| UMU_pos_20mm | The Biobank Research Unit  Umeå University |
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# Requisition of data – VIP + MO

**Title of the project:**

**Responsible researcher:**

**E-mail:**

**Mobile number to send password when deliver data:**

**The data withdrawal should make use of the scientific opportunities, but at the same time be limited to only include the variables necessary for the implementation of the project. Please help us to document that this is the case by briefly describing why these variables are needed. You do not have to motivate each individual variable, please describe in summary form.**

**Diarienumber and short name (filled in by the Biobank Research Unit):**

**Number of registered questionnaires**

The diagram shows, for example, that few questionnaires were registred before 1990. For each variable below, it is also stated when the question was introduced to the form.

**Withdrawal of data**

The data provided by the Biobank Research Unit is usually harmonized with respect to differences between questionnaire versions for both VIP and MONICA. It is also possible to apply for processed dietary data (which has been cleared from unrealistic values and related to, for example, energy intake).

To choose the variables you are interested in, please fill out the form below.

If you prefer data ”as is” (i.e. not harmonized), please contact the Biobank Research Unit.

***Check the box with the desired file format***

|  |  |
| --- | --- |
| Desired file format at delivery | Sas |
| Excel |
| Other  If so, please notify the Biobank Research Unit when this list is submitted (ebf@umu.se) |
| At delivery, the list of variables should be in:  Swedish  English |

|  |  |  |
| --- | --- | --- |
| Grouping | Variable name | Categorization |
| **Background variables**  These variables are always delivered, as appropriate | **id** | **Id for the current study** |
| **case\_control** | 1 = Case  0 = Control |
| **case\_set** | **Set for case/control** |
| **date** | **Date of screening**  (year month day) |
| **gender** | **Gender**  1 = Male  2 = Female |
| **delproj** | **Subcohort**  MO = MONICA screening  VIP = Västerbotten intervention program |
| **diadat** | **Date of diagnosis**  (year month day) |
| **age** | **Age at date of sampling** |
| **fasta** | **Fasting state** |
| **freeze\_thawed** | **If (or how many times) a sample has been thawed** |
| ***Check the box in front of the variable to include it in the data withdrawal*** | | |
| **Medical and anthropometrical variables** | **langd**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Body height in centimeters** |
| **vikt**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Weight in kilograms** |
| **bmi**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Body mass index** |
| **midja**  VIP: 2003 ->  MONICA: 1986 - 2022 | **Waist circumference in centimeters** (VIP from 2003) |
| **skol**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Total cholesterol mmol/l** |
| **hdl**  VIP: 1985\* ->  MONICA: 1986 – 1994, 2022  \*Within VIP everyone is tested for HDL values since 20090901. Before that occasional values can be found. | **Hdl cholesterol mmol/l** |
| **ldl**  VIP: 1985\* ->  MO: 2022  \*Within VIP everyone is tested for LDL values since 20090901. Before that occasional values can be found. | **Ldl cholesterol mmol/l** |
| **stg**  VIP: 1986 ->  MONICA: 1986 – 2004, 2022 | **Triglycerides mmol/l** |
| **blods0**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Fasting blood glucose 0-hours value** |
| **blods2**  VIP: 1986 ->  MONICA: 1986 - 2022 | **Blood glucose 2-hours value** |
| **sbt**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Systolic blood pressure**  (Within VIP values are taken when lying down until 20090831 and after that values are taken when sitting down. Within MONICA all values are taken when sitting down.) |
| **dbt**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Diastolic blood pressure**  (Within VIP values are taken when lying down until 20090831 and after that values are taken when sitting down. Within MONICA all values are taken when sitting down.) |
| Enkätvariabler | **civil**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Marital status?** 1 = Single  2 = Married/partner + remarried/a new partner  3 = Divorced/separated  4 = Widow/widower |
| **utbild**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Educational level?** 1 = Elementary school + nine-year (compulsory) school  2 = Folk high school equivalent to nine-year (compulsory) school  + junior secondary school + girls’ school + vocational (training) school  3 = Folk high school equivalent to upper secondary school + girls’ school equivalent to upper secondary school  4 = University education/college  5 = Did not finish elementary school or other basic education (MONICA 2014 only)  6 = Elementary school, nine-year (compulsory) school, vocational (training) school or similar (max 9 years) (MONICA 2014 only) |
| **sambo**  VIP: 1985 ->  MONICA: 1986 - 2022 | **Who do you live with?** 1 = Only one adult (spouse, partner)  2 = Only children  3 = Adult and children  4 = Other/others  5 = Live alone  6 = Adult, with or without children (MONICA only)  7 = Not living alone |
| **skiftarbete**  VIP: 1985 ->  MONICA: 1986 – 2009, 2022 | **Do you work shifts /weekends?** 1 = Yes  2 = No |
| **sjukskriven**\*\*  VIP: 1989 ->  Concerns only the VIP cohort | **Have you been long-term sick-listed for more than 6 months?** 1 = Yes 2 = No |
| **arbsjukpens\_8604**  MONICA: 1986-2004 Concerns only the MONICA cohort | **Are you sick-listed now or do you have old age pension/incapacity benefit/disability benefits)?** 1 = Yes, pension/benefit  2 = Yes, sick-listed  3 = No |
| **arbsjukpens\_0409**  MONICA: 2004-2009 Concerns only the MONICA cohort | **Are you sick-listed now or do you have old age pension/incapacity benefit/disability benefits)?** 1 = Yes, full time old age pension or full time permanent disability benefits  2 = Yes, part time old age pension or part time permanent disability benefits  3 = Yes, incapacity benefit or time-limited disability benefits  4 = Yes, sick-listed  5 = No |
| **arbsjukpens\_1422**  MONICA: 2014-2022  Concerns only the MONICA cohort | **Do you now have any of the following?** 1 = Yes, old age pension  2 = Yes, early retirement  3 = Yes, incapacity benefit, permanent disability benefits  4 = Yes, long-term sick-listed  5 = No |
| **ansttyp\_a - ansttyp\_m**  VIP: 1985 ->  MONICA: 1986-2022 | **Type of employment** **ansttyp\_a** = Permanent employment  **ansttyp\_b** =Temporary employment, deputyship, public relief work  **ansttyp\_c** = Works at home  **ansttyp\_d** = Unemployed  **ansttyp\_e** = Student  **ansttyp\_f** = Self-employed  **ansttyp\_g** = Retirement pensioner (due to illness-/in advance-/age-) full time  **ansttyp\_h** = Retirement pensioner (due to illness-/in advance-/age-) part-time  **ansttyp\_i** = Retirement pensioner (due to illness-/in advance-/age-) unspecified  **ansttyp\_j** = Other (MONICA only)  **ansttyp\_k** = On leave, parental leave (MONICA 2014 only)  **ansttyp\_l** = Pension, retirement pension, contractual pension (MONICA only)  **ansttyp\_m** = Long-term sicklisted (MONICA 2014 only) |
| **ursprungsland**\*\*  VIP: 1985 ->  MONICA: 1986-2022 | ***What country are you from?***  1 = Sweden  2 = Other country, specify (see ursprungsland\_vilket) |
| **ursprungsland\_vilket**\*\*  VIP: 1985 ->  MONICA: 1986-2022 | **Specifies country of origin** |
| **halsojf**\*\*  VIP: 1985 -2003  MONICA: 1990-2022 | **Overall state of health compared to others your age?** 1 = Better  2 = About the same  3 = Worse |
| halsoal\*\*  VIP: 1985-1994  MONICA: 1990-1994 | **How would you assess your overall state of health?** 1 = Good  2 = Neither poor nor good / something in between  3 = Poor |
| **halsoar**\*\*  VIP: 1989 ->  MONICA: 1986, 1999-2022 | **State of health during the last year?** 1 = Poor  2 = Fairly poor  3 = Tolerably  4 = Fairly good  5 = Very good |
| **hjartinf\_foraldrar\_syskon**\*\*  VIP: 1989 ->  Concerns only the VIP cohort | **Have any of your parents or siblings had a cerebral hemorrhage/thrombosis or cardiac infarction before the age of 60?**  1= Yes  2 = No  3 = Unknown |
| **mislakt\_9409**  MONICA: 1994-2009 Concerns only the MONICA cohort | **Has any of your relatives died from a heart attack before 65 years of age?**  1 = Yes  2 = No  3 = Unknown |
| **mifamilj\_0422**  MONICA: 2004-2022 Concerns only the MONICA cohort | **Has anyone in your family suffered or died from a heart attack?** 1 = Yes  2 = No  3 = Unknown |
| **cvsslakt\_9409**  MONICA: 1994-2009 Concerns only the MONICA cohort | **Has any of your relatives died from a stroke before 65 years of age?**  1 = Yes  2 = No 3 = Unknown |
| **cvsfamilj\_0422**  MONICA: 2004-2022 Concerns only the MONICA cohort | **Has anyone in your family suffered or died from a stroke?** 1 = Yes  2 = No 3 = Unknown |
| **diab\_foraldrar\_syskon\*\***  VIP: 1989 ->  MONICA: 1999-2022 | **Do any of your parents or siblings have diabetes?**  1= Yes  2 = No  3 = Unknown |
| **beskbltr**\*\*  VIP: 1988 ->  MONICA: 1986-2022 | **Have you at any occasion been informed that you have a high blood pressure?**  1 = Yes  2 = No |
| **mediciner**  VIP: 1985 ->  MONICA: 1986-2022 | **Have you during the last 14 days used any of the following drugs?** Blood pressure medication  1 = Yes (in VIP only option 1 available)  2 = No  2 = Unsure  Heart/angina pectoris medication(VIP only)  1 = Yes  Tranquillizers or sleeping drugs (VIP only)  1 = Yes  Ulcer/gastric discomfort medication \*\* (VIP only)  1 = Yes Lipid lowering medication \*\* 1 = Yes (in VIP only option 1 available)  2 = No  3 = Do not know No, I do not use any of the drugs above(VIP only) 1 = Yes  Pain-relieving medication \*\* (VIP only + MONICA 1986)  1 = Yes  2 = No (only the MONICA cohort 1986)  Acetylsalicylic acid against cardiovascular disease(MONICA only)  1 = Yes  2 = For other disease  3 = No  Acetylsalicylic acid against stroke(MONICA only)  1 = Yes  2 = For other disease  3 = No  Have you, during the last 14 days, used any other prescription medication, e.g . medication for depression, epilepsy, penicillin or hormones, or any over-the-counter medication, e.g. magnecyl (ASA), vitamins, iron supplements, omega 3 or any other dietary supplements, naturopathic supplements or other supplements?  1 = Yes  2 = No |
| med1-med29  VIP: 1985 ->  MONICA: 1986-2014 | ***ATC classification codes***  Please note that ATC-code is not digitized for all occasions. May be requested after discussion with the Biobank Research Unit. |
| **lakm1 - lakm6**  MONICA: 2014-2022  Concerns only the MONICA cohort | ***Pharmaceutical preparations*** |
| **diabet**  VIP: 1986 ->  MONICA: 1986-2022 | **Do you have diabetes?** 1 = Yes  2 = No  3 = Unknown (MONICA 2014 only) |
| **diabetesbehandling**\*\*  VIP: 1988 ->  MONICA: 1986-2022 | **If your answer to the diabetes question is ”Yes”, are you being treated with?** **diabetesbehandling\_a** = Only diet and exercise  **diabetesbehandling\_b** = Pills  **diabetesbehandling\_c** = Insulin  **diabetsbehandling\_d** = No treatment with any of the above  **diabetesbehandling\_e =** Non-insulin injectables such as Ozempic, Victoza eller Trulicity (MONICA 2022 only)  **diabetesbehandling\_f =** Other (MONICA 2022 only)) |
| **graviditetsdiabetes**  VIP: 2011 ->  MONICA: 1999-2022 | ***Have you had gestational diabetes?***  1 = Yes  2 = No  3 = Do not have children (MONICA only)  4 = Unknown (MONICA only) |
| **infarkt\_sjukhus**\*\*  VIP: 1989 ->  MONICA: 1986-2022 | ***Have you been hospitalized for an assured myocardial infarction?***  1 = Yes  2 = No  3 = Do not know if assured (MONICA only) |
| **infarkt\_sjukhus\_ar**\*\*  VIP: 1991 ->  MONICA: 1986-2022 | ***If you have been hospitalized for an assured myocardial infarction, what year?*** |
| **RAND36**  RAND36 is provided as a calculated index which is based on the variables SF36\_RAND\_1 - SF36\_RAND\_11d.  **If separate SF36\_RAND-variables are required please mark the ones desired below.**  Concerns only the VIP cohort | RAND-36 – Measures different aspects of health based on 36 health related items. The items are grouped into 8 scales:  RAND36\_PF - Physical functioning  RAND36\_RP - Role limitations due to physical health  RAND36\_BP - Bodily pain  RAND36\_GH - General health  RAND36\_VT - Energy/Vitality  RAND36\_SF – Social functioning  RAND36\_RE - Role limitations due to emotional problems  RAND36\_MH – Mental health  Each item is scored on a 0 to 100 range.  RAND-36 is measured by the same questions as the 36-item Short Form Survey (SF-36) index and shows no major difference to that one. However, the SF-36 index requires a license and, in order to calculate the SF-36 index, applicants may order separate SF36\_RAND-variables and calculate it using their own license. |
| **SF36\_RAND\_1**  VIP: 2003 ->  Concerns only the VIP cohort | **How would you rate your overall health?**  1 = Excellent  2 = Very good  3 = Good  4 = Fairly good  5 = Poor |
| **SF36\_RAND\_2**  VIP: 2003 ->  Concerns only the VIP cohort | **Compared to a year ago, how would you rate your overall health now?**  1 = Much better than a year ago  2 = A little better than a year ago  3 = About the same  4 = A little worse than a year ago  5 = Much worse than a year ago |
| **SF36\_RAND\_3a**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in strenuous activities like running, lifting heavy objects, taking part in physically demanding sports?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3b**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like moving a table, vacuuming, walking in the forest or gardening?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3c**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like lifting or carrying grocery bags?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3d**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like walking up several stairs?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3e**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like walking up one flight of stairs?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3f**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like bending down or kneeling?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3g**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like walking more than 2 kilometers?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3h**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like walking more than a few hundred meters?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3i**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like walking a hundred meters?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_3j**  VIP: 2003 ->  Concerns only the VIP cohort | **Are you, due to your physical state of health, limited in your ability to participate in moderately demanding activities like bathing or getting dressed?**  1 = Yes, very limited  2 = Yes, a little limited  3 = No, not limited at all |
| **SF36\_RAND\_4a**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of your physical state of health, spent less time than normal at work or in other activities?**  1 = Yes  2 = No |
| **SF36\_RAND\_4b**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of your physical state of health, done less than you wanted?**  1 = Yes  2 = No |
| **SF36\_RAND\_4c**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of your physical state of health, not been able to perform certain work tasks or other activities?**  1 = Yes  2 = No |
| **SF36\_RAND\_4d**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of your physical state of health, been limited in your ability to perform certain work tasks or other activities?**  1 = Yes  2 = No |
| **SF36\_RAND\_5a**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of emotional problems spent less time than normal at work or in other activities?**  1 = Yes  2 = No |
| **SF36\_RAND\_5b**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of emotional problems done less than you wanted?**  1 = Yes  2 = No |
| **SF36\_RAND\_5c**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, have you as a consequence of emotional problems been less thorough than usual in work or other activities?**  1 = Yes  2 = No |
| **SF36\_RAND\_6**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, to what extent have your physical or emotional health disrupted your usual social life with family, friends, neighbors or others?**  1 = Not at all  2 = A little  3 = Moderately  4 = Much  5 = Very much |
| **SF36\_RAND\_7**  VIP: 2003 ->  Concerns only the VIP cohort | **How much ache or pain have you felt during the last four weeks?**  1 = None  2 = Very little  3 = Little  4 = Moderate  5 = Severe  6 = Very severe |
| **SF36\_RAND\_8**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, how much has the aching or pain disturbed your normal work?**  1 = Not at all  2 = A little  3 = Moderately  4 = Much  5 = Very much |
| **SF36\_RAND\_9a**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt really alert and strong?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9b**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt very nervous?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9c**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt so depressed that nothing could cheer you up?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9d**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt calm and serene?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9e**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt full of energy?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9f**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt gloomy and sad?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9g**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt worn out?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9h**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt happy?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_9i**  VIP: 2003 ->  Concerns only the VIP cohort | **For how much of the time during the last four weeks have you felt tired?**  1 = All of the time  2 = Most of the time  3 = Much of the time  4 = Part of the time  5 = A little of the time  6 = None of the time |
| **SF36\_RAND\_10**  VIP: 2003 ->  Concerns only the VIP cohort | **During the last four weeks, how much of the time has your physical health or your emotional problems limited your ability to interact with others (e.g. visiting relatives and friends etc.)?**  1 = All of the time  2 = Most of the time  3 = Part of the time  4 = A little of the time  5 = None of the time |
| **SF36\_RAND\_11a**  VIP: 2003 ->  Concerns only the VIP cohort | **I seem to get sick a little more often than other people**  1 = Altogether true  2 = Mostly true  3 = Unsure  4 = Not very true  5 = Not at all true |
| **SF36\_RAND\_11b**  VIP: 2003 ->  Concerns only the VIP cohort | **I am as healthy as anyone I know**  1 = Totally true  2 = Mostly true  3 = Unsure  4 = Not very true  5 = Not at all true |
| **SF36\_RAND\_11c**  VIP: 2003 ->  Gäller endast deltagare VIP | **I believe my health will worsen**  1 = Totally true  2 = Mostly true  3 = Unsure  4 = Not very true  5 = Not at all true |
| **SF36\_RAND\_11d**  VIP: 2003 ->  Concerns only the VIP cohort | **My health is excellent**  1 = Totally true  2 = Mostly true  3 = Unsure  4 = Not very true  5 = Not at all true |
| **livskvalitet**\*\*  VIP: 1996->  MONICA: 2004-2009  (livskvalitet\_d1-livskvalitet\_d5)  2004-2009 (livskvalitet\_d6-livskvalitet\_d17) | **Indicate how satisfied you are with your situation in different aspects**  Very poor = 1 …. Excellent = 7  **livskvalitet\_d1** = Home and family situation  **livskvalitet\_d2** = Ackommodation  **livskvalitet\_d3** = Work situation  **livskvalitet\_d4** = Economy  **livskvalitet\_d5** = Leisure time  Persons can experience changes within themselves during the years. Try to indicate how you feel now.  Very bad = 1 …. Excellent = 7  **livskvalitet\_d6** = Hearing  **livskvalitet\_d7** = Vision  **livskvalitet\_d8** = Memory  **livskvalitet\_d9** = Fitness  **livskvalitet\_d10** = Appetite  **livskvalitet\_d11** = Mood  **livskvalitet\_d12** = Energy  **livskvalitet\_d13** = Patience  **livskvalitet\_d14** = Confidence **livskvalitet\_d15** = Sleep  Do you feel important and appreciated  1 = Not at all …. 7 = Very much  **livskvalitet\_d16** = outside your home?  **livskvalitet\_d17** = in your home? |
| **ISSI**  ISSI is provided as a calculated index which is based on the variables socont - sochelp.  Concerns only the VIP cohort  If separate “soc”-variables are required please mark the ones desired below. | **Interview Schedule for Social Interaction (ISSI)** is a series of questions about one's social network that can be combined into the scales AVSI - AVailability of Social Interaction, and AVAT - AVailability of ATtachment |
| **sockont**\*\*  VIP: 1985->  MONICA: 1986-2009 | **How many people do you know and have contact with, which have the same interests as you do?**  1 = No one  2 = 1-2 persons  3 = 3-5 persons  4 = 6-10 persons  5 = 11-15 persons  6 = > 15 persons |
| **socsam**\*\*  VIP: 1985->  MONICA: 1986-2009 | **How many people, that you know, do you meet or talk with during a normal week?**  1 = No one  2 = 1-2 persons  3 = 3-5 persons  4 = 6-10 persons  5 = 11-15 persons  6 = > 15 persons |
| **soclago**\*\*  VIP: 1985->  MONICA: 1986-2009, 2022 | **Would you say that the number of people that you meet in your everyday life is enough? Would you like to meet more or fewer people?**  1 = Fewer  2 = Sufficiently enough  3 = More |
| **sochem**\*\*  VIP: 1985->  MONICA: 1986-2009 | **How many friends do you have, who can come to your home at any time and feel at home?**  (You would not care if the house was not clean or if you were eating. Do not count close relatives.)  1 = No one  2 = 1-2 persons  3 = 3-5 persons  4 = 6-10 persons  5 = 11-15 persons  6 = > 15 persons |
| **soctala**\*\*  VIP: 1985->  MONICA: 1986-2009 | **How people can you speak openly with without being careful about what you are saying?**  1 = No one  2 = 1-2 persons  3 = 3-5 persons  4 = 6-10 persons  5 = 11-15 persons  6 = > 15 persons |
| **socstod**\*\*  VIP: 1985->  MONICA: 1986-2009, 2022 | **Is there someone in particular that you can really get support from?** 1 = Yes  2 = Yes, but I do not need it  3 = No |
| **socnara**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Is there a special person who feels that he or she is very close to you?**  1 = Yes  2 = Not sure  3 = No |
| **soclyck**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Do you have a special person who you can share your innermost feelings with when you are happy? Somebody who is happy because you are happy?**  1 = Yes  2 = No |
| **socanfo**\*\*  VIP: 1985->  MONICA: 1986-2009, 2022 | **Do you have someone to share your innermost feelings with and confide in?**  1 = Yes  2 = No |
| **soctrost**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Does it happen sometimes that someone hugs you to comfort and support you?**  1 = Yes  2 = No |
| **socupps**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Do you think that the ones at home or others appreciate what you do?**  1 = Yes  2 = Not enough  3 = No, not at all |
| **soclana**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Are there people around you who you easily can ask for favors from, e.g. borrowing tools or kitchen utensils?**  1 = Yes  2 = No |
| **sochelp**\*\*  VIP: 1985->  MONICA: 1986-2009 | **Apart from the ones at home, is there anyone you can turn to when you are in trouble?**  1 = Yes  2 = No |
| **socdelta**\*\*  VIP: 1989->  MONICA: 2004-2009 | **Have you, during the last year, participated in any association, voluntary organization etc. together with other people (e.g. sports, study circle, theatre group, choir, political group)?**  1 = Yes  2 = No |
| **socofta**  VIP: 1985->  MONICA: 2004-2009 | **How often do you engage in clubs, associations, study circles etc. together with others?**  1 = 1-2 times per year  2 = 1-2 times per month  3 = 1-2 times per week  4 = Every day  5 = Unknown |
| **socforening**  VIP: 2001->  MONICA: 2004-2009 | **What associations etc. do you participate in?**  socforening\_a = Sports, physical exercise  socforening\_b = Study circle  socforening\_c = Theatre group  socforening\_d = Choir  socforening\_e = Other association |
| **Karasek**  Karasek is provided as a calculated index which is based on the variables arbfys - arbvad.  **If separate “arb”-variables are required please mark the ones desired below.**  Concerns only the VIP cohort | Karasek is calculated from a series of questions about the work situation developed by Robert Karasek and associates. From the questions, two scales are scored: KDL - Decision latitude (influence) and KWS - Work strain (Demands). Based on the value of the scale at the individual level compared with the rest of the study population, the work situation is classified as:  1 = Low strain jobs  2 = Passive  3 = Active  4 = High strain jobs |
| **arbfys**  VIP: 1986->  MONICA: 1986-2009, 2022 | **Is your job physically heavy?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbfort**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Does your job demand you to work very fast?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbpsyk**  VIP: 1986->  MONICA: 1986-2009, 2022 | **Is your job mentally demanding?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbhin**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Do you have enough time for your assignments?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbkrav**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Are there contradictory demands in your job?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbnytt**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Do you get to learn new things in your job?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbski**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Does your job demand skill?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbide**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Does your job require ingenuity or creativity?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbrut**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Does your job mean doing the same things over and over again?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| arbhur  VIP: 1985->  MONICA: 1986-2009, 2022 | **Do you have control over how your workday is planned and executed?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbvad**  VIP: 1985->  MONICA: 1986-2009, 2022 | **Do you have control over your own work assignment?** 1 = Yes often  2 = Yes sometimes  3 = No rarely  4 = No as good as never |
| **arbtala**\*\*  VIP: 1991->  MONICA: 1990-2009 | **Is it usually possible for you to speak with your colleagues during breaks, if you want to?** 1 = Yes, always  2 = Yes, most of the time  3 = No, I do not have breaks  4 = No, I do not have breaks with colleagues |
| **arblamna**\*\*  VIP: 1991->  MONICA: 1990-2009 | **Is it possible for you to leave your work for a while if you want to speak with a colleague?** 1 = Yes, most of the time  2 = Yes, sometimes  3 = Only for urgent matters  4 = No, it is totally impossible |
| **arbkontakt**\*\*  VIP: 1991->  MONICA: 1990-2009 | **Do you, as a part of your work, have a lot of contacts with your colleagues?** 1 = Yes, a lot  2 = One or a few times per month  3 = No, I mostly work alone  4 = Seldom or never |
| **arbfritid**\*\*  VIP: 1991->  MONICA: 1990-2009 | **How often do you spend leisure time together with one or more of your colleagues?** 1 = One or more times per week  2 = One or more times per week  3 = One or more times per year  4 = Seldom or never |
| **arbbesok**\*\*  VIP: 1991->  MONICA: 1990-2009 | **When was the last time a colleague visited you at home?** 1 = One to four weeks ago  2 = One to twelve months ago  3 = More than a year ago  4 = I have never been visited by a colleague |
| **MONICA\_motion\_fritid\_86\_09**  MONICA: 1986-2009 Concerns only the MONICA cohort | **How much have you exercised in leisure time during the last year?** 1 = Almost nothing  2 = Mostly sedentary, sometimes a walk or similar activity  3 = Lighter physical exercise at least two hours a week  4 = More strenuous exercise 1-2 hours a week  5 = More strenuous exercise at least 3 hours a week  6 = Very strenuous exercise or competition regularly several times a week  7 = Never (1986 only)  8 = 1-2 times per month (1986 only)  9 = 1 time per week (1986 only)  10 = 2-3 times per week (1986 only)  11 = 4 or more times per week (1986 only) |
| **MONICA\_motion\_arbete**  MONICA: 1990-2009 Concerns only the MONICA cohort | **How much have you been moving/exerting yourself physically in your work during the last year?** 1 = Have old age pension (option not available for 1990)  2 = Sedentary work  3 = Light but physically active work  4 = Moderately heavy work  5 = Heavy work |
| **g1\_a - g1\_d**\*\*  VIP: 1989->  MONICA: 2014-2022 | **Indicate in the table below the way you usually travel to and from work for each season** Spring, **g1\_a** 1 = By car  2 = By bus  3 = Walking  4 = By bicycle  Summer, **g1\_b**  1 = By car  2 = By bus  3 = Walking  4 = By bicycle  Autumn, **g1\_c**  1 = By car  2 = By bus  3 = Walking  4 = By bicycle  Winter, **g1\_d**  1 = By car  2 = By bus  3 = Walking  4 = By bicycle |
| **antal\_km**\*\*  VIP: 1989->  MONICA: 2014-2022 | **Distance to work in kilometers (one way)** |
| **g2\_a – g2\_e**\*\*  VIP: 1989->  MONICA: 2014-2022 | **Indicate the alternative that best describes your work** g2\_a = Sedentary or standing  g2\_b = Light but partly physically active  g2\_c = Light and physically active  g2\_d = Sometimes physically straining  g2\_e = Physically straining most of the time |
| **g3\_a**\*\*  VIP: 1989->  Concerns only the VIP cohort | **How often do you take a walk during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_b**\*\*  VIP: 1989->  Concerns only the VIP cohort | **How often do you ride a bike during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_c**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How often do you dance during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_d**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How often do you shovel snow during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_e**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How often do you engage in gardening during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_f**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How often do you hunt or fish during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g3\_g**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How often do you pick berries or mushrooms during leisure time?** 0 = Never  1 = 1-2 times a month  2 = 3-4 times a month  3 = 2-3 times a week  4 = Every day |
| **g4**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **Have you changed your “everyday exercise” during the last year?** 1 = Decreased a lot  2 = Decreased somewhat  3 = As before  4 = Increased somewhat  5 = Increased a lot |
| **g5**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **”The everyday exercise I get satisfies my need to move”. Is this assertion true for you?** 1 = Not at all  2 = Rather poorly  3 = Partly  4 = Completely |
| **g6**\*\*  VIP: 1989->  MONICA: 2014-2022 | **How often have you been training or exercising in exercise outfit during the last three months with the purpose to enhance your condition and/or to feel good?** 1 = Never  2 = Every now and then – not regularly  3 = 1-2 times/week  4 = 2-3 times/week  5 = More than 3 times/week |
| **g7**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **If you exercise – have you changed your exercising habits during the last year?** 1 = Decreased a lot  2 = Decreased somewhat  3 = As before  4 = Increased somewhat  5 = Increased a lot |
| **g8**\*\*  VIP: 1989-2005  Concerns only the VIP cohort | **How physically active were you before you turned 20?** 1 = Freed from school gymnastics  2 = Participated only in school gymnastics  3 = Trained without competing  4 = Participated in both training and competitions (not on an competitive level)  5 = Trained and participated in competitive athletics  Numbers with two or more digits indicate combined options. |
| **g9**  VIP: 2005->  MONICA: 2014-2022 | **How much have you exerted yourself physically during the last 12 months?** If your activity level varies between e.g. summer and winter, try to take an average.  1 = Sedentary leisure time.  You engage mostly in reading, watching TV, cinema or other sedentary activities in your leisure time. You walk, bike, or move otherwise less than two hours a week.  2 = Moderate exercise in leisure time.  You walk, bike or move otherwise in at least 2 hours a week, mostly without sweating. Included are e.g. walking or biking to and from work, other walking, heavier household work, ordinary gardening, fishing, table tennis, bowling.  3 = Moderate, regular exercise in leisure time.  You exercise regularly 1-2 times a week, at least 30 minutes each time. E.g. running, swimming, tennis, badminton or other activity that makes you sweat.  4 = Regular exercise  You engage in running, swimming, tennis, badminton, [keep-fit exercises](http://tyda.se/search/keep-fit%20exercises?w_lang=en) or similar activities in at an average at least three times a week. Each time lasts at least 30 minutes. |
| **g10**  VIP: 2005->  Concerns only the VIP cohort | **How much time do you spend in an ordinary week in moderately strenuous activities making you feel warm? (e.g. brisk walks, gardening, heavier household work, biking, swimming. It may vary during the year, but try to take an average.)** 1 = 5 hours per week or more  2 = More than 3 hours, but less than 5 hours per week  3 = 1-3 hours per week  4 = Not more than 1 hour per week  5 = No time at all  6 = Do not know/cannot answer |
| **g11a\_h – g11b\_ej**  VIP: 2011->  MONICA: 2004-2009  These are questions about sedentary retrieved from IPAQ (validated questions about physical activity). | ***How much time have you, each day during the last 7 days, spent sitting during work, studies and transportation, at home and during your leisure time?***  Try to estimate an average amount of hours sitting, e.g. at a desk, at a friend´s house, riding in a car or a bus, sitting eating or talking, in front of the computer, watching a film or TV.  Hours weekdays, **g11a\_h**  Minutes weekdays, **g11a\_m**  Do not know weekdays, **g 11a\_ej**  Hours weekends and holidays, **g11b\_h**  Minutes weekends and holidays, **g11b\_m**  Do not know weekends and holidays, **g11b\_ej** |
| **motion**\*\*  VIP: 1988-1991  Applies only to the older parts in VIP | **How much do you exercise in your leisure time?** 0 = Virtually nothing  1 = Every now and then  2 = Regularly about once a week  3 = Regularly about twice a week  4 = Regularly quite physically straining at least twice a week |
| **motion2**\*\*  VIP: 1986-1994  Applies only to the older parts in VIP | **How often do you exercise?** 1 = Never  2 = 1-2 times/month  3 = 1 time/week  4 = 2-3 times/week  5 = 4 or more times/week |
| **sleep\_h7a-sleep\_h7h**  VIP: 2005->  Concerns only the VIP cohort | ***How big is the risk that you drift off or fall asleep in the following situations, in contrast to just feeling tired?***  This applies to your usual way of living lately. Even if you have not done all this recently, try to indicate how it would have affected you.  **sleep\_h7a** Sitting and reading  1 = None  2 = Little  3 = Moderate  4 = Big  **sleep\_h7b,** Watching TV  (same alternatives as above)  **sleep\_h7c,** Sitting inactive in a public place (e.g. theatre or a meeting)  (same alternatives as above)  **sleep\_h7d,** As a passenger in a car for one hour without break.  (same alternatives as above)  **sleep\_h7e,** Lying down resting in the afternoon if conditions permit.  (same alternatives as above)  **sleep\_h7f,** Sitting and talking with someone.  (same alternatives as above)  **sleep\_h7g,** Sitting still after having lunch (without alcohol)  (same alternatives as above)  **sleep\_h7h,** In a car which has stopped for a few minutes in the traffic.  (same alternatives as above) |
| **sleep\_h8a**  VIP: 2005->  MONICA: 1999-2009, 2022 | ***Do you snore when you sleep?***  1 = Yes, always  2 = Yes, almost always  3 = Yes, sometimes  4 = No, almost never  5 = No, never  6 = Do not know |
| **sleep\_h8b**  VIP: 2005->  MONICA: 1999-2009 | ***Have your husband/wife/partner noticed that you have breath-holds when you sleep?***  1 = Yes, always  2 = Yes, almost always  3 = Yes, sometimes  4 = No, almost never  5 = No, never  6 = Do not know |
| **sleep\_h8c**  MONICA: 1999-2009  Concerns only the MONICA cohort | ***Are you bothered by fatigue during the day?***  1 = Yes, always  2 = Yes, almost always  3 = Yes, sometimes  4 = No, almost never  5 = No, never |
| **Alcohol consumption and alcohol related problems/effects There are two different validated forms (CAGE and AUDIT) for calculating indexes concerning alcohol consumption and/or alcohol-related related issues.** | |
| **CAGE**  Concerns only the VIP cohort  If separate i- and j-variables are required please mark the ones desired below. | **CAGE (Cut down, Annoyance, Guilt, Eye-opener)** is calculated from the items i2, i3, i4 and i5 alternatively j12, j11, j7 and j6. The items are used to calculate an index with possible values 0-4, where 0-1 are interpreted as "no signs of risky alcohol consumption" and 2-4 are interpreted as "potentially risky alcohol consumption/alcohol dependency" |
| **AUDIT**  Concerns only the VIP cohort  If separate j-variables are required please mark the ones desired below. | **AUDIT (Alcohol Use Disorders Identification Test)** calculated from questions j1 - j10. The answers are rated and summarized. The maximum rate is 40.  *For women:*  6 points or more indicate risky/harmful alcohol consumption  14 points or more indicate possible addiction  *For men:*  8 points or more indicate risky/harmful alcohol consumption  16 points or more indicate possible addiction |
| **i1\*\***  VIP: 1988-2005  Concerns only the VIP cohort | ***Are you a teetotaler?***(From 1992, the participants were instructed not to answer items i2-i5 if they answered yes to i1. As we do not exclude existing responses, there still may be values for these.)  1 = Yes  2 = No |
| **i2\*\*** (Samma fråga som J12 i enkäten)  VIP: 1989->  Concerns only the VIP cohort | ***Have you ever felt that you ought to drink less alcohol?***  1 = Yes  2 = No |
| **i3\*\*** (Samma fråga som J11 i enkäten)  VIP: 1989->  Concerns only the VIP cohort | ***Have other people annoyed you by criticizing your alcohol consumption?***  1 = Yes  2 = No |
| **i4\*\***  VIP: 1989-2005  Concerns only the VIP cohort | ***Have you ever felt uneasy or guilty because of your way of drinking?***  1 = Yes  2 = No |
| **i5\*\***  VIP: 1989-2005  Concerns only the VIP cohort | ***Have you ever drunk alcohol first thing in the morning to calm down or cure a hangover?***  1 = Ja  2 = Nej |
| **j1**  VIP: 2005->  MONICA: 2014-2022 | ***How often do you drink alcohol?***  1 = Never  2 = 1 time/month or more seldom  3 = 2-4 times/month  4 = 2-3 times/week  5 = 4 times/week or more |
| **j2**  VIP: 2005->  MONICA: 2014-2022 | ***How many glasses do you usually drink on a day when you drink alcohol?***  One glass:  50 cl medium-strong beer  33 cl beer with alcohol content exceeding 3,5% by volume  1 glass red or white wine  1 small glass fortified wine  4 cl liquor, e.g. whisky  1 = 0-2 glasses (in MONICA 1-2 glasses)  2 = 3-4 glasses  3 = 5-6 gl glasses as  4 = 7-9 glasses  5 = 10 glasses or more |
| **j3**  VIP: 2005->  MONICA: 2014-2022 | ***How often do you drink six or more such glasses at the same occasion?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j4**  VIP: 2005->  Concerns only the VIP cohort | ***How often during the last year have you not been able to stop drinking after you started to drink?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j5**  VIP: 2005->  Concerns only the VIP cohort | ***How often during the last year have you not done something you should have done because of your drinking?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j6**  VIP: 2005->  Concerns only the VIP cohort | ***How often during the last year have you needed a drink in the morning to recover after drinking the day before?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j7**  VIP: 2005->  Concerns only the VIP cohort | ***How often during the last year have you felt guilt or remorse because of your drinking?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j8**  VIP: 2005->  Concerns only the VIP cohort | ***How often during the last year did you drink so much that you the next day not was able to remember what you said or did the day before?***  1 = Never  2 = More seldom than once a month  3 = Every month  4 = Every week  5 = Daily or almost daily |
| **j9**  VIP: 2005->  Concerns only the VIP cohort | ***Have you or anyone you know been hurt physically because of your drinking?***  1= No  2 = Yes, but not during the last year  3 = Yes, during the last year |
| **j10**  VIP: 2005->  Concerns only the VIP cohort | ***Has a relative, a friend, a doctor (or other medical personnel) been worried about your drinking or suggested that you should drink less?***  1= No  2 = Yes, but not during the last year  3 = Yes, during the last year |
| **Alcohol and drinking habits** | |
| In the dietary database (NSDD) there are more variables related to alcohol, including quality controlled frequencies of alcohol intake. Most researchers choose to use processed dietary data cleared for unrealistic values and related to energy intake.  If you are interested in:  Processed dietary data concerning alcohol. For instance type of alcoholic beverage, grams of alcohol per day, etc. A withdrawal from the dietary database (NSDD) is necessary, please see <https://www.umu.se/en/biobank-research-unit/> | |
| **Dietary data** | |
| If you are interested in:  Processed dietary data. For instance daily portion of different foods, grams / day of different foods, nutritional calculations, etc. A withdrawal from the dietary database (NSDD) is necessary, please see <https://www.umu.se/en/biobank-research-unit/> | |
| Smoke / snuff data *Some assumptions have been made to correct for difficulties when interpreting the raw data due to the configuration of the questionnaire.* | | |
|  | **sm\_status**  VIP: 1985->  MONICA: 1986-2022 | ***Smoking status:***  1 = Smoker  2 = Former smoker  3 = Never smoker  4 = Occasional smoker  5 = Former occasional smoker |
| **sm\_cig\_groups\*\***  VIP: 1992->  Concerns only the VIP cohort | ***Number of cigarettes smoked per day:***  1 = 1-4  2 = 5-14  3 = 15-24  4 = >25 |
| **sm\_num\_cig**  VIP: 1985-1992  MONICA: 1986-2022 | ***Number of cigarettes smoked per day*** |
| **sm\_num\_cigar**  VIP: 1985-1992  MONICA: 1986-2009 | ***Number of cigars smoked per day*** *(in some questionnaires cigars per week, in these cases the number has been divided by 7)* |
| **sm\_gr\_tobacco**  VIP: 1985-1992  MONICA: 1986-2022 | ***Grams of tobacco smoked per week*** |
| **sm\_how\_often**  VIP: 2011->  MONICA: 1994-2022 | ***How often do you smoke?*** *(Question answered by participants who answered “Yes, I smoke occasionally, not daily”)*  1 = Less than 1 day/month  2 = 1-3 days/month  3 = Usually 1 day/week  4 = Usually 2-4 days/week  5 = Almost every day  *Please note that for MONICA only the alternatives 3-5 are available.* |
| **sm\_start**  VIP: 1985->  MONICA: 1986-2022 | ***Age when the participant started smoking*** |
| **sm\_stop**  VIP: 1985->  MONICA: 1986-2022 | ***Age when the participant stopped smoking*** |
| **sm\_duration**  VIP: 1985->  MONICA: 1986-2022 | ***Years smoking calculated from sm\_start and sm\_stop***  For those who say they smoke and has not given a value for sm\_stop, sm\_duration is given up until date of questionnaire. **Note that the information in sm\_duration might be misleading for smokers who have stopped smoking at some point (and then started again).** |
| **sm\_whystop\_1 \*\***  VIP: 1988-1992  MONICA: 1990-2009 | ***Stopped smoking for health reasons, on own initiative***  1 = Yes |
| **sm\_whystop\_2\*\***  VIP: 1988-1992  MONICA: 1990-2009 | ***Stopped smoking after advice from physician/health personnel***  1 = Yes |
| **sm\_whystop\_3 \*\***  VIP: 1988-1992  MONICA: 1990-2009 | ***Stopped smoking after receiving other information***  1 = Yes |
| **sm\_whystop\_4 \*\***  VIP: 1988-1992  MONICA: 1990-2009 | ***Stopped smoking after pressure from friends/family members***  1 = Yes |
| **sm\_whystop\_5 \*\***  VIP: 1988-1992  MONICA: 1990-2009 | ***Stopped smoking for other reasons***  1 = Yes |
| **sn\_status**  VIP: 1985->  MONICA: 1986-2022 | ***Snuffer status***  1 = Using snuff  2 = Former snuff user  3 = Not using snuff |
| **sn\_quantity**  VIP: 1985->  MONICA: 1986-2022 | ***Snuff - number of boxes per week***  1 = Less than 2  2 = 2 to 4  3 = More than 4 but less than 7  4 = 7 or more |
| **sn\_time**  VIP: 1988->  MONICA: 1990-2022 | ***Years using snuff*** |
| **sn\_stopsmoke\_a\*\***  VIP: 1991->  MONICA: 1990-2022 | ***Did you start using snuff when you stopped smoking?***  1 = Yes  2 = No  3 = I am smoking and using snuff |
| **sn\_stopsmoke\_b \*\***  VIP: 1988-1992  Concerns only the VIP cohort | ***Did you start using snuff when you stopped smoking?***  1 = Yes  2 = No |
| **sn\_nicotine\_replace\*\***  VIP: 2006->  Concerns only the VIP cohort | **Did you use nicotine replacement therapy in order to stop using snuff?** 1 = Yes  2 = No |
| **sm\_nicotine\_replace\*\***  VIP: 2006->  Concerns only the VIP cohort | **Did you use nicotine replacement therapy in order to stop smoking?** 1 = Yes  2 = No |
| **nicotine\_replace\*\***  VIP: 2006->  Concerns only the VIP cohort | **Are you still using nicotine replacement therapy even though you are not using snuff or smoking any longer?** 1 = Yes  2 = No |
| **nicotine\_94\_09**  MONICA: 1994-2009  Concerns only the MONICA cohort | **Are you using other nicotine products daily?** 1 = Yes, chewing tobacco  2 = Yes, nicotine replacement (nicotine chewing gum, patch, nose spray)  3 = Other  4 = No |
| **sm\_yes\_no**  VIP: 1985-2010  Concerns only the VIP cohort | ***Smoking (concerns participants without smoke data from VIP questionnaire)***  0 = Non-smoker/no answer  1 = Smoker |
| **sn\_yes\_no**  VIP: 1985-2010  Concerns only the VIP cohort | ***Snuff using (concerns participants without snuff data from VIP questionnaire)***  0 = Not using snuff/no answer  1 = Using snuff |

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| Cambridge index for physical activity\*\*\* This index is limited to physical activity during workout and in the work situation. It does not take into account items regarding everyday activity. For this, see other G questions. | |
| **pa\_index**  VIP: 1989->  Concerns only the VIP cohort | ***Physical activity index***  1 = Inactive  2 = Moderately inactive  3 = Moderately active  4 = Active  If value is missing in one of the two included variables, the missing value is replaced by the lowest level of activity for that variable. |
| **pa\_index\_miss**  VIP: 1989->  Concerns only the VIP cohort | ***Physical activity index***  1 = Inactive  2 = Moderately inactive  3 = Moderately active  4 = Active  If value is missing in one of the two included variables, the participant is excluded. |
| **occup\_pa\_miss**  VIP: 1989->  Concerns only the VIP cohort | 1 = Value is missing for physical activity during work |
| **leisure\_pa\_miss**  VIP:1989->  Concerns only the VIP cohort | 1 = Value is missing for physical activity during leisure time |

\*\*\* Cambridge index for physical activity is a validated index based on two questions in the VIP questionnaire related to physical activity at work (G2) and at leisure (G6). (Interact Consortium "Validity of a short questionnaire to assess physical activity in 10 European countries". Eur J Epidemiol. 2012 Jan;27(1):15-25)