?	1, No 2, Yes	Basic
na_dieta_druh_zaraz	If yes, what is it?	1, More fruits and vegetables, smoothie, juice, dried fruit 2, Whole meal products, pastry, cereals, porridge 3, Nuts, legumes, seeds 4, Plant based milk, plant alternatives to dairy products 5, Healthy sweets 6, Green food: Aloe vera, barley	Basic
na_chut	Do you have a good appetite?	1, Normal 2, Increased (eat more than usual) 3, Reduced (eat less than usual) 4, Anorexia (no appetite at all)	Basic
na_chut_1	For how long have you suffered from this change of appetite?	1, Acute 2, Last 3 months	Basic

		3, Chronic (more than 3 months)	
na_zizen	Do you feel that your thirst is diminishing?	1, No 2, Yes	Basic
na_tekutiny_prijem	What is usually your daily fluid intake? Amount in ml. in 24 hours.	Text (number)	Basic
na_prijem_teutin	Total daily fluid intake reported in 24-hour Recall? (will be fill in according to 24-hour Recall)	Text (number)	Basic
na_potize	Do you suffer from some health problems or a disease that affect your food intake?	1, No 2, Yes	Basic
na_potize_1	If yes, for how long have you had these health problems?	1, Acute 2, Last 3 months 3, Chronic (more than 3 months)	Basic
na_potize_3	What is the character of/reason for these problems?	1, Oral cavity status (cancer, aphtha) 2, Chewing difficulties (dental condition, dental replacement) 3, Swallowing difficulties 4, Digestion difficulties (dyspepsia, chronic diseases) 5, Difficulties emptying the bowel (diarrhoea, constipation) 6, Pain affecting food intake for a short time (e.g. Teeth pain) 7, Pain affecting food intake in long-term (chronic pain) 8, Due to medications use 9, Due to a mental condition (e.g. Depression, stress) 10, Due to oncological illness and/or treatment 11, Other	Basic
na_potize_4	Please, specify other	text	Basic
na_hmotnost	Has your body weight changed in the last year?	1, No = stable 2, Weight fluctuations = lost weight, gained weight and return to the original weight 3, Yes, weight gain 4, Yes, weight loss	Basic
na_hmotnost_1	What is your weight gain in kg	text (number)	Basic
na_hmotnost_2	What is your weight loss in kg	text (number)	Basic
na_hmotnost_3	Is this weight loss a result of intended weight reduction?	1, No 2, Yes	Basic

na_hm_aktual	How do you feel about your current body weight?	1, Normal 2, Increased (compared to recommendations) 3, Reduced (compared to recommendations)	Basic
na_hm_aktual_1	What do you think about your actual weight?	1, I know my weight is not optimal it bothers me 2, I know my weight is not optimal but I do not mind	Basic
	How often do you eat:		
na_recetox_1	White bread	1, 5 and more times per day	Basic
na_recetox_2	White rolls and other white baked goods.	2, 3-4 times per day 3, 1-2 times per day	Basic
na_recetox_3	Dark bread and rolls.	4, 5-6 time per week	Basic
na_recetox_4	Rolled oats, semolina, wheat millet, muesli, cornflakes, porridge	5, 2-4 times per week 6, Once a week	Basic
na_recetox_5	Pies	7, 1-3 times per month 8, Less than once a month	Basic
na_recetox_6	Cakes and other desserts	9, Never	Basic
na_recetox_7	Salted bakery products		Basic
na_recetox_8	Butter		Basic
na_recetox_9	Margarine		Basic
na_recetox_10	Lard		Basic
na_recetox_11	Cottage cheese		Basic
na_recetox_12	Cream spread, cream cheese, "Lučina"		Basic
na_recetox_13	Processed cheese		Basic
na_recetox_14	Pâté		Basic
na_recetox_15	Honey		Basic
na_recetox_16	Jam, marmalade		Basic
na_recetox_17	Chocolate spread		Basic
na_recetox_77	Cow's milk		Basic
na_recetox_78	Plant milk		Basic
na_recetox_79	Dairy products - yoghurt based (do not include cheese and cream dairy products)		Basic
na_recetox_18	Cheese with a fat content of up to 30%		Basic
na_recetox_19	Cheese with a fat content more than 30%		Basic
na_recetox_20	Blue cheese and ripening cheese		Basic
na_recetox_21_1	Ham		Basic

na_recetox_21	Soft salami (e.g. ham salami, Gothaj salami, Debrecen Roast and other)	Basic
na_recetox_22	Hard salami (e.g. Vysočina, Herkules, Poličan, Paprikáš, Uherský salami, Lovecký salami and others)	Basic
na_recetox_23	Soft and hard sausages	Basic
na_recetox_24	Pig-slaughtering specialties	Basic
na_recetox_26	Poultry	Basic
na_recetox_27	Pork	Basic
na_recetox_28	Beef and veal	Basic
na_recetox_29	Offal	Basic
na_recetox_30	Other types of meat	Basic
na_recetox_31	Freshwater fish (fresh, frozen)	Basic
na_recetox_32	Sea fish and seafood (fresh, frozen)	Basic
na_recetox_33	Smoked, canned and marinated fish	Basic
na_recetox_34	Potatoes boiled or mashed	Basic
na_recetox_35	French fries	Basic
na_recetox_36	Pasta	Basic
na_recetox_37	Rice	Basic
na_recetox_38	Dumplings	Basic
na_recetox_39	Apples and pears	Basic
na_recetox_40	Plums	Basic
na_recetox_41	Peaches, nectarines and apricots	Basic
na_recetox_42	Grapes	Basic
na_recetox_43	Strawberries	Basic
na_recetox_44	Berries	Basic
na_recetox_45	Citrus fruits	Basic
na_recetox_46	Bananas	Basic
na_recetox_47	Pineapple	Basic
na_recetox_48	Kiwi	Basic
na_recetox_49	Tomatoes	Basic
na_recetox_50	Cucumbers	Basic

na_recetox_51	Melon		Basic
na_recetox_52	Peppers		Basic
na_recetox_53	Cabbage, kale, Brussels sprouts, broccoli, cauliflower, spinach		Basic
na_recetox_54	Green salads - lettuce, butter head, iceberg lettuce, wild rocket, etc.		Basic
na_recetox_55	Carrot		Basic
na_recetox_56	Legume without soybeans		Basic
na_recetox_57	Soybeans and soy-based foods		Basic
na_recetox_58	Mushrooms		Basic
na_recetox_59	Unsalted nuts and seeds		Basic
na_recetox_60	Salted roasted nuts		Basic
na_recetox_61	Sugar (adding sugar-based sweeteners to drinks e.g. coffee, tea)		Basic
na_recetox_62	Chocolate, chocolate bars		Basic
na_recetox_63	Ice cream, popsicle		Basic
na_recetox_64	Biscuits, wafers and gingerbread		Basic
na_recetox_65	Instant soup, noodles and pasta		Basic
na_recetox_66	Chips, sticks and pretzels		Basic
na_recetox_67	Water		Basic
na_recetox_68	Water with syrup		Basic
na_recetox_69	Soft drinks without cola drinks (not includes soft drinks with artificial		Basic
na_recetox_70	Cola drinks		Basic
na_recetox_71	Energy drinks		Basic
na_recetox_72	Juice, nectar, squash		Basic
na_recetox_73	Black and green tea		Basic
na_recetox_74	Fruit and herbal tea		Basic
na_recetox_75	Coffee		Basic
na_recetox_76	Decaffeinated coffee and coffee substitute		Basic
na_recetox_80	Do you regularly eat any other food?	1, No 2, Yes	Basic

na_recetox_81	Please specify the other food	text	Basic
na_dalsi_1	How often do you eat this food?	1, 5 and more times per day 2, 3-4 times per day 3, 1-2 times per day 4, 5-6 time per week 5, 2-4 times per week 6, Once a week 7, 1-3 times per month 8, Less than once a month 9, Never	Basic
na_recetox_82	Do you regularly eat any other food?	1, No 2, Yes	Basic
na_recetox_83	Please specify the other food	text	Basic
na_dalsi_2	How often do you eat this food?	1, 5 and more times per day 2, 3-4 times per day 3, 1-2 times per day 4, 5-6 time per week 5, 2-4 times per week 6, Once a week 7, 1-3 times per month 8, Less than once a month 9, Never	Basic
na_recetox_84	Do you regularly eat any other food?	1, No 2, Yes	Basic
na_recetox_85	Please specify the other food	text	Basic
oa_dalsi_3	How often do you eat this food?	1, 5 and more times per day 2, 3-4 times per day 3, 1-2 times per day 4, 5-6 time per week 5, 2-4 times per week 6, Once a week 7, 1-3 times per month 8, Less than once a month 9, Never	Basic
na_24_rec	Has your previous day food intake been influenced by today's visit to Kardiovize?	1, No 2, Yes	Basic

na_24_rec_1	If yes, please specify how	Text	Basic
na_3d_recal_2	Has the 24-hour recall been made?	1, No 2, Yes 3, Yes, the record is not adequately filled in	Basic
na_3d_recal	Did a proband filled with a 3-day diet record?	1, No 2, Yes 3, Yes, the record is not adequately filled in	Basic

16. Cogstate

The CogState “Brief Battery” was used for this questionnaire. 222 complete cases reports are available.

References: <https://www.cogstate.com/>

Variable name	Question	Values	Type of data
cog_hand	Dominant hand	1, Right 2, Left	Basic
cog_date	Date of test	text (date, dmy)	Basic
cog_time	Time of test	text (time)	Basic
cog_lmn_idn	Speed of performance; mean of the log10 transformed reaction times for correct responses (Identification Task)	text (number, Min: 2, Max: 5)	Basic
cog_lmn_det	Speed of performance; mean of the log10 transformed reaction times for correct responses (Detection Task)	text (number, Min: 2, Max: 5)	Basic
cog_lmn_onb	Speed of performance; mean of the log10 transformed reaction times for correct responses (One Back Memory)	text (number, Min: 2, Max: 5)	Basic
cog_acc_onb	Accuracy of performance; arcsine transformation of the proportion of correct responses (One Back Memory)	text (number, Min: 0, Max: 1.5708)	Basic
cog_acc_ocl	Accuracy of performance; arcsine transformation of the proportion of correct responses (One Card Learning)	text (number, Min: 0, Max: 1.5708)	Basic
cog_acc_idn	Accuracy of performance; arcsine transformation of the proportion of correct responses (Identification Task)	text (number; Min: 0, Max: 1.5708)	Advanced
cog_cor_idn	Number of correct responses (Identification Task)	text (number; Min: 0, Max: ∞)	Advanced
cog_err_idn	Number of errors (Identification Task)	text (number; Min: 0, Max: ∞)	Advanced
cog_sti_idn	Number of stimuli (Identification Task)	text (number; Min: 1, Max: ∞)	Advanced
cog_lsd_idn	Consistency of performance; standard deviation of the log ₁₀ transformed reaction times for correct responses (Identification Task)	text (number; Min: 0.01, Max: ∞)	Advanced
cog_acc_det	Accuracy of performance; arcsine transformation of the proportion of correct responses (Detection Task)	text (number, Min: 0, Max: 1.5708)	Advanced
cog_cor_det	Number of correct responses (Detection Task)	text (number; Min: 0, Max: ∞)	Advanced
cog_err_det	Number of errors (Detection Task)	text (number; Min: 0, Max: ∞)	Advanced
cog_sti_det	Number of stimuli (Detection Task)	text (number; Min: 1, Max: ∞)	Advanced

cog_lsd_det	Consistency of performance; standard deviation of the log ₁₀ transformed reaction times for correct responses (Detection Task)	text (number; Min: 0.01, Max: ∞)	Advanced
cog_lmn_ocl	Speed of performance; mean of the log ₁₀ transformed reaction times for correct responses (One Card Learning)	text (number, Min: 2, Max: 5)	Advanced
cog_cor_ocl	Number of correct responses (One Card Learning)	text (number; Min:0, Max: ∞)	Advanced
cog_err_ocl	Number of errors (One Card Learning)	text (number; Min: 0, Max: ∞)	Advanced
cog_sti_ocl	Number of stimuli (One Card Learning)	text (number; Min: 1, Max: ∞)	Advanced
cog_lsd_ocl	Consistency of performance; standard deviation of the log ₁₀ transformed reaction times for correct responses (One Card Learning)	text (number; Min: 0.01, Max: ∞)	Advanced
cog_cor_onb	Number of correct responses (One Back Memory)	text (number; Min:0, Max: ∞)	Advanced
cog_err_onb	Number of errors (One Back Memory)	text (number; Min: 0, Max: ∞)	Advanced
cog_sti_onb	Number of stimuli (One Back Memory)	text (number; Min: 1, Max: ∞)	Advanced
cog_lsd_onb	Consistency of performance; standard deviation of the log ₁₀ transformed reaction times for correct responses (One Back Memory)	text (number; Min: 0.01, Max: ∞)	Advanced
cog_notes	Notes	text (notes)	Basic

17. Montreal Cognitive Assessment

The Montreal Cognitive Assessment (MoCA) Test was validated in the setting of mild cognitive impairment (MCI), and has been subsequently adopted in numerous clinical settings. The sensitivity of the MoCA for detecting MCI is 90%, compared to 18% for other leading cognitive screening tools such as the MMSE.

240 complete cases reports are available.

References: <https://www.mocatest.org/>

Variable name	Question	Values	Type of data
mt_mereni	Has this test been performed?	1, No 2, Yes	Basic
	Spatial orientation / dexterity		
mt_trail	Connect points in right order	text (number)	Basic
mt_cube	Copy the cube from picture	text (number)	Basic
mt_clock_contour	Draw the clock and record 11 hours and 10 minutes: contours	text (number)	Basic
mt_clock_numbers	Draw the clock and record 11 hours and 10 minutes: numbers	text (number)	Basic
mt_clock_hands	Draw the clock and record 11 hours and 10 minutes: clock hands	text (number)	Basic
	Name the animal		
mt_animal_1	Lion	text (number)	Basic
mt_animal_2	Rhino	text (number)	Basic
mt_animal_3	Camel	text (number)	Basic
	Attention		
mt_att_fwd_rpt	Repeat the numbers: forward	text (number)	Basic
mt_att_bwd_rpt	Repeat the numbers: backward	text (number)	Basic
mt_att_list	Knock when you hear the A in the line of the letters.	text (number)	Basic
mt_att_substraction_1	Set of readings 7 from 100: first subtraction 93	text (number)	Basic
mt_att_substraction_2	Set of readings 7 from 100: second subtraction 86	text (number)	Basic
mt_att_substraction_3	Set of readings 7 from 100: third subtraction 79	text (number)	Basic
mt_att_substraction_4	Set of readings 7 from 100: fourth subtraction 72	text (number)	Basic
mt_att_substraction_5	Set of readings 7 from 100: fifth subtraction 65	text (number)	Basic

	Speech		
mt_lng_repeat_1	Repeat the first sentence.	text (number)	Basic
mt_lng_repeat_2	Repeat the second sentence.	text (number)	Basic
mt_lng_fluency	Tell the most words beginning with K in the one minute.	text (number)	Basic
	Abstraction		
mt_abstraction_1	The similarity between words: train – bicycle	text (number)	Basic
mt_abstraction_2	The similarity between words: watch - rulers	text (number)	Basic
	Memory: later equipment of words		
mt_recall_1	Equipping word after 5 minutes: face	text (number)	Basic
mt_recall_2	Equipping word after 5 minutes: velvet	text (number)	Basic
mt_recall_3	Equipping word after 5 minutes: church	text (number)	Basic
mt_recall_4	Equipping word after 5 minutes: daisy	text (number)	Basic
mt_recall_5	Equipping word after 5 minutes: red	text (number)	Basic
	Orientation		
mt_orientation_1	Specify today's date	text (number)	Basic
mt_orientation_2	Specify month	text (number)	Basic
mt_orientation_3	Specify year	text (number)	Basic
mt_orientation_4	Specify day	text (number)	Basic
mt_orientation_5	Specify place	text (number)	Basic
mt_orientation_6	Specify city	text (number)	Basic
	Additional questions		
mt_edu	Education (number of years)	1, Less than 12 years 2, 12 and more years	Basic
mt_edu_celkem	Education (total number of years)	text (integer)	Basic
mt_hod_1	Did the respondent have a hearing or vision problem that affected the test?	1, No 2, Yes 3, Test could not be performed	Basic
mt_hod_2	If yes, please specify the problem	text	Basic
mt_hod_3	Did the respondent have any other problem that affected the course of the test?	1, No 2, Yes 3, Test could not be performed	Basic
mt_hod_4	If yes, please specify the problem	text	Basic

mt_hod_5	Was the test affected by an event?	1, No 2, Yes	Basic
mt_hod_6	If yes, please specify the problem	text	Basic
mt_hod_7	What was the respondent's response to cognitive tests?	1, Significantly negative 2, Rather negative 3, Neutral 4, Rather positive 5, Significantly positive	Basic
mt_hod_8	What was the degree of cooperation of the respondent?	1, Refused some or all of the tests 2, Was reluctant, reluctant to cooperate 3, Was highly motivated to cooperate	Basic
mt_hod_9	Are you generally satisfied with the reliability of the results (scores of individual tests)	1, No 2, Yes	Basic
	Evaluation		
recall_only_main	Specifies, whether data for MIS are available; 0 = only main short-term memory info is available, 1 = info for main STM and memory index score (MIS) are available	text	Basic
moca_ef	MoCA executive functions	calculation	Basic
moca_vsa	MoCA visuospatial abilities	calculation	Basic
moca_lng	MoCA language	calculation	Basic
moca_actwm	MoCA attention, concentration, working memory	calculation	Basic
moca_to	MoCA temporal orientation	calculation	Basic
moca_so	MoCA spatial orientation	calculation	Basic
moca_stm_main	MoCA short-term memory main score	calculation	Basic
moca_stm_mis	MoCA MIS Memory Index Score (missing value if only data for STM main score are available)	calculation	Basic
moca_total	MoCA total score without adjustment for education	calculation	Basic
moca_total_all	MoCA total score with adjustment for education	calculation	Basic

18. Self-report

This part consists of several related parts. Those parts are Dental Problems, Contact with people, CASP questionnaire (short version), evaluation of the place of residence, Perceived Control Questionnaire, Lack of finance and Free Time Activities. All these parts were put together to one report. 273 complete cases reports are available.

References: Prof. Mgr. Hynek Pikhart, Ph.D., M.Sc HAPIIE study, UCLA LONELINESS SCALE (only 3 questions were used), CASP-19 from HAPIEE study (only 12 questions), questionnaire was modify by Narine Movsisian

Variable name	Question	Values	Type of data
	Over the past 12 months, how much have these difficulties and problems with your dental health (mouth, teeth and/or false teeth/dentures) affected your daily life?		
dz_1	Difficulty eating food	1, A lot	Basic
dz_2	Difficulty speaking clearly	2, Moderately	Basic
dz_3	Difficulty cleaning teeth and/or dentures	3, A little	Basic
dz_4	Difficulty relaxing (including sleeping)	4, Not at all	Basic
dz_5	Problems smiling, laughing and showing teeth without embarrassment		Basic
dz_6	Problems with emotional instability, for example becoming more easily upset than usual		Basic
dz_7	Problems enjoying the contact of other people, such as relatives, friends or neighbours		Basic
	Loneliness questions	1, Hardly ever/never	Basic
dep_10_1	How often do you feel a lack of companionship?	2, Sometimes	Basic
dep_10_2	How often do you feel left out?	3, Often	Basic
dep_10_3	How often do you feel isolated from others?		Basic
	We would like to know how often, if at all, you think they apply to you		
dep_11_1	My age prevents me from doing the things I would like to	1, Often	Basic
dep_11_2	I feel that what happens to me is out of my control	2, Sometimes	Basic
dep_11_3	I feel left out	3, Rarely	Basic
dep_11_4	I can do what I want to do	4, Never	Basic
dep_11_5	Family responsibilities prevent me from doing what		Basic

dep_11_6	Lack of money stops me from doing the things I want to do		Basic
dep_11_7	I look forward to each day		Basic
dep_11_8	I feel that my life has a meaning		Basic
dep_11_9	I look back on my life with a sense of happiness		Basic
dep_11_10	I feel full of energy these days		Basic
dep_11_11	I feel that my life is full of opportunities		Basic
dep_11_12	I feel that the future looks good for me		Basic
	We would like to ask about your area of residence and other people		
se_1	Do you feel safe in the area of your residence during the day?	1, Always	Basic
se_2	Do you feel safe in the area of your residence at night?	2, Mostly	Basic
se_3	Would your neighbours help you if you need it?	3, Sometimes	Basic
se_4	Is there trust among people in your residence?	4, Rarely	Basic
se_5	Do you think that you can trust people?	5, Never	Basic
	How much do you agree or disagree with the following statements?		
se_6	At home, I feel I have control over what happens in most situations	1, Strongly disagree	Basic
se_7	Keeping healthy depends on things that I can do	2, Moderately disagree	Basic
se_8	There are certain things I can do for myself to reduce the risk of a heart attack	3, Slightly disagree	Basic
se_9	There are certain things I can do for myself to reduce the risk of getting cancer	4, Slightly agree	Basic
se_10	I feel that what happens in my life is often determined by factors beyond my control	5, Moderately agree	Basic
se_11	Over the next 5-10 years I expect to have many more positive than negative experiences	6, Strongly agree	Basic
se_12	I often have the feeling that I am being treated unfairly		Basic
se_13	In the past ten years my life has been full of changes without my knowing what will happen next		Basic
se_14	I very often have the feeling that there's little meaning in the things I do in my daily life		Basic
se_15	I sometimes feel as if I have done all there is to do in life		Basic
se_16	I gave up trying to make big improvements or changes in my life a long time ago		Basic
se_17	How often does it happen that you do not have enough money for food that you or the members of your household would need?	1, Always 2, Often	Basic

		3, Sometimes 4, Rarely 5, Never	
se_18	How often do you not have enough money for clothes and shoes that you or the members of your household would need?	1, Always 2, Often 3, Sometimes 4, Rarely 5, Never	Basic
se_19	How often do you have trouble paying your bills (such as rent, electricity, heating)?	1, Always 2, Often 3, Sometimes 4, Rarely 5, Never	Basic
	In the last month, how often did you do the following activities?		
se_52	Watch TV/videos	1, Never	Basic
se_53	Browse Internet via computer, tablet or cell phone	2, Less than monthly	Basic
se_62_3	Use cell phone for communication you	3, Once a month	Basic
se_54	Read, do crossword puzzles, play cards or board games	4, Once a week	Basic
se_55	Socialize with friends or family (indoor/outdoor)	5, 2-4 days per week	Basic
se_56	Play or listening to music, doing craftwork	6, Daily/5-6 days per week	Basic
se_57	Sports (sport games, tennis, golf, swimming, bicycling, skiing, bowling, etc.) and gym (exercises, aerobics, yoga, Pilates, dancing)		Basic
se_58	Walk as a leisure activity		Basic
se_59	Housework		Basic
se_62_2	Driving a car		Basic
se_60	Babysitting		Basic
se_61	Visit cinema/culture events		Basic
se_62_1	Other activity		Basic

19. Meal times from 24-hours recall

A 24-hour diet recall is a dietary assessment tool that consists of a structured interview in which participants are asked to recall all food and drink they have consumed in the previous 24 hours. [140](#) complete case reports are available.

Variable name	Question	Values	Type of data
nutri_24_no	Number of daily meals	text (integer)	Basic
nutri_24_wakeup_time	Time of waking up	text (time)	Basic
nutri_24_breakfast	Breakfast	1, Yes 2, No	Basic
nutri_24_breakfast_time	Breakfast time	text (time)	Basic
nutri_24_snack	Morning snack	1, Yes 2, No	Basic
nutri_24_snack_time	Morning snack time	text (time)	Basic
nutri_24_lunch	Lunch	1, Yes 2, No	Basic
nutri_24_lunch_time	Lunch time	text (time)	Basic
nutri_24_snack2	Afternoon snack	1, Yes 2, No	Basic
nutri_24_snack2_time	Afternoon snack time	text (time)	Basic
nutri_24_dinner	Dinner	1, Yes 2, No	Basic
nutri_24_dinner_time	Dinner time	text (time)	Basic
nutri_24_dinner2	Second dinner	1, Yes 2, No	Basic
nutri_24_dinner2_time	Second dinner time	text (time)	Basic
nutri_24_bed_time	Sleep time	text (time)	Basic
nutri_24_daysleep	Sleeping during the day	1, Yes 2, No	Basic
nutri_24_daysleep_time	Sleeping during the day time	text (time)	Basic
nutri_24_notes	Notes	text	Basic

20. Meal times from 3 days recall

Following questions were filled three times for three separate days. One of these days had to be a weekend day. Diet recall is a dietary assessment tool that consists of a structured interview in which participants are asked to recall all food and drink they have consumed in the specific time. 100 complete case reports are available.

Variable name	Question	Values	Type of data
nutria_3d_day	Day (which of the filled three days)	1, 1 2, 2 3, 3	Basic
nutria_3d_weekend	Is it this day a weekend day?	1, Yes 2, No	Basic
nutri_3d_no	Number of daily meals	text (integer)	Basic
nutri_3d_wakeup_time	Time of waking up	text (time)	Basic
nutri_3d_breakfast	Breakfast	1, Yes 2, No	Basic
nutri_3d_breakfast_time	Breakfast time	text (time)	Basic
nutri_3d_snack	Morning snack	1, Yes 2, No	Basic
nutri_3d_snack_time	Morning snack time	text (time)	Basic
nutri_3d_lunch	Lunch	1, Yes 2, No	Basic
nutri_3d_lunch_time	Lunch time	text (time)	Basic
nutri_3d_snack2	Afternoon snack	1, Yes 2, No	Basic
nutri_3d_snack2_time	Afternoon snack time	text (time)	Basic
nutri_3d_dinner	Dinner	1, Yes 2, No	Basic
nutri_3d_dinner_time	Dinner time	text (time)	Basic
nutri_3d_dinner2	Second dinner	1, Yes 2, No	Basic
nutri_3d_dinner2_time	Second dinner time	text (time)	Basic
nutri_3d_bed_time	Sleep time	text (time)	Basic
nutri_3d_daysleep	Sleeping during the day	1, Yes 2, No	Basic
nutri_3d_daysleep_time	Sleeping during the day time	text (time)	Basic
nutri_3d_notes	Notes	notes	Basic

21. NutriPro

In this section are variables which are calculated from 24-hours recall by NutriPro software. 265 complete cases reports are available.

Reference: <https://nutripro.cz/>

Variable name	Question	Values	Type of data
nutripro_cev	Total energy expenditure	text (number), [kJ]	Basic
nutripro_energy	Energy	text (number), [kJ]	Basic
nutripro_prot	Proteins	text (number), [g]	Basic
nutripro_lipids	Lipids	text (number), [g]	Basic
nutripro_carbohyd	Carbohydrates	text (number), [g]	Basic
nutripro_sugar	Sugar	text (number), [g]	Basic
nutripro_chol	Cholesterol	text (number), [mg]	Basic
nutripro_fiber	Fiber	text (number), [g]	Basic
nutripro_na	Sodium	text (number), [mg]	Basic
nutripro_k	Potassium	text (number), [mg]	Basic
nutripro_p	Phosphor	text (number), [mg]	Basic
nutripro_fe	Iron	text (number), [mg]	Basic
nutripro_vitc	Vitamin C	text (number), [mg]	Basic
nutripro_fenylal	Phenylalanine	text (number), [g]	Basic
nutripro_satfatacid	Saturated fatty acids	text (number), [g]	Basic
nutripro_glyk_ind	Glycaemic index	text (number), [-]	Basic
nutripro_polyol	Polyols	text (number), [g]	Basic
nutripro_popel_celk	Complete ash	text (number), [g]	Basic
nutripro_sucrose	Sucrose	text (number), [g]	Basic
nutripro_glucose	Glucose	text (number), [g]	Basic
nutripro_fruct	Fructose	text (number), [g]	Basic
nutripro_lact	Lactose	text (number), [g]	Basic
nutripro_malt	Maltose	text (number), [g]	Basic
nutripro_ethan	Alcohol - ethanol	text (number), [g]	Basic
nutripro_oxal_acid	Oxalic acid	text (number), [g]	Basic

nutripro_water	Water	text (number), [g]	Basic
nutripro_manit	Mannitol	text (number), [g]	Basic
nutripro_sorb	Sorbitol	text (number), [g]	Basic
nutripro_kofein	Caffeine	text (number), [mg]	Basic
nutripro_theobrom	Theobromine	text (number), [mg]	Basic
nutripro_galakt	Galactose	text (number), [g]	Basic
nutripro_rafin	Raffinose	text (number), [g]	Basic
nutripro_stach	Stachyose	text (number), [g]	Basic
nutripro_mg	Magnesium	text (number), [mg]	Basic
nutripro_zn	Zinc	text (number), [mg]	Basic
nutripro_cu	Copper	text (number), [mg]	Basic
nutripro_mn	Manganese	text (number), [mg]	Basic
nutripro_se	Selenium	text (number), [μg]	Basic
nutripro_vita	Retinol (Vitamin A)	text (number), [μg]	Basic
nutripro_betacar	Beta carotene	text (number), [μg]	Basic
nutripro_alfatokof	Alfa tocopherol	text (number), [mg]	Basic
nutripro_vitd_iu	Vitamin D	text (number), [UI]	Basic
nutripro_vitd_mg	Vitamin D	text (number), [μg]	Basic
nutripro_thiam	Thiamine (Vitamin B1)	text (number), [mg]	Basic
nutripro_ribof	Riboflavin (Vitamin B2)	text (number), [mg]	Basic
nutripro_niac_pref	Niacin, nicotinic acid (preformed)	text (number), [mg]	Basic
nutripro_niac_tot	Niacin (Total equivalent)	text (number), [NE]	Basic
nutripro_panto_acid	Pantothenic acid	text (number), [mg]	Basic
nutripro_pyrid	Pyridoxin (Vitamin B6)	text (number), [mg]	Basic
nutripro_folac	Folacin, folate naturally occurring	text (number), [μg]	Basic
nutripro_vitb12	Vitamin B12	text (number), [μg]	Basic
nutripro_vitk	Vitamin K	text (number), [μg]	Basic
nutripro_folic_acid	Folic acid	text (number), [μg]	Basic
nutripro_trypt	Tryptophan	text (number), [g]	Basic
nutripro_threo	Threonine	text (number), [g]	Basic

nutripro_isol	Isoleucine	text (number), [g]	Basic
nutripro_leuc	Leucine	text (number), [g]	Basic
nutripro_lysine	Lysine	text (number), [g]	Basic
nutripro_methio	Methionine	text (number), [g]	Basic
nutripro_cystin	Cystine	text (number), [g]	Basic
nutripro_tyros	Tyrosine	text (number), [g]	Basic
nutripro_valin	Valine	text (number), [g]	Basic
nutripro_argin	Arginine	text (number), [g]	Basic
nutripro_histid	Histidine	text (number), [g]	Basic
nutripro_alan	Alanine	text (number), [g]	Basic
nutripro_aspar_acid	Aspartic acid	text (number), [g]	Basic
nutripro_glut_acid	Glutamic acid	text (number), [g]	Basic
nutripro_glyc	Glycine	text (number), [g]	Basic
nutripro_prol	Proline	text (number), [g]	Basic
nutripro_serin	Serine	text (number), [g]	Basic
nutripro_aspar	Aspartame	text (number), [mg]	Basic
nutripro_transfatac_total	Total trans fatty acids	text (number), [g]	Basic
nutripro_plant_stre_total	Total plant sterols	text (number), [mg]	Basic
nutripro_monofatac_total	Total monounsaturated fatty acids	text (number), [g]	Basic
nutripro_polyfatac_total	Total polyunsaturated fatty acids	text (number), [g]	Basic
nutripro_monosach_total	Total monosaccharides	text (number), [g]	Basic
nutripro_disach_total	Total disaccharides	text (number), [g]	Basic
nutripro_chol_total	Total choline	text (number), [mg]	Basic
nutripro_monofatac_omega3	Total monounsaturated fatty acids omega 3	text (number), [-]	Basic
nutripro_polyfatac_omega6	Total polyunsaturated fatty acids omega 6	text (number), [-]	Basic

22. Edmonton Frail Scale

The Edmonton Frail Scale (EFS) was developed as a practical tool to be used by health care providers without specialized geriatrics training. The EFS assesses 9 domains: cognition, general health status, functional independence, social support, medication use, nutrition, mood, continence, and functional performance.

Scoring:

0-5 = Not frail; 6-7 = Vulnerable; 8-9 = Mild frailty; 10-11 = Moderate Frailty; 12-17 = Severe Frailty

236 complete cases are available.

Reference: https://qxmd.com/calculate/calculator_595/edmonton-frail-scale, <https://edmontonfrailscale.org/>

Variable name	Question	Values	Type of data
esf_cognition	Please imagine that this pre-drawn circle is a clock. I would like you to place the numbers in the correct positions then place the hands to indicate a time of 'ten after eleven'.	0, No errors 1, Minor spacing errors 2, Other errors	Basic
esf_hospitalized	In the past year, how many times have you been hospitalized?	0, none 1, 1 – 2 times 2, more than 2 times	Basic
esf_health	In general, how would you describe your health?	0, Excellent, very good, good 1, Fair 2, Poor	Basic
esf_func_ind	With how many of the following activities do you require help? (meal preparation, shopping, transportation, telephone or housekeeping, laundry, managing money, taking medications)	0, 0-1 activities 1, 2-4 activities 2, 5-7 activities	Basic
esf_social_sup	When you need help, can you count on someone who is willing and able to meet your needs?	0, Always 1, Sometimes 2, Never	Basic
esf_med_reg	Do you use five or more different prescription medications on a regular basis:	0, No 1, Yes	Basic
esf_med_forgot	At times, do you forget to take your prescription medications?	0, No 1, Yes	Basic
esf_nutri	Have you recently lost weight such that your clothing has become looser?	0, No 1, Yes	Basic
esf_mood	Do you often feel sad or depressed?	0, No 1, Yes	Basic

esf_continence	Do you have a problem with losing control of urine when you don't want to?	0, No 1, Yes	Basic
esf_func_perform	I would like you to sit in this chair with your back and arms resting. Then, when I say GO, please stand up and walk at a safe and comfortable pace to the mark on the floor (approximately 3 meters away), return to the chair and sit down	0, 0-10 seconds 1, 11-20 seconds 2, > 20 seconds or participant unwilling or requires assistance	Basic
esf_score	Total Edmonton Frail Scale Score	test (number)	Advanced

2. Examinations

1. BpTRU

BpTRU is an automatic oscillometric non-invasive blood pressure measuring device. 274 complete case reports are available of which 44 were performed control measurement.

Variable name	Parameter	Explanatory notes	Values	Type of data
bptru_sys_1	Systolic blood pressure 1. measurement		text (integer, Min: 30, Max: 300), [mmHg]	Advanced
bptru_dia_1	Diastolic blood pressure 1. measurement		text (integer, Min: 10, Max: 200), [mmHg]	Advanced
bptru_puls_1	Pulse blood pressure 1. measurement		text (integer, Min: 10, Max: 200), [bpm]	Advanced
bptru_sys_2	Systolic blood pressure 2. measurement		text (integer, Min: 30, Max: 300), [mmHg]	Advanced
bptru_dia_2	Diastolic blood pressure 2. measurement		text (integer, Min: 10, Max: 200), [mmHg]	Advanced
bptru_puls_2	Pulse blood pressure 2. measurement		text (integer, Min: 10, Max: 200), [bpm]	Advanced
bptru_sys_3	Systolic blood pressure 3. measurement		text (integer, Min: 30, Max: 300), [mmHg]	Advanced
bptru_dia_3	Diastolic blood pressure 3. measurement		text (integer, Min: 10, Max: 200), [mmHg]	Advanced
bptru_puls_3	Pulse blood pressure 3. measurement		text (integer, Min: 10, Max: 200), [bpm]	Advanced
bptru_sys_4	Systolic blood pressure 4. measurement		text (integer, Min: 30, Max: 300), [mmHg]	Advanced
bptru_dia_4	Diastolic blood pressure 4. measurement		text (integer, Min: 10, Max: 200), [mmHg]	Advanced
bptru_puls_4	Pulse blood pressure 4. measurement		text (integer, Min: 10, Max: 200), [bpm]	Advanced
bptru_sys_5	Systolic blood pressure 5. measurement		text (integer, Min: 30, Max: 300), [mmHg]	Advanced
bptru_dia_5	Diastolic blood pressure 5. measurement		text (integer, Min: 10, Max: 200), [mmHg]	Advanced
bptru_puls_5	Pulse blood pressure 5. measurement		text (integer, Min: 10, Max: 200), [bpm]	Advanced
bptru_sys_prum	Systolic blood pressure average	1. and 5. measurement excluded	calculation, [mmHg]	Basic
bptru_dia_prum	Diastolic blood pressure average	1. and 5. measurement excluded	calculation, [mmHg]	Basic
bptru_puls_prum	Pulse blood pressure average	1. and 5. measurement excluded	calculation, [bpm]	Basic
bptru_poznamka	BpTRU control measurement		text (BP systolic / BP diastolic), [mmHg]	Basic

2. InBody

Segment multi-frequency bioelectric impedance direct analysis, DMS-BIA method (InBody 370; BIOSPACE Co., Ltd., Korea). Impedance: 15 impedance measurements using 3 different frequencies (5kHz, 50kHz, 250kHz) on each of the 5 segments (right arm, left arm, torso, right leg, left leg).

258 complete cases reports are available.

Variable name	Parameter	Explanatory notes	Values	Type of data
ib_vyska	Height		text (number), [cm]	Basic
ib_pohlavi	Gender		text	Basic
ib_vek	Age		text (number), [year]	Basic
ib_norma_vahy	Target Weight	InBody private formula. Ideal calculated weight.	text (number), [kg]	Advanced
ib_kontrola_vahy	Weight Control	InBody formula. Weight control= ideal BMI*height ² .	text (number), [kg]	Advanced
ib_kontrola_tuku	Fat Control	InBody private formula. Fat control = Calculation of the fat which needs to be reduce/gain.	text (number), [kg]	Advanced
ib_kontrola_svalstva	Muscle Control	InBody private formula. Muscle control=Calculation of the muscle which needs to be reduce/gain.	text (number), [kg]	Advanced
ib_zhodnoc_kondice	Fitness Score	InBody formula. Fitness score= (0.54987 * weight) + (0.01279 * SMM) - (1.85422 * BFM) + 75.67391.	text (number), [point]	Advanced
ib_zakl_metabol_mira	Basal Metabolic Rate	InBody formula. Basal metabolic rate (BMR)= 21.6 x FFM(Kg)+370. For accurate value needs to be adjusted by Activity. Normal ranges can be exported.	text (number), [kcal]	Advanced
ib_min_kalor_potreba	Min. BMR	InBody private formula.	text (number), [kcal]	Advanced
ib_max_kalor_potreba	Max. BMR	InBody private formula.	text (number), [kcal]	Advanced
ib_mineral_v_kost	Bone Mineral Content	InBody biomepedance result. Total weight of bone minerals (BMC). Normal ranges can be exported.	text (number), [kg]	Basic
ib_min_mineral_v_kost	Min. Bone Mineral Content	InBody private formula.	text (number), [kg]	Advanced
ib_max_mineral_v_kost	Max. Bone Mineral Content	InBody private formula.	text (number), [kg]	Advanced
ib_norm_mineral_v_kost	Target Bone Mineral Content	InBody private formula.	text (number), [kg]	Advanced

ib_telni_bunky	Body Cell Mass	InBody private formula. Total weight of all cell elements in the body (BCM). Normal range can be exported.	text (number), [kg]	Basic
ib_min_bunec_hmoty	Min. Body Cell Mass	InBody private formula.	text (number), [kg]	Advanced
ib_max_teles_bunek	Max. Body Cell Mass	InBody private formula.	text (number), [kg]	Advanced
ib_norm_bunec_hmoty	Target Body Cell Mass	InBody private formula.	text (number), [kg]	Advanced
ib_stupen_obezy	Obesity Degree	InBody formula. Obesity degree (OD) = (Current weight/Standard weight) * 100. Normal ranges can be export.	text (number), [%]	Advanced
ib_min_stupen_obezy	Min. Obesity Degree	InBody formula minOD = 90 % OD. The value always 90.	text (number), [%]	Advanced
ib_max_stupen_obezy	Max. Obesity Degree	InBody formula maxOD = 110 % of OD. The value always 110.	text (number), [%]	Advanced
ib_oblast_utrob_tuk	Visceral Fat Area	InBody bioimpedance result. Normal cut off is 100 cm ² for normal area.	text (number), [cm ²]	Basic
ib_such_sval_hmota	Dry Lean Mass	InBody formula. Dry lean mass (DLM)=Weight-TBW-BFM. Dry lean mass represents weight of the protein and mineral content in the body. No normal ranges.	text (number), [kg]	Basic
ib_hmotnost	Weight	InBody formula. Weight = TBW + Protein Mass + Mineral Mass + TFM. Normal ranges can be export.	text (number), [kg]	Basic
ib_min_hmotnost	Min. Weight	InBody formula. Weight min= 85% of Target weight.	text (number), [kg]	Advanced
ib_max_hmotnost	Max. Weight	InBody formula. Weight max= 115% of Target weight.	text (number), [kg]	Advanced
ib_koster_svalstvo	Skeletal Muscle Mass	InBody bioimpedance result. Skeletal muscle mass (SMM). Normal range can be exported.	text (number), [kg]	Basic
ib_min_koster_svalstvo	Min. Skeletal Muscle Mass	InBody formula. SMM min= 90% of Muscle control.	text (number), [kg]	Advanced
ib_max_koster_svalstvo	Max. Skeletal Muscle Mass	InBody formula. SMM max= 110% of Muscle control.	text (number), [kg]	Advanced
ib_bfm	Body Fat Mass	InBody private formula.	text (number), [kg]	Advanced
ib_min_bfm	Min. Body Fat Mass	InBody formula. BFM= 80subcutaneous+visceral fat. Normal ranges can be exported.	text (number), [kg]	Basic

ib_max_bfm	Max. Body Fat Mass	InBody formula. BFM min for = 80% of target BFF. Target BFM for women= 23%, for men= 15 %	text (number), [kg]	Advanced
ib_tuk_v_tele	Percent Body Fat	InBody formula. Percent body fat (PBF)= BFM/weight * 100. Normal range can be exported.	text (number), [%]	Basic
ib_min_tuk_v_tele	Min. Percent Body Fat	InBody formula. PBF min for women= 18%, for men= 10%.	text (number), [%]	Advanced
ib_max_tuk_v_tele	Max. Percent Body Fat	InBody formula. PBF min for women= 28%, for men= 20%.	text (number), [%]	Advanced
ib_stupen_brisni_obez	Abdominal Obesity Degree	InBody formula. TBF for women= 23%, for men=15%.	text (number), [-]	Advanced
ib_min_stupen_brisni_obez	Min. Abdominal Obesity Degree	InBody formula. Abdominal obesity degree (AOD)= (Current weight/norm weight) *100. Normal ranges can be exported.	text (number), [-]	Basic
ib_max_stupen_brisni_obez	Max. Abdominal Obesity Degree	InBody formula. AOD min= 90% of AOD.	text (number), [-]	Advanced
ib_bmi	Body Mass Index	InBody formula. AOD max= 120% of AOD.	text (number), [kg/m ²]	Advanced
ib_bmi_min	Min. BMI	InBody formula. AOD target for women = 22%, for men =21,5%.	text (number), [kg/m ²]	Advanced
ib_bmi_max	Max. BMI	Official formula for BMI. Normal ranges can be exported.	text (number), [kg/m ²]	Basic
ib_bmi_norm	Target BMI	InBody formula. BMI min= 18,5.	text (number), [-]	Advanced
ib_vaha_vs_norma	Current Weight Compared to Target Weight in Percentage	InBody formula. BMI min= 25	text (number), [%]	Advanced
ib_norma_ks	Target Skeletal Muscle Mass	Individual calculation of ideal range based on gender and age.	text (number), [kg]	Advanced
ib_tpbfb	Target Percent Body Fat	Individual calculation of normal range based on gender and age.	text (number), [%]	Advanced
ib_norm_bricho	Target Abdominal Obesity Degree	Individual calculation of ideal range based on gender and age.	text (number), [-]	Advanced
ib_sval_hm_pr	Right Arm Lean Mass	InBody bioimpedance result. Lean body mass (LBM) of the right arm.	text (number), [kg]	Basic
ib_sval_hm_pr_proc	Lean Mass of Right Arm in Percentage	Lean body mass of the right arm in %.	text (number), [%]	Basic
ib_sval_hm_pr_norm	Target Lean Mass of Right Arm in Percentage	InBody private formula.	text (number), [%]	Advanced
ib_sval_hm_lr	Left Arm Lean Mass	InBody bioimpedance result. Lean body mass (LBM) of the left arm.	text (number), [kg]	Basic

ib_sval_hm_lr_proc	Lean Mass of Left Arm in Percentage	Lean body mass of the left arm in %.	text (number), [%]	Basic
ib_sval_hm_lr_norm	Target Lean Mass of Left Arm in Percentage	InBody private formula.	text (number), [%]	Advanced
ib_sval_trup	Trunk Lean Mass	InBody bioimpedance result. Lean body mass (LBM) of the trunk.	text (number), [kg]	Basic
ib_sval_trup_proc	Lean Mass of Trunk in Percentage	Lean body mass of the trunk in %.	text (number), [%]	Basic
ib_sval_trup_proc_norm	Target Lean Mass of Trunk in Percentage	InBody private formula.	text (number), [%]	Advanced
ib_sval_hm_pn	Right Leg Lean Mass	InBody bioimpedance result. Lean body mass (LBM) of the right leg.	text (number), [kg]	Basic
ib_sval_hm_pn_proc	Lean Mass of Right Leg in Percentage	Lean body mass of the right leg in %.	text (number), [%]	Basic
ib_sval_hm_pn_proc_norm	Target Lean Mass of Right Leg in Percentage	InBody private formula.	text (number), [%]	Advanced
ib_sval_hm_ln	Left Leg Lean Mass	InBody bioimpedance result. Lean body mass (LBM) of the left leg.	text (number), [kg]	Basic
ib_sval_hm_ln_proc	Lean Mass of Left Leg in Percentage	Lean body mass of the left leg in %.	text (number), [%]	Basic
ib_sval_hm_ln_proc_norm	Target Lean Mass of Left Leg in Percentage	InBody private formula.	text (number), [%]	Advanced
ib_intracel_voda	Intracellular Water Mass	InBody bioimpedance result. Intracellular water mass (ICW) Normal ranges can be exported.	text (number), [l]	Basic
ib_min_intracel_voda	Min. Intracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_max_intracel_voda	Max. Intracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_nedmer_vody_v_tele	Extracellular Water Mass	InBody bioimpedance result. Extracellular water mass (ECW). Normal ranges can be exported.	text (number), [l]	Basic
ib_min_extracel_vody	Min. Extracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_max_extracel_vody	Max. Extracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_mnoztvi_protein	Protein Mass	InBody bioimpedance result. Normal ranges can be exported.	text (number), [kg]	Basic
ib_min_mnoztvi_protein	Min. Protein Mass	InBody private formula.	text (number), [kg]	Advanced
ib_max_mnoztvi_protein	Max. Protein Mass	InBody private formula.	text (number), [kg]	Advanced
ib_mineral	Mineral Mass	InBody bioimpedance result. Normal ranges can be exported.	text (number), [kg]	Basic

ib_min_mineral	Min. Mineral Mass	InBody private formula.	text (number), [kg]	Advanced
ib_max_mineral	Max. Mineral Mass	InBody private formula.	text (number), [kg]	Advanced
ib_tuk_v_tele_tk	Fat Mass	For interpretation ask for manual. Normal range can be export.	text (number), [kg]	Basic
ib_min_tuk_v_tele_tk	Min. Fat Mass	Individual calculation of normal range based on gender and age.	text (number), [kg]	Advanced
ib_max_tuk_v_tele_tk	Max. Fat Mass	Individual calculation of normal range based on gender and age.	text (number), [kg]	Advanced
ib_celkova_voda_v_tele	Total Body Water Mass	InBody formula. Total body water mass (TBW)= ECW+ICW.	text (number), [l]	Basic
ib_koster_svalstvo_tk	Skeletal Lean Mass	InBody formula. Skeletal lean mass (SLM)= Total body water (TBW)+Proteins+ non-osseous minerals.	text (number), [kg]	Basic
ib_cista_hmotnost	Fat Free Mass	InBody formula. Fat free mass (FFM)= SLM + osseous minerals.	text (number), [kg]	Basic
ib_norm_voda_v_tele	Target Intracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_norm_extracel_vody	Target Extracellular Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_norm_voda_v_tele_tk	Target Total Body Water Mass	InBody private formula.	text (number), [l]	Advanced
ib_norm_mnoztvi_protein	Target Protein Mass	InBody private formula.	text (number), [kg]	Advanced
ib_norm_mineral	Target Mineral Mass	InBody private formula.	text (number), [kg]	Advanced
ib_tuk_v_tele_proc_tk	Percentual Fat Mass	Individual calculation or ideal Fats.	text (number), [kg]	Advanced
ib_edema_index_1	Edema Index 1	InBody formula. retention of the body water (Edema). Edema index 1= ECW/TBW. Normal InBody range is 0,360-0,390.	text, [-]	Basic
ib_edema2	Edema Index 2	InBody formula. Retention of the body fluid. Edema index 2 = ECF/TBF. Normal InBody range is 0,310-0,350.	text, [-]	Basic
ib_edema_index_1_of_right_arm	Edema Index 1 of Right Arm	InBody formula. Edema index 1 (right arm) = ECW/TBW of right arm segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_1_of_left_arm	Edema Index 1 of Left Arm	InBody formula. Edema index 1 (left arm) = ECW/TBW of left arm segment. No normal ranges.	text, [-]	Advanced
ib_trunk_edema1	Trunk Edema Index 1	InBody formula. Edema index 1 (trunk)= ECW/TBW of left trunk segment. No normal ranges.	text, [-]	Advanced

ib_edema_index_1_of_right_leg	Edema Index 1 of Right Leg	InBody formula. Edema index 1 (right leg) = ECW/TBW of right leg segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_1_of_left_leg	Edema Index 1 of Left Leg	InBody formula. Edema index 1 (left leg) = ECW/TBW of left leg segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_2_of_right_arm	Edema Index 2 of Right Arm	InBody formula Edema index 2 (right arm) = ECF/TBF in the right arm segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_2_of_left_arm	Edema Index 2 of Left Arm	InBody formula. Edema index 2 (left arm) = ECF/TBF. in the left arm segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_2_of_trunk	Edema Index 2 of Trunk	InBody formula. Edema index 2 (trunk) = ECF/TBF. in the trunk segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_2_of_left_leg	Edema Index 2 of Left Leg	InBody formula. Edema index 2 (left leg) = ECF/TBF. in the left arm segment. No normal ranges.	text, [-]	Advanced
ib_edema_index_2_of_right_leg	Edema Index 2 of Right Leg	InBody formula. Edema index 2 (right leg) = ECF/TBF. in the right leg segment. No normal ranges.	text, [-]	Advanced
ib_neck_circumference	Neck Circumference	InBody bioimpedance result. Based on the ascertained and measuring the part just below the larynx. . No normal ranges.	text, [cm]	Basic
ib_chest_circumference	Chest Circumference	InBody bioimpedance result. Based on the ascertained and measuring the width of the chest. No normal ranges.	text, [cm]	Basic
ib_abdomen_circumference	Abdomen Circumference	InBody bioimpedance result. Based on the ascertained and measuring the navel line. No normal ranges.	text, [cm]	Basic
ib_hip_circumference	Hip Circumference	InBody bioimpedance result. Based on the ascertained and measuring protruding part of the hip. No normal ranges.	text, [cm]	Basic
ib_right_arm_circumference	Right Arm Circumference	InBody bioimpedance result. Based on the ascertained and measuring from the acromion to the 1/2 point of the elbow. No normal ranges.	text, [cm]	Basic

b_left_arm_circumference	Left Arm Circumference	InBody bioimpedance result. Based on the ascertained and measuring from the acromion to the 1/2 point of the elbow. No normal ranges.	text, [cm]	Basic
ib_left_thigh_circumference	Left Thigh Circumference	InBody bioimpedance result. Based on the ascertained and measuring the point from the parallel line of the navel to the 2/3 point of the knee bone. No normal ranges.	text, [cm]	Basic
ib_right_thigh_circumference	Right Thigh Circumference	InBody bioimpedance result. Based on the ascertained and measuring the point from the parallel line of the navel to the 2/3 point of the knee bone. No normal ranges.	text, [cm]	Basic
ib_amc	AMC	InBody bioimpedance result. Circumference of the left upper arm. No normal ranges.	text, [cm]	Advanced

3. Anthropometric measurement

All anthropometric and body composition measurements were performed by trained medical staff. All subjects wore only underwear, without shoes. Height was measured using a professional SECA stadiometer, with the head held in the Frankfort horizontal plane. (recorded measurement accuracy: the value rounded to the nearest 1.0 cm) Weight was determined using a calibrated, professional high precision SECA floor scale. (recorded measurement accuracy: to the nearest 1.0 kg). Waist circumference was measured at a level midway between the lower rib margin and the iliac crest at the end of expiration using a flexible, non-elastic scale (recorded measurement accuracy: the value rounded to the nearest 1.0 cm), hip circumference was measured as the maximum circumference over the buttocks (recorded measurement accuracy: the value rounded to the nearest 1.0 cm). 274 complete cases reports are available.

Variable name	Parameter	Explanatory notes	Values	Type of data
vyska	Height		text (number, Min: 140, Max: 210), [cm]	Basic
vaha	Weight		text (number, Min: 40, Max: 150), [kg]	Basic
obvod_krku	Neck circumference	Ascertained by measuring the part just below the larynx. Measured manually.	text (number, Min: 10, Max: 200), [cm]	Basic
obvod_prava_paze	Right arm circumference	Ascertained by measuring from the acromion to the 1/2 point of the elbow. Measured manually.	text (number, Min: 15, Max: 50), [cm]	Basic
obvod_pasu	Waist circumference	Circumference in the most protruding part of the waist. Measured manually.	text (number, Min: 58, Max: 170), [cm]	Basic
obvod_boku	Hip circumference	Circumference in the most protruding part of the hip. Measured manually.	text (number, Min: 58, Max: 170), [cm]	Basic
obvod_stehna	Right thigh circumference	Ascertained by measuring from the parallel line of the navel to the 2/3 point of the knee bone. Measured manually.	text (number, Min: 40, Max: 90), [cm]	Basic

4. Vasera

Vasera is a diagnostic device measuring the condition of the vascular system and performing atherosclerosis screening. It is a suitable tool for monitoring the effectiveness of treatment. It determines the biological age of blood vessels. 265 complete cases reports are available.

Variable name	Parameter	Values	Type of data
weight	Weight	text (number)	Basic
bmi	BMI	text (number)	Basic
tod	Date of measurement	text (date, dmy)	Basic
rb_sys	Right Brachial Systolic Blood Pressure	text (number), [mmHg]	Basic
b_dia	Right Brachial Diastolic Blood Pressure	text (number), [mmHg]	Basic
rb_mean	Right Brachial Mean Blood Pressure	text (number), [mmHg]	Basic
rb_pp	Right Brachial Pulse Pressure	text (number), [mmHg]	Basic
lb_sys	Left Brachial Systolic Blood Pressure	text (number), [mmHg]	Basic
lb_dia	Left Brachial Diastolic Blood Pressure	text (number), [mmHg]	Basic
lb_mean	Left Brachial Mean Pressure	text (number), [mmHg]	Basic
lb_pp	Left Brachial Pulse Pressure	text (number), [mmHg]	Basic
ra_sys	Right Ankle Systolic Blood Pressure	text (number), [mmHg]	Basic
ra_dia	Right Ankle Diastolic Blood Pressure	text (number), [mmHg]	Basic
ra_mean	Right Ankle Mean Pressure	text (number), [mmHg]	Basic
ra_pp	Right Ankle Pulse Pressure	text (number), [mmHg]	Basic
la_sys	Left Ankle Systolic Blood Pressure	text (number), [mmHg]	Basic
la_dia	Left Ankle Diastolic Blood Pressure	text (number), [mmHg]	Basic
la_mean	Left Ankle Mean Pressure	text (number), [mmHg]	Basic
la_pp	Left Ankle Pulse Pressure	text (number), [mmHg]	Basic
r_abi	Right ABI	text (number), [-]	Advanced
l_abi	Left ABI	text (number), [-]	Advanced
hr	Heart rate	text (number), [bpm]	Advanced
pep	Pre-ejection Period	text (number), [m·s]	Advanced
et	Ejection Time	text (number), [m·s]	Advanced
pepet	Ratio of PEP/ET	text (number), [-]	Advanced

rb_ai	Augmentation Index of Right Brachial Artery	text (number), [-]	Advanced
lb_ai	Augmentation Index of Left Brachial Artery	text (number), [-]	Advanced
rb_ut	Upstroke Time of Right Brachial Artery	text (number), [m·s]	Advanced
lb_ut	Upstroke Time of Left Brachial Artery	text (number), [m·s]	Advanced
ra_ut	Upstroke Time of Right Ankle Artery	text (number), [m·s]	Advanced
la_ut	Upstroke Time of Left Ankle Artery	text (number), [m·s]	Advanced
rb_map	%Mean Arterial Pressure of Right Brachial Artery	text (number), [mmHg]	Basic
lb_map	%Mean Arterial Pressure of Left Brachial Artery	text (number), [mmHg]	Basic
ra_map	%Mean Arterial Pressure of Right Ankle	text (number), [mmHg]	Basic
la_map	%Mean Arterial Pressure of Left Ankle	text (number), [mmHg]	Basic
r_tb	Propagation time from heart to right Brachial Artery	text (number), [m·s]	Advanced
l_tb	Propagation time from heart to left Brachial Artery	text (number), [m·s]	Advanced
r_tba	Propagation time from Brachial Artery to right Ankle	text (number), [m·s]	Advanced
l_tba	Propagation time from Brachial Artery to left Ankle	text (number), [m·s]	Advanced
r_cavi	Right side CAVI	text (number), [-]	Basic
l_cavi	Left side CAVI	text (number), [-]	Basic
estimatedager_cavi	Estimated Age calculated from R-CAVI	text (number), [year]	Advanced
estimatedagel_cavi	Estimated Age calculated from L-CAVI	text (number), [year]	Advanced
vasera_sys	Systolic blood pressure	text (number), [mmHg]	Basic
vasera_dia	Diastolic blood pressure	text (number), [mmHg]	Basic
vasera_notes	Notes	text (notes)	Basic

5. Doppler-ultrasound

Ultrasonically measured right and left ankle systolic blood pressure (tibial systolic blood pressure). Measured to 2 mmHg (millimetres of mercury).

269 complete cases reports are available.

Variable name	Parameter	Values	Type of data
uz_sys_tk_pk	Systolic pressure of the right ankle	text (number, Min: 1, Max: 400)	Basic
uz_sys_tk_lk	Diastolic pressure of the right ankle	text (number, Min: 1, Max: 400)	Basic

6. Smokerlyzer

The Smokerlyzer monitors non-invasively measure the amount of CO on a smoker's breath with an accuracy of 1 ppm.

273 complete case reports are available.

Variable name	Parameter	Values	Type of data
smokelyzer_2	Measured value	text (integer, Min: 0, Max: 99), [ppm]	Basic

7. Age reader

The AGE Reader is a non-invasive monitoring device that uses ultra-violet light to excite autofluorescence in human skin tissue. The autofluorescence is from the level of Advanced Glycation End products (AGEs). The measurement of AGEs provides an immediate cardiovascular risk prediction in 12 seconds.

271 complete cases reports are available.

Variable name	Parameter	Values	Type of data
ar_2	Measured value	text (number)	Basic

8. Handgrip

Jamar handgrip measures the maximum isometric strength of the hand and forearm muscles. Also, can be used for define a general rule people with strong hands tend to be strong elsewhere, so this test is often used as a general test of strength.

271 complete cases reports are available.

Variable name	Parameter	Values	Type of data
handgrip_lateralita	Laterality	1, Right-handed 2, Left-handed 3, No definite laterality	Basic
handgrip_dominan	Dominant hand	1, Right 2, Left	Basic
handgrip_p_1	Right hand 1. measurement	text (number, Min: 0, Max: 300), [kg]	Basic
handgrip_1_1	Left hand 1. measurement	text (number, Min: 0, Max: 300), [kg]	Basic
handgrip_p_2	Right hand 2. measurement	text (number, Min: 0, Max: 300), [kg];	Basic
handgrip_1_2	Left hand 2. measurement	text (number, Min: 0, Max: 300), [kg]	Basic
handgrip_p_3	Right hand 3. measurement	text (number, Min: 0, Max: 300), [kg]	Basic
handgrip_1_3	Left hand 3. measurement	text (number, Min: 0, Max: 300), [kg]	Basic

9. Functional performance

Measurement of the time taken by a proband to travel a specified distance (approx. 6 meters) in a safe and comfortable step. The test is part of the Edmonton frail scale (EFS). Time is measured by stopwatch.

273 complete cases reports are available.

Variable name	Parameter	Values	Type of data
oa_nezavislost	I would like you to sit in the chair with your back and arms resting. Then when I say Go, please stand up and walk at a safe and comfortable pace to the mark on the floor (approximately 3 m away, return to the chair and sit down)	1, 0-10 seconds 2, 11-20 seconds 3, >20 seconds, or participants unwilling or requires assistance.	Basic
oa_nezavislost_2	Walk time	text (time in seconds)	Basic

10. Laboratory

274 complete cases reports are available.

Variable name	Parameter	Reference range	Values	Type of data
	Blood			
lab_1	Glycated haemoglobin HbA1c	20 – 42 43 – 53 (diabetic)	text (number), [mmol/mol]	Basic
lab_2	Glycaemia (Glucose)	3.9 – 5.6	text (number), [mmol/l]	Basic
lab_3	Urea	2.8 – 8.1	text (number), [mmol/l]	Basic
lab_4	Creatinine from blood	59 – 104 (men) 45 – 84 (women)	text (number), [mmol/l]	Basic
lab_5	Glom. filtration estimation CKD-EPI	> 1.0 (age 18 – 150)	text (number), [ml/s/1.73m ²]	Basic
lab_6	Total cholesterol	2.9 – 5.0	text (number), [mmol/l]	Basic
lab_7	Triglycerides	0.45- 1.70	text (number), [mmol/l]	Basic
lab_8	HDL cholesterol	1.0 – 2.1 (men) 1.2 – 2.7 (women)	text (number), [mmol/l]	Basic
lab_9	LDL cholesterol	1.2 – 3.0	text (number), [mmol/l]	Basic
lab_10	non-HDL cholesterol	1.0 – 3.8	text (number), [mmol/l]	Basic
lab_11	Apo-lipoprotein A1	1.0 – 1.7 (men) 1.1 – 1.9 (women)	text (number), [g/l]	Basic
lab_18	Apo-lipoprotein B	0.5 – 1.0	text (number), [g/l]	Basic
	Proteins			
lab_12	CRP	0.0 – 5.0	text (number), [mg/l]	Basic
	Urine			
lab_13	Total proteins	0 – 150	text (number), [mg/l]	Basic
lab_14	Albuminuria	0 – 30	text (number), [mg/l]	Basic
lab_15	ACR	0.0 – 2.5 (men) 0.0 – 3.5 (women)	text (number), [mg/mmol]	Basic
lab_16	Creatinine from urine		text (number), [mmol/l]	Basic
lab_17	The fractional excretion of water	1.0 – 2.0	text (number), [%]	Basic

11. Samples

Sample type	Question	Number of participants (with unused samples)	Number of participants (with residues)	Average volume per one sample	Unit
Serum	For how many participants we have a serum sample?	253	213	1.5 ± 0.3	ml
Plasma	For how many participants we have a plasma sample?	254	0	1.5 ± 0.3	ml
DNA	For how many participants we have a DNA sample?	253	0	500	ul

12. Echocardiography

234 cases reports are available, exact numbers of each echocardiography variable are below the table.

Variable name	Parameter	Values	Type of data
echo	Was the measurement performed?	1, Yes 2, No	Basic
echo_1	If not, please, state why	text	Basic
echo_hr	Heart rate (HR)	text (number)	Basic
echo_ivsd	Intraventricular septum – end diastole	text (number), [cm]	Basic
echo_lvidd	Left ventricle diameter – end diastole	text (number), [cm]	Basic
echo_edv_teich	End diastolic volume in PLAX (Teichholz formula)	calculation, [ml]	Advanced
echo_lvpwd	Left ventricle posterior wall diameter – end diastole	text (number), [cm]	Basic
echo_lvd_mass	Left ventricle end diastolic Mass	calculation, [g]	Advanced
echo_lvd_mass_index	Left ventricle end diastolic Mass index	calculation, [g/m ²]	Advanced
echo_lvd_mass_ase	Left ventricle end diastolic Mass (ASE formula)	calculation, [g]	Advanced
echo_lvd_mass_ind_ase	Left ventricle end diastolic Mass index (ASE formula)	calculation, [g/m ²]	Advanced
echo_ivss	Intraventricular septum – end-systole	text(number), [cm]	Advanced
echo_ivs_thck	Intraventricular septum thickness	calculation, [%]	Advanced
echo_lvids	Left ventricle diameter – end systole	text (number), [cm]	Basic
echo_esv_teich	End systolic volume in PLAX (Teichholz formula)	calculation, [%]	Advanced
echo_ef_teich	Ejection fraction in PLAX (Teichholz formula)	text (number), [%]	Basic
echo_esv_cube	End systolic volume in PLAX (Cube formula)	calculation, [ml]	Advanced
echo_ef_cube	Ejection fraction in PLAX (Cube formula)	calculation, [%]	Advanced
echo_fs	Fraction shortening	calculation, [%]	Advanced
echo_sv_teich	Stroke volume in PLAX (Teichholz formula)	calculation, [ml]	Advanced
echo_si_teich	Stroke Index in PLAX (Teichholz formula)	calculation, [ml/m ²]	Advanced
echo_sv_cube	Stroke volume in PLAX (Cube formula)	calculation, [ml]	Advanced
echo_si_cube	Stroke index in PLAX (Cube formula)	calculation, [ml/m ²]	Advanced
echo_lvpws	Left ventricle posterior wall diameter - end systolic	text(number), [cm]	Advanced
echo_lvpw_thck	Left ventricle posterior wall thickness	calculation, [%]	Advanced
echo_lvs_mass	Left ventricle end systolic mass	calculation[g]	Advanced

echo_lvs_mass_index	Left ventricle end systolic mass index	calculation, [g/m ²]	Advanced
echo_lvs_mass_ase	Left ventricle end systolic mass (ASE formula)	calculation, [g]	Advanced
echo_lvs_mass_ind_ase	Left ventricle end systolic mass index (ASE formula)	calculation, [g/m ²]	Advanced
echo_lvot_diam	Left ventricle outflow tract diameter - mid systolic	text (number), [cm]	Basic
echo_la_diam	Left ventricle diameter	text (number), [cm]	Basic
echo_ao_asc	Ascending aorta diameter	text (number), [cm]	Basic
echo_av_diam	Aortic valve diameter	text (number), [cm]	Basic
echo_rvidd	Right ventricle diameter – end diastole	text (number), [cm]	Basic
echo_rvot_diam	Right ventricle outflow track diameter - mid systolic	text (number), [cm]	Advanced
echo_ivc	Vena cava inferior	text (number), [mm]	Basic
echo_ao_diam_svals	Aortic Valsalva sinus diameter	text (number), [cm]	Basic
echo_mapse	Mitral annular plane systolic excursion	text (number), [cm]	Basic
echo_tapse	Tricuspid annular plane systolic excursion	text (number), [cm]	Basic
echo_mv_e_vel	Mitral valve early diastolic flow	text (number), [m/s]	Advanced
echo_mv_dect	Mitral valve deceleration time	text (number), [m/s]	Advanced
echo_mv_decslope	Mitral valve flow deceleration	text (number), [m/s ²]	Advanced
echo_mv_a_vel	Mitral Valve Deceleration Time	text (number), [m/s]	Advanced
echo_mv_ea_ratio	Mitral Valve E-Peak to A-Peak Ratio	text (number), [-]	Basic
echo_e	Peak myocardial velocity during early diastole - Mi septal	text (number), [m/s]	Advanced
echo_ee	Ratio early diastolic ow/ early diastolic peak velocity – Mi septal	text (number), [-]	Basic
echo_a	Peak myocardial velocity during late diastole - Mi septal	text (number), [m/s]	Advanced
echo_s	Systolic myocardial velocity - Mi septal	text (number), [m/s]	Advanced
echo_lat_e	Peak myocardial velocity during early diastole - Mi lateral	text (number), [m/s]	Advanced
echo_lat_a	Peak myocardial velocity during late diastole - Mi lateral	text (number), [m/s]	Advanced
echo_lat_s	Systolic myocardial velocity - Mi lateral	text (number), [m/s]	Advanced
echo_tri_e	Peak myocardial velocity during early diastole - Tri lateral	text (number), [m/s]	Advanced
echo_tri_a	Peak myocardial velocity during late diastole - Tri lateral	text (number), [m/s]	Advanced
echo_tri_s	Systolic myocardial velocity - Tri lateral	text (number), [m/s]	Advanced
echo_lvot_vmax	Left ventricle outflow tract peak velocity	text (number), [m/s]	Basic
echo_lvot_vmean	Left ventricle outflow tract mean velocity	text (number), [m/s]	Advanced

echo_lvot_maxpg	Left ventricle outflow tract peak pressure gradient	text (number), [mmHg]	Basic
echo_lvot_meanpg	Left ventricle outflow tract mean pressure gradient	text (number), [mmHg]	Advanced
echo_lvot_envti	Left ventricle outflow tract envelope time	text (number), [m·s]	Advanced
echo_lvot_vti	Left ventricle outflow tract velocity time integral	text (number), [cm]	Advanced
echo_lvsv_dopp	Left ventricle Strove volume doppler	calculation, [ml]	Advanced
echo_lvsi_dopp	Left ventricle Strove index doppler	calculation, [ml/m ²]	Advanced
echo_lvco_dopp	Left ventricle Cardiac output doppler	calculation, [l/min]	Advanced
echo_lvci_dopp	Left ventricle cardiac index doppler	calculation, [l/minm ²]	Advanced
echo_av_vmax	Aortic valve peak velocity	text (number), [m/s]	Basic
echo_av_vmean	Aortic valve mean velocity	text (number), [m/s]	Advanced
echo_av_maxpg	Aortic valve peak pressure gradient	text (number), [mmHg]	Basic
echo_av_meanpg	Aortic valve mean pressure gradient	text (number), [mmHg]	Advanced
echo_av_vti	Aortic valve velocity time integral	calculation, [cm]	Advanced
echo_av_sv	Aortic valve stroke volume	calculation, [ml]	Advanced
echo_av_si	Aortic valve stroke index	calculation, [ml/m ²]	Advanced
echo_av_co	Aortic valve cardiac output	calculation, [l/min]	Advanced
echo_av_ci	Aortic valve cardiac index	calculation, [l/minm ²]	Advanced
echo_ava_vmax	AV Area by Continuity Equation by Peak V	calculation, [cm ²]	Advanced
echo_ava_vti	AV Area by Continuity Equation VTI	calculation, [cm ²]	Advanced
echo_avai_vti	AV Area index by Continuity Equation VTI	calculation, [cm ² /m ²]	Advanced
echo_avai_vmax	AV Area index by Continuity Equation by Peak V	calculation, [cm ² /m ²]	Advanced
echo_pv_vmax	Pulmonic valve peak velocity	text (number), [m/s]	Advanced
echo_pv_maxpg	Pulmonic valve peak pressure gradient	text (number), [mmHg]	Advanced
echo_pv_acct	Pulmonic valve acceleration time	text (number), [m·s]	Advanced
echo_pv_accslope	Pulmonic Valve Acceleration Time	text (number), [m/s ²]	Advanced
echo_tr_vmax	Tricuspid regurgitation peak velocity	text (number), [m/s]	Basic
echo_tr_maxpg	Tricuspid regurgitation peak pressure gradient	text (number), [mmHg]	Basic
echo_rr	R-R interval	calculation, [m·s]	Advanced
echo_rap	Right atrium pressure	calculation, [mmHg]	Advanced
echo_rvsp	Right Ventricle Systolic Pressure	calculation, [mmHg]	Advanced

echo_lvld_a4c	Left Ventricular Length end diastole in 4ch projection	calculation, [cm]	Advanced
echo_lvedv_mod_a4c	Left ventricle end diastole volume by Method of Discs in 4Ch projection	calculation, [ml]	Advanced
echo_lvls_a4c	Left Ventricular Length end diastole in 4ch projection	calculation, [cm]	Advanced
echo_lvesv_mod_a4c	Left ventricle end systole volume by Method of Discs in 4Ch projection	calculation, [ml]	Advanced
echo_lvef_mod_a4c	Left ventricle ejection fraction by Method of Discs in 4Ch projection	calculation, [%]	Advanced
echo_sv_mod_a4c	Stroke volume by method of discs in 4ch projection	calculation, [ml]	Advanced
echo_lvld_a2c	Left Ventricular Length end diastole in 2ch projection	calculation, [cm]	Advanced
echo_lvedv_mod_a2c	Left ventricle end diastole volume by Method of Discs in 2Ch projection	calculation, [ml]	Advanced
echo_lvls_a2c	Left Ventricular Length end systole in 2ch projection	calculation, [cm]	Advanced
echo_lvesv_mod_a2c	Left ventricle end systole volume by Method of Discs in 2Ch projection	calculation, [ml]	Advanced
echo_lvef_mod_a2c	Left ventricle ejection fraction by Method of Discs in 2Ch projection	calculation, [%]	Advanced
echo_sv_mod_a2c	Stroke volume by method of discs in 2ch projection	calculation, [ml]	Advanced
echo_ef_biplane	Ejection fraction biplane (4CH and 2CH projection)	calculation, [%]	Advanced
echo_lvedv_mod_bp	Left ventricle end diastole volume by Method of Discs - biplane	calculation, [ml]	Advanced
echo_lvesv_mod_bp	Left ventricle end systole volume by Method of Discs - biplane	calculation, [ml]	Advanced
echo_notes	Notes	text	Basic

SUPPLEMENTARY TABLE FOR ECHOCARDIOGRAPHY VARIABLES

In this table are the exact numbers of cases for each echocardiography variables.

Variable	echo_hr	echo_ivsd	echo_lvidd	echo_edv_teich	echo_lvpwd	echo_lvd_mass
N	234	234	234	234	234	234
Variable	echo_lvd_mass_index	echo_lvd_mass_ase	echo_lvd_mass_ind_ase	echo_ivss	echo_ivs_thck	echo_lvids
N	234	230	229	233	234	234
Variable	echo_esv_teich	echo_ef_teich	echo_esv_cube	echo_ef_cube	echo_fs	echo_sv_teich
N	234	234	234	234	234	234
Variable	echo_si_teich	echo_sv_cube	echo_si_cube	echo_lvpws	echo_lvpw_thck	echo_lvs_mass
N	234	229	229	229	229	229
Variable	echo_lvs_mass_index	echo_lvs_mass_ase	echo_lvs_mass_ind_ase	echo_lvot_diam	echo_la_diam	echo_ao_asc
N	229	229	229	234	234	214
Variable	echo_av_diam	echo_rvidd	echo_rvot_diam	echo_ivc	echo_ao_diam_svals	echo_mapse
N	227	231	205	221	222	205
Variable	echo_tapse	echo_mv_e_vel	echo_mv_dect	echo_mv_decslope	echo_mv_a_vel	echo_mv_ea_ratio
N	197	231	229	228	228	229
Variable	echo_e	echo_ee	echo_a	echo_s	echo_lat_e	echo_lat_a
N	222	217	216	221	222	218
Variable	echo_lat_s	echo_tri_e	echo_tri_a	echo_tri_s	echo_lvot_vmax	echo_lvot_vmean
N	222	221	217	221	234	234
Variable	echo_lvot_maxpg	echo_lvot_meanpg	echo_lvot_envti	echo_lvot_vti	echo_lvsv_dopp	echo_lvsi_dopp
N	234	234	234	234	233	233
Variable	echo_lvco_dopp	echo_lvc_i_dopp	echo_av_vmax	echo_av_vmean	echo_av_maxpg	echo_av_meanpg
N	231	231	233	233	233	233
Variable	echo_av_vti	echo_av_sv	echo_av_si	echo_av_co	echo_av_ci	echo_ava_vmax
N	233	70	70	69	69	233
Variable	echo_ava_vti	echo_avai_vti	echo_avai_vmax	echo_pv_vmax	echo_pv_maxpg	echo_pv_acct
N	233	233	233	233	233	81
Variable	echo_pv_accslope	echo_tr_vmax	echo_tr_maxpg	echo_rr	echo_rap	echo_rvsp
N	81	234	234	231	217	214
Variable	echo_lvld_a4c	echo_lvedv_mod_a4c	echo_lvls_a4c	echo_lvesv_mod_a4c	echo_lvef_mod_a4c	echo_sv_mod_a4c
N	173	173	173	173	173	173
Variable	echo_lvld_a2c	echo_lvedv_mod_a2c	echo_lvls_a2c	echo_lvesv_mod_a2c	echo_lvef_mod_a2c	echo_sv_mod_a2c
N	163	163	163	163	163	163
Variable	echo_ef_biplane	echo_lvedv_mod_bp	echo_lvesv_mod_bp			
N	163	163	163			

13. Carotid ultrasound

232 case reports are available, 188 of it are filled completely.

Variable name	Parameter	Explanatory notes	Values	Type of data
ultrasound	Was the measurement performed?		1, Yes 2, No	Basic
ultrasound_1	If not, please, state why		text	Basic
u_rt_mid_cca_ps	Peak systolic flow Right ACC in mid area	ACC a-carotis communis	calculation, [%]	
u_rt_mid_cca_ed	End diastolic flow Right ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_mid_cca_md	Minimum diastolic Velocity of Right ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_mid_cca_tamax	Time Averaged Maximum Velocity (Trace Method) of Right ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_mid_cca_pi	Pulsatility Index of Right ACC in mid area	$PI = (V_{\max} - V_{\text{diastole}}) / TAMAX$, ACC a-carotis communis	calculation, [cm/s]	
u_rt_mid_cca_ri	Resistivity Index of Right ACC in mid area	$RI = (V_{\max} - V_{\text{diastole}}) / V_{\max}$, ACC a-carotis communis	calculation, [-]	
u_lt_mid_cca_ps	Peak systolic flow Left ACC in mid area	ACC a-carotis communis	calculation, [-]	
u_lt_mid_cca_ed	End diastolic flow Left ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_mid_cca_md	Minimum diastolic Velocity of Left ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_mid_cca_tamax	Time Averaged Maximum Velocity (Trace Method) of Left ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_mid_cca_pi	Pulsatility Index of Left ACC in mid area	$PI = (V_{\max} - V_{\text{diastole}}) / TAMAX$, ACC a-carotis communis	calculation, [cm/s]	
u_lt_mid_cca_ri	Resistivity Index of Left ACC in mid area	$RI = (V_{\max} - V_{\text{diastole}}) / V_{\max}$, ACC a-carotis communis	calculation, [-]	
u_rt_dist_cca_ps	Peak systolic flow Right ACC in Dist area	ACC a-carotis communis	calculation, [-]	
u_rt_dist_cca_ed	End diastolic flow Right ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_dist_cca_md	Minimum diastolic Velocity of Right ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_dist_cca_tamax	Time Averaged Maximum Velocity (Trace Method) of Right ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_rt_dist_cca_pi	Pulsatility Index of Right ACC in Dist area	$PI = (V_{\max} - V_{\text{diastole}}) / TAMAX$, ACC a-carotis communis	calculation, [cm/s]	

u_rt_dist_cca_ri	Resistivity Index of Right ACC in Dist area	$RI = (V_{\max} - V_{\text{diastole}}) / V_{\max}$, ACC a-carotis communis	calculation, [-]	
u_lt_dist_cca_ps	Peak systolic flow Left ACC in Dist area	ACC a-carotis communis	calculation, [-]	
u_lt_dist_cca_ed	End diastolic flow Left ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_dist_cca_md	Minimum diastolic Velocity of Left ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_dist_cca_tamax	Time Averaged Maximum Velocity (Trace Method) of Left ACC in Dist area	ACC a-carotis communis	calculation, [cm/s]	
u_lt_dist_cca_pi	Pulsatility Index of Left ACC in Dist area	$PI = (V_{\max} - V_{\text{diastole}}) / TAMAX$, ACC a-carotis communis	calculation, [cm/s]	
u_lt_dist_cca_ri	Resistivity Index of Left ACC in Dist area	$RI = (V_{\max} - V_{\text{diastole}}) / V_{\max}$, ACC a-carotis communis	calculation, [cm/s]	
u_rt_bulb_ps	Peak systolic flow Right Bulb	Bulb – Bulbus of a. Carotis comunnis	calculation, [cm/s]	
u_rt_bulb_ed	End diastolic flow Right Bulb	Bulb – Bulbus of a. Carotis comunnis	calculation, [cm/s]	
u_lt_bulb_ps	Peak systolic flow in Left Bulb	Bulb – Bulbus of a. Carotis comunnis	calculation, [cm/s]	
u_lt_bulb_ed	End diastolic flow in Left Bulb	Bulb – Bulbus of a. Carotis comunnis	calculation, [cm/s]	
u_rt_cfa_ps	Peak systolic flow in Right CFA	CFA - A.femoralis communis	calculation, [cm/s]	
u_rt_cfa_ed	End diastolic flow in Right CFA	CFA - A.femoralis communis	calculation, [cm/s]	
u_lt_cfa_ps	Peak systolic flow in Left CFA	CFA - A.femoralis communis	calculation, [cm/s]	
u_lt_cfa_ed	End diastolic flow in Left CFA	CFA - A.femoralis communis	calculation, [cm/s]	
u_rt_dfa_ps	Peak systolic flow in Right DFA	DFA - A.femoralis profunda	calculation, [cm/s]	
u_rt_dfa_ed	End diastolic flow in Right DFA	DFA - A.femoralis profunda	calculation, [cm/s]	
u_lt_dfa_ps	Peak systolic flow in Left DFA	DFA - A.femoralis profunda	calculation, [cm/s]	
u_lt_dfa_ed	End diastolic flow in Left DFA	DFA - A.femoralis profunda	calculation, [cm/s]	
u_rt_sfa_ps	Peak systolic flow in Right SFA	SFA - A.femoralis superficialis	calculation, [cm/s]	
u_rt_sfa_ed	End diastolic flow in Right SFA	SFA - A.femoralis superficialis	calculation, [cm/s]	
u_lt_sfa_ps	Peak systolic flow in Left SFA	SFA - A.femoralis superficialis	calculation, [cm/s]	
u_lt_sfa_ed	Peak systolic flow Right ACC in mid area	ACC a-carotis communis	calculation, [cm/s]	

u_rt_cca_bp	Number of ROI points included in IMT measurement in Dist area of Right CCA	ROI – region of interest	measured, [-]	
u_rt_cca_avg	Averaged IMT thickness in Dist area of Right CCA	IMT – intima media thickness	calculation, [mm]	
u_rt_cca_sd	Standard deviation of IMT measurement in Dist area of Right CCA	IMT – intima media thickness	calculation, [mm]	
u_rt_cca_pts	Number of ROI points included in IMT measurement in Dist area of Left CCA	ROI – region of interest	measured, [-]	
u_lt_cca_bp	Averaged IMT thickness in Dist area of Left CCA	IMT – intima media thickness	calculation, [mm]	
u_lt_cca_avg	Standard deviation of IMT measurement in Dist area of Left CCA	IMT – intima media thickness	calculation, [mm]	
u_lt_cca_sd	Number of ROI points included in IMT measurement in Dist area of Right CFA	ROI – region of interest	measured, [-]	
u_lt_cca_pts	Averaged IMT thickness in Dist area of Right CFA	IMT – intima media thickness	calculation, [mm]	
u_rt_cfa_bp	Standard deviation of IMT measurement in Dist area of Right CFA	IMT – intima media thickness	calculation, [mm]	
u_rt_cfa_avg	Number of ROI points included in IMT measurement in Prox area of Right SFA	ROI – region of interest	measured, [-]	
u_rt_cfa_sd	Averaged IMT thickness in Prox area of Right SFA	IMT – intima media thickness	calculation, [mm]	
u_rt_cfa_pts	Standard deviation of IMT measurement in Prox area of Right SFA	IMT – intima media thickness	calculation, [mm]	
u_lt_cfa_bp	Number of ROI points included in IMT measurement in Dist area of Left CFA	ROI – region of interest	measured, [-]	
u_lt_cfa_avg	Averaged IMT thickness in Dist area of Left CFA	IMT – intima media thickness	calculation, [mm]	
u_lt_cfa_sd	Standard deviation of IMT measurement in Dist area of Left CFA	IMT – intima media thickness	calculation, [mm]	
u_lt_cfa_pts	Number of ROI points included in IMT measurement in Prox area of Left SFA	ROI – region of interest	measured, [-]	

Next two chapters are still in process and the data from these chapters will be available later.

BVI scener

Variable name	Parameter	Explanatory notes	Values	Type of data
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EKG

Variable name	Parameter	Values	Type of data
ekg	Was the measurement performed?	1, Yes 2, No	Basic
ekg_1	If not, please, state why	text	
ekg_date	Date of examination	Date	
ekg_avg_rr	Average Respiratory Rate	numeric	
ekg_vent_rate	Vent rate	numeric	
ekg_num_qrs	Num QRS	numeric	
ekg_p_dur	P duration	numeric	
ekg_pr_dur	PR duration	numeric	
ekg_qrs_dur	QRS duration	numeric	
ekg_qt	QT	numeric	
ekg_qtc	QTC	numeric	
ekg_qtb	QTB	numeric	
ekg_qtf	QTF	numeric	
ekg_pax	P axis	numeric	
ekg_qrsax	QRS axis	numeric	
ekg_tax	T axis	numeric	
ekg_unit_mv	Units per mv	numeric	
ekg_dur	Duration	numeric	
ekg_sample_fr	Sample frequency	numeric	
ekg_text1	Automatic Mortara evaluation 1	text	
ekg_reason1	Reason why 1	text	
ekg_text2	Automatic Mortara evaluation 2	text	
ekg_reason2	Reason why 2	text	
ekg_text3	Automatic Mortara evaluation 3	text	
ekg_reason3	Reason why 3	text	
ekg_text4	Automatic Mortara evaluation 4	text	
ekg_reason4	Reason why 4	text	

3. Results from analyses

In this chapter are variables from analyses that were performed with the Kardiovize Data.

The name of the analysis, the name of the researcher, and any outputs of the project (if are available) are given for each analysis.

1. Lipidomic Analysis

Irma Magaly Rivas Serna, April 2020

Lipidomic analysis were performed in the Relative values (mass spectrometry response of each individual lipid was used and converted to percentage) and in the Absolute values (A standard curve was run and values are expressed as concentration/volume of serum blood (mol/L)).

212 complete cases reports are available.

NOMENCLATURE:

SM = Sphingomyelin, CER = Ceramide, LPE = Lysophosphatidylethanolamine, LPC = Lysophosphatidylcholine, PC = Phosphatidylcholine, PE = Phosphatidylethanolamine

Variable name	Parameter	Explanatory notes	Values	Type of data
	Absolute values			
lipid_check	Was the Lipidomic analysis performed?		1, Yes 2, No	Basic
lip_abs_cer_1	CER (d18:1/16:0)		text (number) [μmol]	Advanced
lip_abs_cer_2	CER (d18:1/18:0)		text (number) [μmol]	Advanced
lip_abs_cer_3	CER (d18:1/24:0)		text (number) [μmol]	Advanced
lip_abs_cer_4	CER (d18:1/24:1)		text (number) [μmol]	Advanced
lip_abs_cer_total	TOTAL SUM OF CER		text (number) [μmol]	Advanced
lip_abs_sm_1	SM (d18:1/14:0)		text (number) [μmol]	Advanced
lip_abs_sm_2	SM (d18:1/16:0)		text (number) [μmol]	Advanced
lip_abs_sm_3	SM (d18:1/18:0)		text (number) [μmol]	Advanced
lip_abs_sm_4	SM (d18:1/18:1)		text (number) [μmol]	Advanced
lip_abs_sm_5	SM (d18:1/20:0)		text (number) [μmol]	Advanced
lip_abs_sm_6	SM (d18:1/20:1)		text (number) [μmol]	Advanced
lip_abs_sm_7	SM (d18:1/22:1)		text (number) [μmol]	Advanced

lip_abs_sm_8	SM (d18:1/24:0)		text (number) [μmol]	Advanced
lip_abs_sm_9	SM (d18:1/24:1)		text (number) [μmol]	Advanced
lip_abs_sm_10	SM (d18:1/26:1)		text (number) [μmol]	Advanced
lip_abs_sm_total	TOTAL SUM OF SM		text (number) [μmol]	Advanced
lip_abs_lpe_1	LPE (16:0)		text (number) [μmol]	Advanced
lip_abs_lpe_2	LPE (16:1)		text (number) [μmol]	Advanced
lip_abs_lpe_3	LPE (18:0)		text (number) [μmol]	Advanced
lip_abs_lpe_4	LPE (18:1)		text (number) [μmol]	Advanced
lip_abs_lpe_5	LPE (18:2)		text (number) [μmol]	Advanced
lip_abs_lpe_6	LPE (18:3)		text (number) [μmol]	Advanced
lip_abs_lpe_7	LPE (20:0)		text (number) [μmol]	Advanced
lip_abs_lpe_8	LPE (20:1)		text (number) [μmol]	Advanced
lip_abs_lpe_9	LPE (20:2)		text (number) [μmol]	Advanced
lip_abs_lpe_10	LPE (20:3)		text (number) [μmol]	Advanced
lip_abs_lpe_11	LPE (20:4)		text (number) [μmol]	Advanced
lip_abs_lpe_12	LPE (20:5)		text (number) [μmol]	Advanced
lip_abs_lpe_13	LPE (22:4)		text (number) [μmol]	Advanced
lip_abs_lpe_14	LPE (22:5)		text (number) [μmol]	Advanced
lip_abs_lpe_15	LPE (22:6)		text (number) [μmol]	Advanced
lip_abs_lpe_total	TOTAL SUM OF LPE		text (number) [μmol]	Advanced
lip_abs_lpc_1	LPC (14:0)		text (number) [μmol]	Advanced
lip_abs_lpc_2	LPC (16:0)		text (number) [μmol]	Advanced
lip_abs_lpc_3	LPC (16:1)		text (number) [μmol]	Advanced
lip_abs_lpc_4	LPC (18:0)		text (number) [μmol]	Advanced
lip_abs_lpc_5	LPC (18:1)		text (number) [μmol]	Advanced
lip_abs_lpc_6	LPC (18:2)		text (number) [μmol]	Advanced
lip_abs_lpc_7	LPC (18:3)		text (number) [μmol]	Advanced
lip_abs_lpc_8	LPC (20:0)		text (number) [μmol]	Advanced
lip_abs_lpc_9	LPC (20:1)		text (number) [μmol]	Advanced
lip_abs_lpc_10	LPC (20:2)		text (number) [μmol]	Advanced

lip_abs_lpc_11	LPC (20:3)		text (number) [μmol]	Advanced
lip_abs_lpc_12	LPC (20:4)		text (number) [μmol]	Advanced
lip_abs_lpc_13	LPC (20:5)		text (number) [μmol]	Advanced
lip_abs_lpc_14	LPC (22:4)		text (number) [μmol]	Advanced
lip_abs_lpc_15	LPC (22:5)		text (number) [μmol]	Advanced
lip_abs_lpc_16	LPC (22:6)		text (number) [μmol]	Advanced
lip_abs_lpc_17	LPC (22:0)		text (number) [μmol]	Advanced
lip_abs_lpc_total	TOTAL SUM OF LPC		text (number) [μmol]	Advanced
lip_abs_pc_1	PC (14:1/14:1)		text (number) [μmol]	Advanced
lip_abs_pc_2	PC (16:0/14:0)		text (number) [μmol]	Advanced
lip_abs_pc_3	PC (16:0/16:1)		text (number) [μmol]	Advanced
lip_abs_pc_4	PC (16:0/18:0)		text (number) [μmol]	Advanced
lip_abs_pc_5	PC (16:0/18:1)		text (number) [μmol]	Advanced
lip_abs_pc_6	PC (16:0/18:2)		text (number) [μmol]	Advanced
lip_abs_pc_7	PC (16:0/20:2)		text (number) [μmol]	Advanced
lip_abs_pc_8	PC (16:0/20:5)		text (number) [μmol]	Advanced
lip_abs_pc_9	PC (16:0/22:4)		text (number) [μmol]	Advanced
lip_abs_pc_10	PC (16:1/18:2)		text (number) [μmol]	Advanced
lip_abs_pc_11	PC (18:0/14:0)		text (number) [μmol]	Advanced
lip_abs_pc_12	PC (18:0/18:0)		text (number) [μmol]	Advanced
lip_abs_pc_13	PC (18:0/20:0)		text (number) [μmol]	Advanced
lip_abs_pc_14	PC (18:0/20:1)		text (number) [μmol]	Advanced
lip_abs_pc_15	PC (18:0/20:2)		text (number) [μmol]	Advanced
lip_abs_pc_16	PC (18:0/20:3)		text (number) [μmol]	Advanced
lip_abs_pc_17	PC (18:0/20:5)		text (number) [μmol]	Advanced
lip_abs_pc_18	PC (18:0/22:4)		text (number) [μmol]	Advanced
lip_abs_pc_19	PC (18:1/18:2)		text (number) [μmol]	Advanced
lip_abs_pc_20	PC (18:1/18:3)		text (number) [μmol]	Advanced
lip_abs_pc_21	PC (18:1/20:5)		text (number) [μmol]	Advanced
lip_abs_pc_22	PC (18:1/22:4)		text (number) [μmol]	Advanced

lip_abs_pc_23	PC (18:1/22:5)		text (number) [μmol]	Advanced
lip_abs_pc_24	PC (18:2/20:5)		text (number) [μmol]	Advanced
lip_abs_pc_25	PC (18:2/22:5)		text (number) [μmol]	Advanced
lip_abs_pc_26	PC (18:2/22:6)		text (number) [μmol]	Advanced
lip_abs_pc_27	PC (20:0/20:1)		text (number) [μmol]	Advanced
lip_abs_pc_28	PC (20:0/20:2)		text (number) [μmol]	Advanced
lip_abs_pc_29	PC (20:0/20:3)		text (number) [μmol]	Advanced
lip_abs_pc_30	PC (20:0/22:4)		text (number) [μmol]	Advanced
lip_abs_pc_31	PC (20:0/22:5)		text (number) [μmol]	Advanced
lip_abs_pc_32	PC (20:0/22:6)		text (number) [μmol]	Advanced
lip_abs_pc_total	TOTAL SUM OF PC		text (number) [μmol]	Advanced
lip_abs_pe_1	PE (16:0/16:0)		text (number) [μmol]	Advanced
lip_abs_pe_2	PE (16:0/16:1)		text (number) [μmol]	Advanced
lip_abs_pe_3	PE (16:0/18:1)		text (number) [μmol]	Advanced
lip_abs_pe_4	PE (16:0/18:2)		text (number) [μmol]	Advanced
lip_abs_pe_5	PE (16:0/20:1)		text (number) [μmol]	Advanced
lip_abs_pe_6	PE (16:0/20:2)		text (number) [μmol]	Advanced
lip_abs_pe_7	PE (16:0/20:3)		text (number) [μmol]	Advanced
lip_abs_pe_8	PE (18:0/16:0)		text (number) [μmol]	Advanced
lip_abs_pe_9	PE (18:0/18:0)		text (number) [μmol]	Advanced
lip_abs_pe_10	PE (18:0/18:2)		text (number) [μmol]	Advanced
lip_abs_pe_11	PE (18:0/20:5)		text (number) [μmol]	Advanced
lip_abs_pe_12	PE (18:0/22:4)		text (number) [μmol]	Advanced
lip_abs_pe_13	PE (18:1/20:1)		text (number) [μmol]	Advanced
lip_abs_pe_14	PE (18:1/22:4)		text (number) [μmol]	Advanced
lip_abs_pe_15	PE (18:1/22:6)		text (number) [μmol]	Advanced
lip_abs_pe_16	PE (18:2/16:1)		text (number) [μmol]	Advanced
lip_abs_pe_17	PE (18:2/18:2)		text (number) [μmol]	Advanced
lip_abs_pe_18	PE (18:2/18:3)		text (number) [μmol]	Advanced
lip_abs_pe_19	PE (18:2/20:1)		text (number) [μmol]	Advanced

lip_abs_pe_20	PE (18:2/20:2)		text (number) [μmol]	Advanced
lip_abs_pe_21	PE (18:2/20:4)		text (number) [μmol]	Advanced
lip_abs_pe_22	PE (18:2/20:5)		text (number) [μmol]	Advanced
lip_abs_pe_23	PE (18:2/22:6)		text (number) [μmol]	Advanced
lip_abs_pe_total	TOTAL SUM OF PE		text (number) [μmol]	Advanced
	Relative value			
lip_rel_sm_1	SM (d18:1/14:0)		text (number)	Advanced
lip_rel_sm_2	SM (d18:1/16:0)		text (number)	Advanced
lip_rel_sm_3	SM (d18:1/18:0)		text (number)	Advanced
lip_rel_sm_4	SM (d18:1/18:1)		text (number)	Advanced
lip_rel_sm_5	SM (d18:1/20:0)		text (number)	Advanced
lip_rel_sm_6	SM (d18:1/20:1)		text (number)	Advanced
lip_rel_sm_7	SM (d18:1/22:1)		text (number)	Advanced
lip_rel_sm_8	SM (d18:1/24:0)		text (number)	Advanced
lip_rel_sm_9	SM (d18:1/24:1)		text (number)	Advanced
lip_rel_sm_10	SM (d18:1/26:1)		text (number)	Advanced
lip_rel_sm_total	SM TOTAL	100% of SM	text (number)	Advanced
lip_rel_cer_1	CER (d18:1/14:0)		text (number)	Advanced
lip_rel_cer_2	CER (d18:1/16:0)		text (number)	Advanced
lip_rel_cer_3	CER (d18:1/18:0)		text (number)	Advanced
lip_rel_cer_4	CER (d18:1/20:0)		text (number)	Advanced
lip_rel_cer_5	CER (d18:1/20:1)		text (number)	Advanced
lip_rel_cer_6	CER (d18:1/22:0)		text (number)	Advanced
lip_rel_cer_7	CER (d18:1/22:1)		text (number)	Advanced
lip_rel_cer_8	CER (d18:1/24:0)		text (number)	Advanced
lip_rel_cer_9	CER (d18:1/24:1)		text (number)	Advanced
lip_rel_cer_10	CER (d18:1/26:0)		text (number)	Advanced
lip_rel_cer_11	CER (d18:1/26:1)		text (number)	Advanced
lip_rel_cer_total	CER TOTAL	100% of CER	text (number)	Advanced
lip_rel_lpe_1	LPE (16:0)		text (number)	Advanced

lip_rel_lpe_2	LPE (16:1)		text (number)	Advanced
lip_rel_lpe_3	LPE (18:0)		text (number)	Advanced
lip_rel_lpe_4	LPE (18:1)		text (number)	Advanced
lip_rel_lpe_5	LPE (18:2)		text (number)	Advanced
lip_rel_lpe_6	LPE (18:3)		text (number)	Advanced
lip_rel_lpe_7	LPE (20:0)		text (number)	Advanced
lip_rel_lpe_8	LPE (20:1)		text (number)	Advanced
lip_rel_lpe_9	LPE (20:2)		text (number)	Advanced
lip_rel_lpe_10	LPE (20:3)		text (number)	Advanced
lip_rel_lpe_11	LPE (20:4)		text (number)	Advanced
lip_rel_lpe_12	LPE (20:5)		text (number)	Advanced
lip_rel_lpe_13	LPE (22:4)		text (number)	Advanced
lip_rel_lpe_14	LPE (22:5)		text (number)	Advanced
lip_rel_lpe_15	LPE (22:6)		text (number)	Advanced
lip_rel_lpe_total	LPE TOTAL	100% of LPE	text (number)	Advanced
lip_rel_lpc_1	LPC (14:0)		text (number)	Advanced
lip_rel_lpc_2	LPC (16:0)		text (number)	Advanced
lip_rel_lpc_3	LPC (16:1)		text (number)	Advanced
lip_rel_lpc_4	LPC (18:0)		text (number)	Advanced
lip_rel_lpc_5	LPC (18:1)		text (number)	Advanced
lip_rel_lpc_6	LPC (18:2)		text (number)	Advanced
lip_rel_lpc_7	LPC (18:3)		text (number)	Advanced
lip_rel_lpc_8	LPC (20:0)		text (number)	Advanced
lip_rel_lpc_9	LPC (20:1)		text (number)	Advanced
lip_rel_lpc_10	LPC (20:2)		text (number)	Advanced
lip_rel_lpc_11	LPC (20:3)		text (number)	Advanced
lip_rel_lpc_12	LPC (20:4)		text (number)	Advanced
lip_rel_lpc_13	LPC (20:5)		text (number)	Advanced
lip_rel_lpc_14	LPC (22:4)		text (number)	Advanced
lip_rel_lpc_15	LPC (22:5)		text (number)	Advanced

lip_rel_lpc_16	LPC (22:6)		text (number)	Advanced
lip_rel_lpc_17	LPC (22:0)		text (number)	Advanced
lip_rel_lpc_total	LPC TOTAL	100% of LPC	text (number)	Advanced
lip_rel_pc_1	PC (14:1/14:1)		text (number)	Advanced
lip_rel_pc_2	PC (16:0/14:0)		text (number)	Advanced
lip_rel_pc_3	PC (16:0/16:1)		text (number)	Advanced
lip_rel_pc_4	PC (16:0/18:0)		text (number)	Advanced
lip_rel_pc_5	PC (16:0/18:1)		text (number)	Advanced
lip_rel_pc_6	PC (16:0/18:2)		text (number)	Advanced
lip_rel_pc_7	PC (16:0/20:2)		text (number)	Advanced
lip_rel_pc_8	PC (16:0/20:5)		text (number)	Advanced
lip_rel_pc_9	PC (16:0/22:4)		text (number)	Advanced
lip_rel_pc_10	PC (16:1/18:2)		text (number)	Advanced
lip_rel_pc_11	PC (18:0/14:0)		text (number)	Advanced
lip_rel_pc_12	PC (18:0/18:0)		text (number)	Advanced
lip_rel_pc_13	PC (18:0/20:0)		text (number)	Advanced
lip_rel_pc_14	PC (18:0/20:1)		text (number)	Advanced
lip_rel_pc_15	PC (18:0/20:2)		text (number)	Advanced
lip_rel_pc_16	PC (18:0/20:3)		text (number)	Advanced
lip_rel_pc_17	PC (18:0/20:5)		text (number)	Advanced
lip_rel_pc_18	PC (18:0/22:4)		text (number)	Advanced
lip_rel_pc_19	PC (18:1/18:2)		text (number)	Advanced
lip_rel_pc_20	PC (18:1/18:3)		text (number)	Advanced
lip_rel_pc_21	PC (18:1/20:5)		text (number)	Advanced
lip_rel_pc_22	PC (18:1/22:4)		text (number)	Advanced
lip_rel_pc_23	PC (18:1/22:5)		text (number)	Advanced
lip_rel_pc_24	PC (18:2/20:5)		text (number)	Advanced
lip_rel_pc_25	PC (18:2/22:5)		text (number)	Advanced
lip_rel_pc_26	PC (18:2/22:6)		text (number)	Advanced
lip_rel_pc_27	PC (20:0/20:1)		text (number)	Advanced

lip_rel_pc_28	PC (20:0/20:2)		text (number)	Advanced
lip_rel_pc_29	PC (20:0/20:3)		text (number)	Advanced
lip_rel_pc_30	PC (20:0/22:4)		text (number)	Advanced
lip_rel_pc_31	PC (20:0/22:5)		text (number)	Advanced
lip_rel_pc_32	PC (20:0/22:6)		text (number)	Advanced
lip_rel_pc_total	PC TOTAL	100% of PC	text (number)	Advanced
lip_rel_pe_1	PE (16:0/16:0)		text (number)	Advanced
lip_rel_pe_2	PE (16:0/16:1)		text (number)	Advanced
lip_rel_pe_3	PE (16:0/18:1)		text (number)	Advanced
lip_rel_pe_4	PE (16:0/18:2)		text (number)	Advanced
lip_rel_pe_5	PE (16:0/20:1)		text (number)	Advanced
lip_rel_pe_6	PE (16:0/20:2)		text (number)	Advanced
lip_rel_pe_7	PE (16:0/20:3)		text (number)	Advanced
lip_rel_pe_8	PE (18:0/16:0)		text (number)	Advanced
lip_rel_pe_9	PE (18:0/18:0)		text (number)	Advanced
lip_rel_pe_10	PE (18:0/18:2)		text (number)	Advanced
lip_rel_pe_11	PE (18:0/20:5)		text (number)	Advanced
lip_rel_pe_12	PE (18:0/22:4)		text (number)	Advanced
lip_rel_pe_13	PE (18:1/20:1)		text (number)	Advanced
lip_rel_pe_14	PE (18:1/22:4)		text (number)	Advanced
lip_rel_pe_15	PE (18:1/22:6)		text (number)	Advanced
lip_rel_pe_16	PE (18:2/16:1)		text (number)	Advanced
lip_rel_pe_17	PE (18:2/18:2)		text (number)	Advanced
lip_rel_pe_18	PE (18:2/18:3)		text (number)	Advanced
lip_rel_pe_19	PE (18:2/20:1)		text (number)	Advanced
lip_rel_pe_20	PE (18:2/20:2)		text (number)	Advanced
lip_rel_pe_21	PE (18:2/20:4)		text (number)	Advanced
lip_rel_pe_22	PE (18:2/20:5)		text (number)	Advanced
lip_rel_pe_23	PE (18:2/22:6)		text (number)	Advanced
lip_rel_pe_total	PE TOTAL	100% of PE	text (number)	Advanced

lip_rel_total_sm	TOTAL SM =	Percentage of SM from the total amount	text (number)	Advanced
lip_rel_total_cer	TOTAL CER	Percentage of CER from the total amount	text (number)	Advanced
lip_rel_total_lpe	TOTAL LPE	Percentage of LPE from the total amount	text (number)	Advanced
lip_rel_total_lpc	TOTAL LPC	Percentage of LPC from the total amount	text (number)	Advanced
lip_rel_total_pc	TOTAL PC	Percentage of PC from the total amount	text (number)	Advanced
lip_rel_total_pe	TOTAL PE	Percentage of PE from the total amount	text (number)	Advanced
lip_rel_total_all	TOTAL	Total amount	text (number)	Advanced
	Ceramides Ratio			
lip_cer_ratio_1	CER (d18:1/16:0)/(d18:1/24:0)		text (number)	Advanced
lip_cer_ratio_2	CER (d18:1/18:0)/(d18:1/24:0)		text (number)	Advanced
lip_cer_ratio_3	CER (d18:1/24:1)/(d18:1/24:0)		text (number)	Advanced
lip_cer_ratio_4	CER (d18:1/14:0)		text (number) [nmol/l]	Advanced
lip_cer_ratio_5	CER (d18:1/20:0)		text (number) [nmol/l]	Advanced
lip_cer_ratio_6	CER (d18:1/20:1)		text (number) [nmol/l]	Advanced
lip_cer_ratio_7	CER (d18:1/22:0)		text (number) [nmol/l]	Advanced
lip_cer_ratio_8	CER (d18:1/22:1)		text (number) [nmol/l]	Advanced
lip_cer_ratio_9	CER (d18:1/26:0)		text (number) [nmol/l]	Advanced
lip_cer_ratio_10	CER (d18:1/26:1)		text (number) [nmol/l]	Advanced

2. HBM4U

Dr. Geraldo Neto

212 complete cases are available.

Variable name	Parameter	LOD (ng/ml)	LOQ (ng/ml)	Values	Unit	Type of data
pfpa	PFPA	0.01	0.04	text (number)	[ug/l]	Advanced
pfhxa	PFHxA	0.01	0.04	text (number)	[ug/l]	Advanced
pfhpa	PFHpA	0.01	0.03	text (number)	[ug/l]	Advanced
pfoa	PFOA	0.02	0.07	text (number)	[ug/l]	Advanced
pfna	PFNA	0.004	0.012	text (number)	[ug/l]	Advanced
pfda	PFDA	0.004	0.01	text (number)	[ug/l]	Advanced
pfunda	PFUnDA	0.004	0.012	text (number)	[ug/l]	Advanced
pfdoda	PFDoDA	0.005	0.016	text (number)	[ug/l]	Advanced
pfbs	PFBS	0.01	0.016	text (number)	[ug/l]	Advanced
pfhxs	PFHxS	0.004	0.014	text (number)	[ug/l]	Advanced
pfhps	PFHpS	0.005	0.04	text (number)	[ug/l]	Advanced
pfos	PFOS	0.03	0.014	text (number)	[ug/l]	Advanced

4. Calculated variables

This chapter contains the variables calculated by the definitions.

1. Cardiovascular Health Index

Table 1. Definition of cardiovascular health metrics.

Metric	Definition
Body mass index	Ideal $<25 \text{ kg/m}^2$ Intermediate $25\text{--}29.9 \text{ kg/m}^2$ Poor $\geq 30 \text{ kg/m}^2$
Physical activity	Ideal $\geq 150 \text{ min/week moderate, } \geq 75 \text{ min/week vigorous or } \geq 150 \text{ min/week moderate} + \text{vigorous}$ Intermediate $1\text{--}149 \text{ min/week moderate or } 1\text{--}74 \text{ min/week vigorous or } 1\text{--}149 \text{ min/week moderate} + \text{vigorous}$ Poor None
Smoking status	Ideal Never or quit $>12 \text{ months}$ Intermediate Former $\leq 12 \text{ months}$ Poor Current
Healthy diet score	Ideal 4–5 Components Intermediate 2–3 Components Poor 0–1 Component Components defined as <ul style="list-style-type: none">• $\geq 4.5 \text{ cups/day of fruits and vegetables: approximated as } \geq 4.5 \text{ servings/day}$• $\geq 2 \text{ 3.5 oz servings/week of fish}$• $\geq 3 \text{ 1 oz. servings/day of whole grains: approximated as } \geq 3 \text{ servings/day}$• $< 1500 \text{ mg/day of sodium a day}$• $\leq 450 \text{ kcal or } 36 \text{ oz/week of sweets/sugar sweetened beverages}$
Blood pressure	Ideal SBP <120 and DBP $<80 \text{ mmHg}$, without medication or physician diagnosis of hypertension Intermediate SBP $120\text{--}139$ or DBP $80\text{--}89 \text{ mmHg}$, or treated to $<120/ <80 \text{ mmHg}$ Poor SBP ≥ 140 or DBP $\geq 90 \text{ mmHg}$
Total cholesterol	Ideal $<5.17 \text{ mmol/l}$, not on lipid lowering prescription medications Intermediate $5.17\text{--}6.18 \text{ mmol/l}$, or treated to $<5.17 \text{ mmol/l}$ Poor $\geq 6.19 \text{ mmol/l}$
Glucose	Ideal $<5.55 \text{ mmol/l}$, not on glucose-lowering medication or having a diagnosis of diabetes Intermediate $5.55\text{--}6.94 \text{ mmol/l}$, or treated to $<5.55 \text{ mmol/l}$ Poor $\geq 6.95 \text{ mmol/l}$

SBP: systolic blood pressure; DBP: diastolic blood pressure.

1 oz represents approximately 28.4 g.

262 complete cases reports are available.

Variable name	Parameter	Explanatory notes	Values	Type of data
cvh_smoke	Healthy metric Smoking score	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_bmi_2	Body Mass Index category	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_pa	Physical activity	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_fast_ser_gl	Fasting serum glucose	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_tot_chol	Total cholesterol	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_bp	Blood pressure	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
cvh_hds	Healthy diet score	Ideal = 1 Intermediate = 0.5 Poor = 0	text (number)	Advanced
	Cardiovascular health index			
cvh_total	TOTAL CVH index score	Sum of all healthy metrics	text (number), Min = 0, Max = 7	Advanced

2. Diabetes Mellitus

Variable name	Parameter	Definition	Values
calc_diabetes2	Prediabetes <i>ADA criteria (2021), ESC guidelines (2023)</i>	<ol style="list-style-type: none"> 1. FPG 100 mg/dL (5.6 mmol/L) to 125 mg/dL (6.9 mmol/L) (IFG) AND 2. Without medication AND 3. Exclude diabetes 	1, present 0, absent
calc_diabetes	Diabetes Mellitus	<ol style="list-style-type: none"> 1. FPG ≥ 126 mg/dL (glucose ≥ 7.0 mmol/L). Fasting is defined as no caloric intake for at least 8 h. OR 2. self-report of diabetes OR 3. using antidiabetic drugs or insulin 	1, present 0, absent
calc_diabetes3	Diabetes Mellitus - controlled	<ol style="list-style-type: none"> 1. Personal history of diabetes AND 2. Fasting blood glucose lower than 130 mg/dL (7.0 mmol) 	1, present 0, absent
calc_cvd_dm	Cardiovascular Disease for Diabetes	<ol style="list-style-type: none"> 1. Self-report of Angina pectoris/ ischemic heart OR 2. Self-report of Stroke OR 3. Self-report of Heart attack OR 4. Self-report of Percutaneous coronary intervention OR 5. Self-report of Coronary artery bypass grafting OR 6. Self-report of Peripheral arterial disease OR 7. Presence of Chronic Kidney disease defined as eGRF < 60 ml/min/173m² (1 ml/s/173m²) OR 8. Microalbuminuria defined as ACR ≥ 30 mg albumine/g creatinine (3.39 mg/mmol) 	1, present 0, absent

3. Hypertension

Variable name	Parameter	Definition	Values
calc_hyper	Hypertension	<ol style="list-style-type: none"> Office SBP values ≥ 140 mmHg OR diastolic BP (DBP) values ≥ 90 mmHg OR self-reported previous diagnosis of hypertension OR using prescribed medicine to lower blood pressure. 	1, present 0, absent
calc_hyper_treat	Hypertension – treated	<ol style="list-style-type: none"> the response “yes” to the question, Have you used antihypertensive drugs during the last two weeks?" OR using prescribed medicine to lower blood pressure 	1, present 0, absent
calc_hyper_aware	Hypertension - aware	<ol style="list-style-type: none"> Self-reported previous diagnosis of hypertension, OR " We assumed that all those who were “treated” were also “aware” 	1, present 0, absent
calc_hyper_treat_cont	Hypertension – treated and controlled	<ol style="list-style-type: none"> “Treated” AND Having mean systolic BP < 140 mm Hg per the office BP measurement AND Diastolic BP < 90 mmHg per the office BP measurement 	1, present 0, absent
calc_hyper_treat_cont2	Hypertension – treated and controlled (130/80)	<ol style="list-style-type: none"> “Treated” AND Having mean systolic BP < 130 mm Hg per the office BP measurement AND Diastolic BP < 80 mmHg per the office BP measurement 	1, present 0, absent

4. Variables Calculated Based on Kardiovize Definitions

Variable name	Parameter	Definition	Values
calc_smoke	Smoking category	<ol style="list-style-type: none"> 1. <u>Current smoker</u>: Smoking daily, less than daily or occasionally OR having stop smoking less than year ago 2. <u>Past smoker</u>: Having stopped smoking at least a year ago 3. <u>Never smoker</u>: Smoked less than 100 cigarettes in a lifetime 	<ol style="list-style-type: none"> 1, Current smoker 2, Past smoker 3, Never smoker
calc_physcat	Physical Activity category	<ol style="list-style-type: none"> 1. Definition according to official guideline: https://ugc.futurelearn.com/uploads/files/bc/c5/bcc53b14-ec1e-4d90-88e3-1568682f32ae/IPAQ_PDF.pdf 	<ol style="list-style-type: none"> 1, Low physical activity 2, Moderate physical activity 3, High physical activity
calc_ph_isch	Personal History of Ischaemic heart disease	<ol style="list-style-type: none"> 1. Self-report of Angina pectoris/ ischemic heart OR 2. Self-report of Heart attack OR 3. Self-report of Percutaneous coronary intervention OR 4. Self-report of Coronary artery bypass grafting) 	<ol style="list-style-type: none"> 0, Absent 1, Present
calc_pad	Personal History of Peripheral arterial disease	<ol style="list-style-type: none"> 1. Self-report of Peripheral arterial disease 	<ol style="list-style-type: none"> 0, Absent 1, Present
calc_ph_cvd	Personal history of CVD:	<ol style="list-style-type: none"> 1. Self-report of Angina pectoris/ ischemic heart OR 2. Self-report of Stroke OR 3. Self-report of Heart attack OR 4. Self-report of Percutaneous coronary intervention OR 5. Self-report of Coronary artery bypass grafting OR 6. Self-report of Cardiac failure OR 7. Self-report of Peripheral arterial disease 	<ol style="list-style-type: none"> 0, Absent 1, Present
calc_kidney	Laboratory markers of kidney function impairment for CVD risk assessment:	<ol style="list-style-type: none"> 1. Estimation of glomerular filtration eGFR (CKD-EPI) < 60 ml/min/173m2 (1 ml/s/173m2) OR 2. Albumin/Creatinine ratio (ACR) >= 30 mg/g (3.39 mg/mmol) 	<ol style="list-style-type: none"> 0, Absent 1, Present

calc_ao	Abdominal Obesity	<ol style="list-style-type: none"> 1. Waist circumference ≥ 94 cm in men 2. Waist circumference ≥ 80 cm in women 	0, Absent 1, Present
calc_ao_hr	Abdominal Obesity - high risk	<ol style="list-style-type: none"> 1. Waist circumference ≥ 102 cm in men 2. Waist circumference ≥ 88 cm in women 	0, Absent 1, Present
calc_metsyn	<p>Metabolic syndrom defined by IDF 2009</p> <p>https://www.uptodate.com/contents/search?search=metabolic%20syndrome</p>	<p>Simultaneous presence of 3 or more of the metabolic syndrome components below:</p> <ol style="list-style-type: none"> 1. <u>High TG</u>: TG level ≥ 1.7 mmol/l OR treatment with fibrates or nicotine acid 2. <u>Low HDL-cholesterol</u>: low HDL level (<1 mmol/l in men and <1.3 mmol/l in women) OR treatment with fibrates or nicotine acid 3. <u>Dysglycemia</u>: previously diagnosed diabetes mellitus OR treatment of elevated glucose OR fasting plasma glucose ≥ 5.6 mmol/l 4. <u>High Blood Pressure</u>: systolic BP ≥ 130 mmHg OR diastolic BP ≥ 85 mmHg OR treatment of elevated BP 	0, Absent 1, Present