

MDC CV rescr 2007-2012: Questionnaire

2013-01-18

Contents:	Factors which are likely to have an effect on the emergence of cancer and cardiovascular diseases, such as occupation, physical activity, psychosocial environment, tobacco and alcohol consumption, health, diseases in the family, etc. Other variables are questions about PSA test (only men), hormonal replacement therapy and mammographic screening (only women).
# lines:	3 701
# variables:	125
Source:	Data have been derived from the questionnaire filled in by the participating individuals

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
dat_qst	Questioning date. <i>Remarks:</i> The date filled in by the patient, or if that date is missing, the date at the second visit	Date	SDATE10	
Socially				
F1	What is your civil status?	Numeric	F1	1 = Married 2 = Single 3 = Divorced 4 = Widow/widower
F2	Do you live alone?	Numeric	F1	1 = Yes 2 = No, with husband/wife/girlfriend/boyfriend without children 3 = No, with husband/wife/girlfriend/boyfriend with children 4 = No, with children and no other adult 5 = No, with parents 6 = No, with other
Occupation				
F3	Which of the following alternatives applies to you?	Numeric	F1	1 = Housewife 2 = Employed 3 = Retired 4 = Student 5 = Unemployed
F3_2	Number of working hours per week?	Numeric	F2	
F3_5	Unemployed, since how many months?	Numeric	F2	
Physical activity				
F4	How much do you exercise and exert yourself physically during your spare time? <i>Remarks:</i> If your activity varies greatly between for example summer and winter, please estimate an average. The question concerns the last year. Group 1: You devote yourself primarily to reading, needlework, TV, cinema or other sedentary activities in spare time.	Numeric	F1	1 = Sedentary spare time 2 = Moderate exercise in spare time 3 = Regular exercise and training 4 = Hard training or competition sport

Name	Variable label	Type	Format	Value label
	Group 2: You walk, go by bike or exercise during at least 4 hours per week. Includes walking or cycling to and from the work and Sunday walks, gardening, fishing, table tennis, bowling. Group 3: You devote yourself to running, swimming, tennis, badminton, fitness exercises, or similar for keeping fit. Heavier gardening work or similar are counted in this group. In order to mark group 3 with a cross you have to devote yourself to these activities at least 3 hours per week. Group 4: You devote yourself to hard training and competition in running, orienteering, skiing, swimming, football, handball etc regularly and at least 4 times per week.			
Smoking				
F5	Do you smoke?	Numeric	F1	1 = Yes, I smoke regularly 2 = Yes, I smoke occasionally 3 = No, I have stopped smoking 4 = No, I have never smoked
F5_3	Year of smoking cessation?	Numeric	F4	
F6_1	Have you ever smoked?	Numeric	F1	0 = Never smoked
F6_2	For how many years have you smoked regularly?	Numeric	F2	
F7_1	How much do you smoke (if you are a smoker) or how much did you smoke earlier (if you have stopped smoking)?	Numeric	F1	0 = Do not smoke
F7_2	How many cigarettes do you smoke per day (if you are a smoker) or how many cigarettes did you smoke per day earlier (if you have stopped smoking)?	Numeric	F2	
F7_3	How many cigarillos or cigars do you smoke per day (if you are a smoker) or how many cigarillos or cigars did you smoke per day earlier (if you have stopped smoking)?	Numeric	F2	
F7_4	How many grams of pipe tobacco do you smoke per day (if you are a smoker) or how many grams of pipe tobacco did you smoke per day earlier (if you have stopped smoking)?	Numeric	F2	
F8	Do you take snuff?	Numeric	F1	1 = Yes 2 = No
F8_1	How many snuff-boxes do you take per week?	Numeric	F1	
F9	Do the persons you live with smoke indoors, or have they done so previously?	Numeric	F1	1 = No 2 = Yes, for less than 10 years 3 = Yes, for 10-20 years 4 = Yes, for more than 20 years
F10	Do you regularly stay in places of work (apart from your home) where people smoke, or have you previously been staying in such places regularly?	Numeric	F1	1 = No 2 = Yes, for less than 10 years 3 = Yes, for 10-20 years 4 = Yes, for more than 20 years
Alcohol consumption				
F11	When did you last drink beer (excluding light beer), wine or liquor?	Numeric	F1	0 = Have not been drinking during the last year (go to F19) 1 = Have been drinking some during the last year, but NOT during the last 30 days (go to F19) 2 = Have been drinking sometime during the last 30 days
F12	On how many days did you drink beer (excluding light beer), wine or liquor during the last 30-day period?	Numeric	F2	
F13	On how many days did you drink beer (excluding light beer) during the last 30-day period?	Numeric	F2	
F14_1	How much beer (excluding light beer) did you drink on such a day in general (number of 33 cl bottles)?	Numeric	F2	
F14_2	How much beer (excluding light beer) did you drink on such a day in general (number of 50 cl cans)?	Numeric	F2	

Name	Variable label	Type	Format	Value label
F15	On how many days did you drink wine during the last 30-day period?	Numeric	F2	
F16_1	How much wine did you drink on such a day in general (number of glasses, 12 cl)?	Numeric	F2	
F16_2	How much wine did you drink on such a day in general (number of bottles, 37 cl)?	Numeric	F1	
F16_3	How much wine did you drink on such a day in general (number of bottles, 75 cl)?	Numeric	F1	
F17	On how many days did you drink liquor, for example vodka, gin or whiskey, during the last 30-day period?	Numeric	F2	
F18_1	How much liquor did you drink on such a day in general (number of drinks, 4-6 cl)?	Numeric	F2	
F18_2	How much liquor did you drink on such a day in general (number of bottles, 37 cl)?	Numeric	F1	
F18_3	How much liquor did you drink on such a day in general (number of bottles, 75 cl)?	Numeric	F1	
State of health				
F19_1	Have you been treated for heart attack (infarction) since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_2	Have you been treated for angina (vascular spasm in the chest) since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_3	Have you been treated for cardiac insufficiency (breathlessness or leg swelling) since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_4	Have you been treated for stroke since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_5	Have you been treated for claudication in the legs since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_6	Have you been treated for hypertension (high blood pressure) since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_7	Have you been treated for diabetes since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_8	Have you been treated for goitre since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_9	Have you been treated for gastric ulcer (found by X-ray or gastroscopy) since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_10	Have you been treated for cancer since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_11	Have you been treated for asthma and/or chronic bronchitis since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_12	Have you been treated for rheumatoid arthritis since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_13	Have you been treated for inflammatory bowel disease since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_14	Have you been treated for kidney stones since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F19_15	Have you been treated for any fractures since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes

Name	Variable label	Type	Format	Value label
F19_16	Have you been treated for high blood fats since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes
F21	How do you feel right now, physically and mentally, with respect to your health and your well-being? (Make a choice between 1 and 7)	Numeric	F1	1 = Feel very bad, could not feel worse 2 = 3 = 4 = 5 = 6 = 7 = Feel very well, could not feel better
F22	How do you regard your own age in relation to people of the same age and sex?	Numeric	F1	1 = I feel younger than others 2 = I feel older than others 3 = No difference to others
F23	How do you think your friends and relatives regard your age in relation to people of the same age and sex?	Numeric	F1	1 = I am regarded as younger than others 2 = I am regarded as older than others 3 = No difference to others
F24	Have you experienced constant stress during the last year?	Numeric	F1	1 = Yes 2 = No
F25	Have you experienced constant stress during the last five years?	Numeric	F1	1 = Yes 2 = No
F26	How are your and your family's current financial situation?	Numeric	F1	1 = I do not have any financial problem to manage my situation 2 = Not me, but close relatives have financial problems, which worry me 3 = I have moderate financial problems which can be solved 4 = I have substantial financial problems which are difficult to solve
F27	In the future we also want to invite children to persons which have participated in our current study. May we have your permission to contact your children with an offer to a similar voluntary health examination in the future?	Numeric	F1	1 = Yes 2 = No
Diseases in the family				
F30_1	My father has/had hypertension (high blood pressure)	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F30_2	My father has/had diabetes	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F30_3	My father has/had a fracture	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F30_4	My father has/had cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F30_5	My father has/had prostate cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F31_1	My mother has/had hypertension (high blood pressure)	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F31_2	My mother has/had diabetes	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F31_3	My mother has/had a fracture	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F31_4	My mother has/had cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F31_5	My mother has/had breast cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32	Do you have any brothers or sisters?	Numeric	F1	0 = I don't have any brothers or sisters

Name	Variable label	Type	Format	Value label
F32_1	My brother/sister (one or more) has/had hypertension (high blood pressure)	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32_2	My brother/sister (one or more) has/had diabetes	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32_3	My brother/sister (one or more) has/had a fracture	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32_4	My brother/sister (one or more) has/had cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32_5	My brother (one or more) has/had prostate cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F32_6	My sister (one or more) has/had breast cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_1	Other close relative, friend or fellow worker has/had hypertension (high blood pressure)	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_2	Other close relative, friend or fellow worker has/had diabetes	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_3	Other close relative, friend or fellow worker has/had a fracture	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_4	Other close relative, friend or fellow worker has/had cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_5	Other close relative, friend or fellow worker has/had prostate cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F33_6	Other close relative, friend or fellow worker has/had breast cancer	Numeric	F1	1 = Yes 2 = No 3 = Don't know
Questions put to men only				
F34	Have you ever examined your PSA ('prostate test') value?	Numeric	F1	1 = Yes 2 = No (if no, go on to question F36)
F34_1	If yes on question F34, how many times?	Numeric	F2	
F34_2	If yes on question F34, when last time (year)?	Numeric	F4	
F35_1	If yes on question F34, the reason for examining the PSA value was fear of having prostate cancer	Numeric	F1	1 = Yes
F35_2	If yes on question F34, the reason for examining the PSA value was a recommendation by my doctor	Numeric	F1	1 = Yes
F35_3	If yes on question F34, the reason for examining the PSA value was a recommendation by my partner	Numeric	F1	1 = Yes
F35_4	If yes on question F34, the reason for examining the PSA value was a recommendation by a relative or friend	Numeric	F1	1 = Yes
F36	My risk of getting prostate cancer is as I understand it	Numeric	F1	1 = Low 2 = Medium 3 = High
Questions put to women only				
F37	In what year did your period stop?	Numeric	F4	
F38	Have you had any menstruations during the last 12 months?	Numeric	F1	1 = Yes 2 = No
F39	Have you ever got hormonal replacement therapy under/after the menopause?	Numeric	F1	1 = Yes 2 = No (if no, go on to question F44)
F40	If yes on question F39, for how long time in total (years)?	Numeric	F2	
F41	Do you at present get any form of hormonal replacement therapy?	Numeric	F1	1 = Yes 2 = No

Name	Variable label	Type	Format	Value label
F42_1	If yes on question F41, I get/have taken tablets as hormonal replacement therapy	Numeric	F1	1 = Yes
F42_2	If yes on question F41, I get/have used plasters as hormonal replacement therapy	Numeric	F1	1 = Yes
F42_3	If yes on question F41, I get/have received injections as hormonal replacement therapy	Numeric	F1	1 = Yes
F42_4	If yes on question F41, I get/have used cream as hormonal replacement therapy	Numeric	F1	1 = Yes
F43	If you have given-up hormonal replacement therapy, how old were you at that time?	Numeric	F2	
F44	How many children have you given birth to?	Numeric	F2	
F44_1	Have you given birth to any children?	Numeric	F1	0 = I have not given birth to any children
F45	Have you gone through surgery with removal of the uterus and/or ovaries since you participated in the Malmö Diet and Cancer study for the first time?	Numeric	F1	1 = Yes 2 = No
F46	Have you made a gynaecological health control with a pap smear test?	Numeric	F1	1 = Yes 2 = No
F46_1	If yes on question F46, when last time (year)?	Numeric	F4	
F47	Have you been invited to a mammographic screening (breast x-ray) at the hospital UMAS in Malmö?	Numeric	F1	1 = Yes 2 = No (if no, go on to question F51)
F47_1	If yes on question F47, when last time (year)?	Numeric	F4	
F48	Have you participated in mammographic screening (breast x-ray) at the hospital UMAS in Malmö?	Numeric	F1	1 = Yes 2 = No
F48_1	If yes on question F48, when last time (year)?	Numeric	F4	
F49	If you get another invitation to mammographic screening, would you participate?	Numeric	F1	1 = Yes 2 = No 3 = Don't know
F50_1	If yes on question F47 and no on question F48, the reason for not participating was due to: I attend mammographic screening at another hospital	Numeric	F1	1 = Yes
F50_2	If yes on question F47 and no on question F48, the reason for not participating was due to: I attend mammographic screening at a private health care provider	Numeric	F1	1 = Yes
F50_3	If yes on question F47 and no on question F48, the reason for not participating was due to: I do not want to know if I have cancer	Numeric	F1	1 = Yes
F50_4	If yes on question F47 and no on question F48, the reason for not participating was due to: I do not think it is an advantage for me	Numeric	F1	1 = Yes
F50_5	If yes on question F47 and no on question F48, the reason for not participating was due to: a relative/friend advised me not to	Numeric	F1	1 = Yes
F50_6	If yes on question F47 and no on question F48, the reason for not participating was due to: I was afraid that the radiation can be dangerous	Numeric	F1	1 = Yes
F50_7	If yes on question F47 and no on question F48, the reason for not participating was due to: discomfort (for example pain) related to the examination	Numeric	F1	1 = Yes
F50_8	If yes on question F47 and no on question F48, the reason for not participating was due to: I was hindered by disease	Numeric	F1	1 = Yes
F50_9	If yes on question F47 and no on question F48, the reason for not participating was due to: it was difficult for me to get away from work	Numeric	F1	1 = Yes
F50_10	If yes on question F47 and no on question F48, the reason for not participating was due to: my responsibility for a relative who can not be left alone	Numeric	F1	1 = Yes
F50_11	If yes on question F47 and no on question F48, the reason for not participating was due to: other activities takes too much time	Numeric	F1	1 = Yes

Name	Variable label	Type	Format	Value label
F50_12	If yes on question F47 and no on question F48, the reason for not participating was due to: the cost was too high	Numeric	F1	1 = Yes
F50_13	If yes on question F47 and no on question F48, the reason for not participating was due to: I missed the time	Numeric	F1	1 = Yes
F50_14	If yes on question F47 and no on question F48, the reason for not participating was due to: some other reason	Numeric	F1	1 = Yes
F51	My risk for getting breast cancer as I understand it	Numeric	F1	1 = Low 2 = Medium 3 = High
F52	What do you think about mammographic screening?	Numeric	F1	1 = It is good - it improves the chance to recover from breast cancer 2 = It makes no difference - does not affect my health 3 = It does more harm than good - can be dangerous

MDC CV rescr 2007-2012: Intake of drugs

2013-01-18

Contents:	Intake of prescribed drugs during a week related to diabetes, gynaecological, lipid disturbance or cardio vascular diseases
# lines:	3 699
# variables:	50
Source:	Data originate from the questionnaire, question 28, filled in by the participating individuals. Nurses at the Clinical Research Unit transferred information of the prescribed drugs from that question to a separate form, from which the data were obtained.

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
Insulin	Diabetes - Insulin	Numeric	F1	1 = Yes
Accomp	Diabetes - Accomplia	Numeric	F1	1 = Yes
Actos	Diabetes - Actos	Numeric	F1	1 = Yes
Avandia	Diabetes - Avandia	Numeric	F1	1 = Yes
Daonil	Diabetes - Daonil	Numeric	F1	1 = Yes
Glucobay	Diabetes - Glucobay	Numeric	F1	1 = Yes
Metform	Diabetes - Metformin	Numeric	F1	1 = Yes
Mindiab	Diabetes - Mindiab	Numeric	F1	1 = Yes
NovoNorm	Diabetes - NovoNorm	Numeric	F1	1 = Yes
diab_x	Diabetes - other medicine	Numeric	F1	1 = Yes
Activell	Gynecology - Activelle	Numeric	F1	1 = Yes
Femanest	Gynecology - Femanest	Numeric	F1	1 = Yes
Femasekv	Gynecology - Femasekvens	Numeric	F1	1 = Yes
Indivina	Gynecology - Indivina	Numeric	F1	1 = Yes
gynek_x	Gynecology - other medicine	Numeric	F1	1 = Yes
Crestor	Lipid disorders - Crestor	Numeric	F1	1 = Yes
Ezetrol	Lipid disorders - Ezetrol	Numeric	F1	1 = Yes
Lipitor	Lipid disorders - Lipitor	Numeric	F1	1 = Yes
Lopid	Lipid disorders - Lopid	Numeric	F1	1 = Yes
Pravach	Lipid disorders - Pravachol	Numeric	F1	1 = Yes
Zocord	Lipid disorders - Zocord	Numeric	F1	1 = Yes
lipid_x	Lipid disorders - other medicine	Numeric	F1	1 = Yes
Aprovel	Cardiovascular - Aprovel	Numeric	F1	1 = Yes
Atenolol	Cardiovascular - Atenolol	Numeric	F1	1 = Yes
Cardizem	Cardiovascular - Cardizem Retard	Numeric	F1	1 = Yes
Cozaar	Cardiovascular - Cozaar	Numeric	F1	1 = Yes
Diovan	Cardiovascular - Diovan	Numeric	F1	1 = Yes
Emconcor	Cardiovascular - Emconcor	Numeric	F1	1 = Yes
Enalapri	Cardiovascular - Enalapril	Numeric	F1	1 = Yes
Impugan	Cardiovascular - Impugan	Numeric	F1	1 = Yes
Isoptin	Cardiovascular - Isoptin Retard	Numeric	F1	1 = Yes

Name	Variable label	Type	Format	Value label
Kredex	Cardiovascular - Kredex	Numeric	F1	1 = Yes
Lanacris	Cardiovascular - Lanacrist	Numeric	F1	1 = Yes
Metoprol	Cardiovascular - Metoprolol	Numeric	F1	1 = Yes
Midamor	Cardiovascular - Midamor	Numeric	F1	1 = Yes
Monoket	Cardiovascular - Monoket	Numeric	F1	1 = Yes
Nitromex	Cardiovascular - Nitromex	Numeric	F1	1 = Yes
Normorix	Cardiovascular - Normorix mite	Numeric	F1	1 = Yes
Norvasc	Cardiovascular - Norvasc	Numeric	F1	1 = Yes
Plendil	Cardiovascular - Plendil	Numeric	F1	1 = Yes
Salures	Cardiovascular - Salures	Numeric	F1	1 = Yes
Sotalol	Cardiovascular - Sotalol	Numeric	F1	1 = Yes
Spirono	Cardiovascular - Spironolakton	Numeric	F1	1 = Yes
Triatec	Cardiovascular - Triatec	Numeric	F1	1 = Yes
Trombyl	Cardiovascular - Trombyl	Numeric	F1	1 = Yes
Waran	Cardiovascular - Waran	Numeric	F1	1 = Yes
hjkarl_x	Cardiovascular - other medicine	Numeric	F1	1 = Yes

MDC CV rescr 2007-2012: Examination by nurse, incl OGTT

2013-02-06

Contents:	Data on anthropometry, blood pressure, heart rate, diabetes status and OGTT
# lines:	3 700
# variables:	15
Source:	Data have been derived from the nurse and OGTT form filled in by the nurse at the Clinical Research Unit. Individuals with suspected newly identified diabetes had to give an additional sample or participate in an additional OGTT at the Clinical Research Unit in order to get the diabetes verified.

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
dat_ssk	Date at examination by nurse.	Date	SDATE10	
hght_ssk	Height (cm). <i>Remarks: Original variable name is height.</i>	Numeric	F3	
wght_ssk	Weight (kg). <i>Remarks: Original variable name is weight.</i>	Numeric	F3	
wst_ssk	Waist (cm). <i>Remarks: Original variable name is waist.</i>	Numeric	F3	
hip	Hip (cm)	Numeric	F3	
sbp	Systolic blood pressure (mm Hg)	Numeric	F3	
dbp	Diastolic blood pressure (mm Hg)	Numeric	F3	
HR	Heart rate	Numeric	F3	
diab_ssk	Diabetic (status according to patient before examination)	Numeric	F1	1 = No 2 = Yes
glukos_0	Hemocue 0-value (Mmol/L)	Numeric	F4.1	
glukos_1	Hemocue 120-value (Mmol/L)	Numeric	F4.1	
diab_new	New diabetic identified and verified through extended examination	Numeric	F1	1 = Verified through P-Glucose 2 = Verified through OGTT 3 = Verified through P-Glucose and OGTT, or OGTT and HbA1c-value

MDC CV rescr 2007-2012: Sample analyses

2013-01-18

Contents:	Results from analysis of triglycerides, glucose, cholesterol (incl LDL and HDL), albumin, albumin/krea index and creatinine.
# lines:	3 699
# variables:	12
Source:	Blood samples taken of the participant during the examination by the nurse were analysed by Labmedicin Skåne, Malmö.
Data editing:	For individuals with multiple results of one type of analysis the result of only the first analysis has been kept.

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
tg	fP-Triglycerides (mmol/L) (limits 0.4-2.6)	Numeric	F4.1	
gluk	Fasting plasma glucose (mmol/L) (limits 4.2-6.3)	Numeric	F4.1	
hdlkol	P-HDL-cholesterol (mmol/L) (limits 0.80-2.10 or 1.00-2.70)	Numeric	F4.2	
pkol	P-cholesterol (mmol/L) (limits 3.9-7.8)	Numeric	F3.1	
ldlhdl	P-LDL-cholesterol/HDL-cholesterol ratio	Numeric	F3.1	
ldlkol	P-LDL-cholesterol (mmol/L) (limits 2.0-5.3)	Numeric	F3.1	
alb	U-Albumin (g/L) (limits <0.01)	Numeric	F5.3	
albkre	U-Albumin/Krea index (g/mol) (limits <3.0)	Numeric	F5.1	
kreat	U-Creatinine (mmol/L)	Numeric	F4.1	

Contents:	Results from the ultrasound examination of the carotid artery
# lines:	3 734
# variables:	51
Source:	<p>Data have been derived from the ultrasound form filled in by the biomedical scientists. All plaques of the patient were measured and evaluated. A maximum of three plaques were entered in the database.</p> <p>For the ultrasound examination a Siemens Sequioa with a 5-8 MHz transducer was used. A specific study protocol was used. Wall thickening was defined as a thickening of the arterial wall >1,2 mm. When this thickening was focal it was defined as a plaque. Degree of stenosis (Hansen et al, 1996), presence of ulceration and calcification in the plaque and type of plaque was assessed at the ultrasound examination, as were plaque area and diameter reduction. A white area in the plaque was assessed as calcification when a shadow was present below this area.</p>
Data editing:	Two separate forms were filled in for individuals examined on both right (dexter) and left (sinister) sides. Data from the two forms were rearranged into one data line with two sets of variables, one for each side.
Reference:	<p>Hansen F et al. Accuracy of duplex sonography before carotid endarterectomy — A comparison with angiography. European Journal of Vascular and Endovascular Surgery. Volume 12, Issue 3, October 1996, Pages 331–336</p> <p>Östling, G och Nilsson P M. 2012. Sammanställning av variabelinformation som baseras på ultraljudsundersökning av arteria carotis i MKC KVA ÅUS. Opublicerat manuskript. Lund universitet, Inst för Kliniska vetenskaper.</p>

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
dat_ulj	Date at ultrasound examination	Date	SDATE10	
diab_ulj	Diabetic	Numeric	F1	1 = No 2 = Yes
Right side (dexter)				
pl_sc_dx	Plaque score, semi quantitative (right side)	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening 2 = two or more small plaques or wall thickenings 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one ore more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or a circumferent plaque and/or a plaque with >50 % stenosis
maxvl_dx	Maximal blood flow velocity, measured in the internal carotid artery (right side)	Numeric	F4.2	
diavl_dx	End diastolic blood flow velocity, measured in the internal carotid artery (right side)	Numeric	F4.2	

Name	Variable label	Type	Format	Value label
sten_dx	Degree of stenosis assessed using the maximal blood flow velocity (right side). <i>Remarks:</i> For reference see Hansen et al, 1996. stenosis_dx<=25 in original data changed to stenosis_dx=0.	Numeric	F3	
vert_dx	Blood flow direction assessed for the vertebral artery (arteria vertebralis) (right side)	Numeric	F1	1 = Normal flow direction 2 = Reversed flow direction 3 = Not possible to visualize
ulc1_dx	Plaque1: Ulceration in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
dred1_dx	Plaque1: Diameter reduction (right side) (%)	Numeric	F3	
plar1_dx	Plaque1: Plaque area (right side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar1str_dx for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar1str_dx	Plaque1: Plaque area (right side) (String) (mm2)	String	A4	
type1_dx	Plaque1: Type of plaque (right side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk1_dx	Plaque1: Calcification in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
ulc2_dx	Plaque2: Ulceration in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
dred2_dx	Plaque2: Diameter reduction (right side) (%)	Numeric	F3	
plar2_dx	Plaque2: Plaque area (right side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar2str_dx for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar2str_dx	Plaque2: Plaque area (right side) (String) (mm2)	String	A4	
type2_dx	Plaque2: Type of plaque (right side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk2_dx	Plaque2: Calcification in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
ulc3_dx	Plaque3: Ulceration in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
dred3_dx	Plaque3: Diameter reduction (right side) (%)	Numeric	F3	
plar3_dx	Plaque3: Plaque area (right side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar3str_dx for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar3str_dx	Plaque3: Plaque area (right side) (String) (mm2)	String	A4	
type3_dx	Plaque3: Type of plaque (right side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk3_dx	Plaque3: Calcification in the plaque (right side)	Numeric	F1	1 = No 2 = Yes
Left side (sinister)				
pl_sc_sn	Plaque score, semi quantitative (left side)	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm2) or one wall thickening 2 = two or more small plaques or wall thickenings 3 = one plaque >=10 mm2 4 = one plaque >=10 mm2 and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm2, and/or a circumferent plaque and/or a plaque with >50 % stenosis
maxvl_sn	Maximal blood flow velocity, measured in the internal carotid artery (left side)	Numeric	F4.2	
diavl_sn	End diastolic blood flow velocity, measured in the internal carotid artery (left side)	Numeric	F4.2	
sten_sn	Degree of stenosis assessed using the maximal blood flow velocity (left side). <i>Remarks:</i> For reference see Hansen et al, 1996. stenosis_sn<=25 in original data changed to stenosis_sn=0.	Numeric	F3	

Name	Variable label	Type	Format	Value label
vert_sn	Blood flow direction assessed for the vertebral artery (arteria vertebralis) (left side)	Numeric	F1	1 = Normal flow direction 2 = Reversed flow direction 3 = Not possible to visualize
ulc1_sn	Plaque1: Ulceration in the plaque (left side)	Numeric	F1	1 = No 2 = Yes
dred1_sn	Plaque1: Diameter reduction (left side) (%)	Numeric	F3	
plar1_sn	Plaque1: Plaque area (left side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar1str_sn for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar1str_sn	Plaque1: Plaque area (left side) (String) (mm2)	String	A4	
type1_sn	Plaque1: Type of plaque (left side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk1_sn	Plaque1: Calcification in the plaque (left side)	Numeric	F1	1 = No 2 = Yes
ulc2_sn	Plaque2: Ulceration in the plaque (left side)	Numeric	F1	1 = No 2 = Yes
dred2_sn	Plaque2: Diameter reduction (left side) (%)	Numeric	F3	
plar2_sn	Plaque2: Plaque area (left side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar2str_sn for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar2str_sn	Plaque2: Plaque area (left side) (String) (mm2)	String	A4	
type2_sn	Plaque2: Type of plaque (left side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk2_sn	Plaque2: Calcification in the plaque (left side)	Numeric	F1	1 = No 2 = Yes
ulc3_sn	Plaque3: Ulceration in the plaque (left side)	Numeric	F1	1 = No 2 = Yes
dred3_sn	Plaque3: Diameter reduction (left side) (%)	Numeric	F3	
plar3_sn	Plaque3: Plaque area (left side) (Numeric) (mm2). <i>Remarks:</i> Values preceded by the sign < or > have been set to the missing code -888. See the variable plar3str_sn for complete data.	Numeric	F3	-888 = Value set to missing due to a > or < sign preceded the original plaque area value
plar3str_sn	Plaque3: Plaque area (left side) (String) (mm2)	String	A4	
type3_sn	Plaque3: Type of plaque (left side)	Numeric	F1	1 = Homogeneous 2 = Heterogeneous
kalk3_sn	Plaque3: Calcification in the plaque (left side)	Numeric	F1	1 = No 2 = Yes

Contents:	Results from the IMT measurement of the ultrasound examination of the carotid artery
# lines:	6 250 (3 712 individuals)
# variables:	10
Source:	For the ultrasound examination a Siemens Sequioa with a 5-8 MHz transducer was used. A specific study protocol was used. IMT and lumendiameter values were measured off line using the Artery Measurement System (AMS) program (Liang et al, 2000). IMT and lumendiameter from the old cohorts (MDC CV base, HOMA and plaque) in this variable list has been re-measured in batch at the same time as the measurement of the current examination. Most individuals have images from the right side, but about 10% do also have images from the left side, especially those examined in the beginning of the study.
Data editing:	The off line analysis software generated two separate types of data files with results: bulb (carotid bifurcation) and cca (common carotid artery), respectively. Usually the operator measured on three images per individual and cohort (max 7 images), where each image yielded a separate data line. For the final data set one bulb and one cca data line were selected per individual and cohort based on certain criteria.
Reference:	Liang Q et al. A multiscale dynamic programming procedure for boundary detection in ultrasonic artery images. IEEE Transactions On Medical Imaging Volume: 19 Issue: 2 (2000-01-01) p. 127-142. ISSN: 0278-0062 Östling, G och Nilsson P M. 2012. Sammanställning av variabelinformation som baseras på ultraljudsundersökning av arteria carotis i MKC KVA ÅUS. Opublicerat manuskript. Lund universitet, Inst för Kliniska vetenskaper.

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
chrt_IMT	Cohort analysed at examination of carotid bifurcation and/or common carotid artery. <i>Remarks:</i> Information on examined side (left och right) is given for the MDC CV rescreening cohort (2007-2012).	Numeric	F2	10 = MDC CV baseline (1991-1994) 21 = MDC HOMA (1998-2000) 22 = MDC Plaque (2000-2001) 31 = MDC CV rescreening 2007-2012, right side (dx) 32 = MDC CV rescreening 2007-2012, left side (sin)
dat_IMT	Date at IMT examination. <i>Remarks:</i> The examination dates for the cohorts were derived as follows: chrt_IMT=10: from variable "u_dat" in the study MKC CV bas (1991-1994) chrt_IMT=21: from variable "dat2" in the study MKC åus HOMA (1998-2000) chrt_IMT=22: from the variable "åus_dat" in the study MKC åus Plaque (2000-2001) chrt_IMT=31: from the variable "dat_ulj" in the study MKC-KVA-ÅUS (2007-2012) chrt_IMT=32: from the variable "dat_ulj" in the study MKC-KVA-ÅUS (2007-2012)	Date	SDATE10	

Name	Variable label	Type	Format	Value label
Carotid bifurcation				
IMTmaxB	Maximum intima media thickness in the carotid bifurcation. <i>Remarks:</i> Record with highest IMTmaxB-value per individual is selected. Original variable name is "IMTf max".	Numeric	F4.2	
Common carotid artery				
IMTmeanC	Mean intima media thickness in common carotid artery. <i>Remarks:</i> Record with highest IMTmeanC per individual is selected (sorted by descending IMTmeanC and descending IMTmaxC and ascending LDmeanC). Original variable name is "IMTf mean".	Numeric	F4.2	
IMTmaxC	Maximum intima media thickness in common carotid artery. <i>Remarks:</i> Record with highest IMTmeanC per individual is selected (sorted by descending IMTmeanC and descending IMTmaxC and ascending LDmeanC). Original variable name is "IMTf max".	Numeric	F4.2	
LDmeanC	Mean lumen diameter in common carotid artery. <i>Remarks:</i> Record with highest IMTmeanC per individual is selected (sorted by descending IMTmeanC and descending IMTmaxC and ascending LDmeanC). Original variable name is "LD mean".	Numeric	F5.2	
LDmaxC	Maximum lumen diameter in common carotid artery. <i>Remarks:</i> Record with highest IMTmeanC per individual is selected (sorted by descending IMTmeanC and descending IMTmaxC and ascending LDmeanC). Original variable name is "LD max".	Numeric	F5.2	

Contents:	Results from arterial stiffness measurements. Three data files were created, two with the original multiple measurements (PWV_allrec and PWA_allrec), and one with averages (PWV_PWA_mean).
# lines & # variables	<p>PWV_PWA_mean # lines 3 150 # variables 36</p> <p>PWV_allrec # lines 8 973 # variables 13</p> <p>PWA_allrec # lines 9 034 # variables 15</p>
Selection:	All participants in the study were invited but out of 3734 individuals only 3150 have results from the PWV/PWA-measurements. The measurements were conducted about 4 to 13 months (median 280 days) after the ultra sound examination, which with few exceptions was the first visit in the study. Some individuals had died or were diseased, other did not accept the invitation. In addition, individuals with unstable heart rythm (due to e.g. atrial fibrillation or arrhythmia) could not be measured.
Source:	<p>For the arterial stiffness measurements a SphygmoCor was used. The output values generated by the machine were means of approximately 10 heart beats. A specific study protocol was used. Blood pressure for the PWV measurement was taken twice in the right arm after a 5 minute rest. Blood pressure for PWA was measured once before the PWA measurements.</p> <p>The pulse wave velocity (PWV) was measured over the aorta. Pulse curves from the carotid and femoral arteries were obtained with a pressure sensitive probe, and the time from the R-wave in an ECG to the beginning of the pulse wave was measured. PWV was automatically calculated as the time difference between carotid pulse–R wave and femoral pulse–R wave, divided with the distance between the two measurement points.</p> <p>Pulse wave augmentation index (PWA) was calculated automatically from the pulse curve obtained from the right radial artery. From this curve also the central blood pressure was automatically calculated.</p>
Data editing:	The SphygmoCor machine generated two separate types of data files with results: PWV (Pulse Wave Velocity) and PWA (Pulse Wave Analysis), respectively. Usually the measurements were repeated by the operator 3 times per individual (for PWV up to 5, and for PWA up to 4 times). The repetitions are represented as separate data lines in the files PWV_allrec and PWA_allrec, where the values in each dataline are the mean of approximately 10 heart beats. In the file PWV_PWA_mean averages of the values in the two files mentioned above are given, as a result this file contains only one data line per individual.
Reference:	Nilsson, P M och Östling, G. 2012. Sammanställning av variabelinformation som baseras på artärmätningar i MKC KVA ÅUS. Opublicerat manuskript. Lund universitet, Inst för Kliniska vetenskaper.

List of variables

PWV_PWA_mean (one record with averages per individual)

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	

Name	Variable label	Type	Format	Value label
dat_pvw	Date at measurement of pulse wave velocity (pww) and augmentation index (pwa). <i>Remarks:</i> Original variable name is DATETIME (day/month/year have been extracted). The dates at pww and pwa measurements are identical. The date at pwa measurement has been used if date at pww measurement was missing.	Date	SDATE10	
hght_pvw	Height (cm). <i>Remarks:</i> The height at pwa measurement has been used if height at pww measurement was missing.	Numeric	F3	
wght_pvw	Weight (kg). <i>Remarks:</i> The weight at pwa measurement has been used if weight at pww measurement was missing.	Numeric	F3	
PWV				
sp_pvw	Systolic blood pressure, measured (mmHg). <i>Remarks:</i> Average of two measurements. Measured with an OMRON. Original variable name is SP.	Numeric	F3	
dp_pvw	Diastolic blood pressure, measured (mmHg). <i>Remarks:</i> Average of two measurements. Measured with an OMRON. Original variable name is DP.	Numeric	F3	
px_dist	Measured distance fossa jugularis to carotid artery (mm). <i>Remarks:</i> Original variable name is PX_DIST.	Numeric	F3	
dt_dist	Measured distance fossa jugularis to femoral artery (mm). <i>Remarks:</i> Original variable name is DT_DIST.	Numeric	F3	
pww_dist	Difference dt_dist minus px_dist (mm). <i>Remarks:</i> Original variable name is PWW_DIST.	Numeric	F3	
pp_mtX	Average transit time for the pulse wave (based on nrec_mt measurements). <i>Remarks:</i> The time in milliseconds from the R-wave to the beginning of the pulse wave in the femoral artery minus the time in milliseconds from the R-wave to the beginning of the pulse wave in the carotid artery. Original variable name is PP_MDT.	Numeric	F4.1	
pp_dvX	Average standard deviation of pp_mt (based on nrec_pvw measurements). <i>Remarks:</i> Calculated as SUM(pp_dv)/nrec_pvw. Original variable name is PP_DEVIATION.	Numeric	F4.1	
pwwX	Average pulse wave velocity (c-fPWV) (based on nrec_pvw measurements) (m/sec). <i>Remarks:</i> Original variable name is PWW.	Numeric	F4.1	
pwwerrX	Average standard deviation of pww (based on nrec_pvw measurements). <i>Remarks:</i> Original variable name is PWWERR.	Numeric	F4.1	
A_HRcarX	Average heart rate at registration of carotid artery (based on nrec_pvw measurements) (bpm). <i>Remarks:</i> The variable has been created from records of A_HR and B_HR with SUBTYPE=CAROTID.	Numeric	F3	
A_MTcarX	Average time from R wave to the beginning of the pulse wave in carotid artery (based on nrec_pvw measurements) (ms). <i>Remarks:</i> The variable has been created from records of A_MDT and B_MDT with SUBTYPE=CAROTID.	Numeric	F5.1	
A_DVcarX	Average standard deviation of A_MTcar (based on nrec_pvw measurements). <i>Remarks:</i> Calculated as SUM(A_DVcar)/nrec_AB. The variable has been created from records of A_DEVIATION_DT and B_DEVIATION_DT with SUBTYPE=CAROTID.	Numeric	F4.1	

Name	Variable label	Type	Format	Value label
B_HRfemX	Average heart rate at registration of femoral artery (based on nrec_pwv measurements) (bpm). <i>Remarks:</i> The variable has been created from records of A_HR and B_HR with SUBTYPE=FEMORAL.	Numeric	F3	
B_MTfemX	Average time from R wave to the beginning of the pulse wave in femoral artery (based on nrec_pwv measurements) (ms). <i>Remarks:</i> The variable has been created from records of A_MDT and B_MDT with SUBTYPE=FEMORAL.	Numeric	F5.1	
B_DVfemX	Average standard deviation of B_Mtfem (based on nrec_pwv measurements). <i>Remarks:</i> Calculated as SUM(B_DVfem)/nrec_pwv. The variable has been created from records of A_DEVIATION_DT and B_DEVIATION_DT with SUBTYPE=FEMORAL.	Numeric	F4.1	
nrec_mt	Number of measurements of the variable pp_mt	Numeric	F1	
nrec_pwv	Number of measurements of the variables px_dst, dt_dst, pwv_dst, pp_dv, pwv, pwvrr, A_HRcar, A_MTcar, A_DVcar, B_HRfem, B_MTfem and B_DVfem	Numeric	F1	
PWA				
p_sp	Peripheral systolic blood pressure, measured (mmHg). <i>Remarks:</i> Measured with an OMRON, mean of two measurements. Original variable name is P_SP.	Numeric	F3	
p_dp	Peripheral diastolic blood pressure, measured (mmHg). <i>Remarks:</i> Measured with an OMRON, mean of two measurements. Original variable name is P_DP.	Numeric	F3	
edX	Average ejection duration (based on nrec_pwa measurements) (ms). <i>Remarks:</i> Original variable name is ED.	Numeric	F3	
op_indX	Average quality of investigation (based on nrec_pwa measurements) (%). <i>Remarks:</i> Value should be above 90%. Original variable name is Operatorindex	Numeric	F3	
p_meanpX	Average peripheral mean pressure, calculated (mmHg). <i>Remarks:</i> The true mean pressure is calculated by integration over the pressure waveform. The pressure can be different even with the same peripheral SP and DP because the shape of the waveform is not the same. Original variable name is P_MEANP.	Numeric	F3	
hr_pwaX	Average heart rate (based on nrec_pwa measurements) (bpm). <i>Remarks:</i> Original variable name is HR.	Numeric	F3	
c_agphX	Average augmentation index (based on nrec_pwa measurements) (%). <i>Remarks:</i> Original variable name is C_AGPH.	Numeric	F2	
c_ag75X	Average augmentation index adjusted for heart rate of 75 bpm (based on nrec_pwa measurements) (%). <i>Remarks:</i> Original variable name is C_AGPH_HR75.	Numeric	F2	
c_spX	Average central systolic blood pressure, calculated (based on nrec_pwa measurements) (mmHg). <i>Remarks:</i> Original variable name is C_SP.	Numeric	F3	
c_dpX	Average central diastolic blood pressure, calculated (based on nrec_pwa measurements) (mmHg). <i>Remarks:</i> Original variable name is C_DP.	Numeric	F3	
c_meanpX	Average central mean pressure, calculated (based on nrec_pwa measurements) (mmHg). <i>Remarks:</i> Original variable name is C_MEANP.	Numeric	F3	

Name	Variable label	Type	Format	Value label
c_ap75X	Average central augmented pressure adjusted for heart rate of 75 bpm (based on nrec_pwa measurements) (mmHg). <i>Remarks:</i> Original variable name is C_AP_HR75.	Numeric	F2	
nrec_pwa	Number of measurements of pwa (all variables associated with augmentation index).	Numeric	F1	

PWV_allrec (all records per individual)

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
pp_mt	Transit time for the pulse wave. <i>Remarks:</i> The time in milliseconds from the R-wave to the beginning of the pulse wave in the femoral artery minus the time in milliseconds from the R-wave to the beginning of the pulse wave in the carotid artery. Original variable name is PP_MDT.	Numeric	F4.1	
pp_dv	Standard deviation of pp_mt. <i>Remarks:</i> Original variable name is PP_DEVIATION.	Numeric	F4.1	
pwv	Pulse wave velocity (c-fPWV) (m/sec). <i>Remarks:</i> Original variable name is PWV.	Numeric	F4.1	
pwverr	Standard deviation of pwv. <i>Remarks:</i> Original variable name is PWVERR.	Numeric	F4.1	
A_HRcar	Heart rate at registration of carotid artery (bpm). <i>Remarks:</i> The variable has been created from records of A_HR and B_HR with SUBTYPE=CAROTID.	Numeric	F3	
A_MTcar	Time from R wave to the beginning of the pulse wave in carotid artery (ms). <i>Remarks:</i> The variable has been created from records of A_MDT and B_MDT with SUBTYPE=CAROTID.	Numeric	F5.1	
A_DVcar	Standard deviation of A_MTcar. <i>Remarks:</i> The variable has been created from records of A_DEVIATION_DT and B_DEVIATION_DT with SUBTYPE=CAROTID.	Numeric	F4.1	
B_HRfem	Heart rate at registration of femoral artery (bpm). <i>Remarks:</i> The variable has been created from records of A_HR and B_HR with SUBTYPE=FEMORAL.	Numeric	F3	
B_MTfem	Time from R wave to the beginning of the pulse wave in femoral artery (ms). <i>Remarks:</i> The variable has been created from records of A_MDT and B_MDT with SUBTYPE=FEMORAL.	Numeric	F5.1	
B_DVfem	Standard deviation of B_MTfem. <i>Remarks:</i> The variable has been created from records of A_DEVIATION_DT and B_DEVIATION_DT with SUBTYPE=FEMORAL.	Numeric	F4.1	

PWA_allrec (all records per individual)

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	

Name	Variable label	Type	Format	Value label
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
incon	Inconclusive (Jag vet inte vad det betyder, avvakta tills jag hunnit titta). <i>Remarks:</i> Original variable name is Inconclusive.	Numeric	F1	0 = No 1 = Yes
ref_age	Reference age. <i>Remarks:</i> Original variable name is ReferenceAge.	String	A3	
ed	Ejection duration (ms). <i>Remarks:</i> Original variable name is ED.	Numeric	F3	
op_ind	Quality of investigation (%). <i>Remarks:</i> Value should be above 90%. Original variable name is Operatorindex	Numeric	F3	
p_meanp	Average peripheral mean pressure, calculated (mmHg). <i>Remarks:</i> The true mean pressure is calculated by integration over the pressure waveform. The pressure can be different even with the same peripheral SP and DP because the shape of the waveform is not the same. Original variable name is P_MEANP.	Numeric	F3	
hr_pwa	Heart rate (bpm). <i>Remarks:</i> Original variable name is HR.	Numeric	F3	
c_agph	Augmentation index (%). <i>Remarks:</i> Original variable name is C_AGPH.	Numeric	F2	
c_ag75	Augmentation index adjusted for heart rate of 75 bpm (%). <i>Remarks:</i> Original variable name is C_AGPH_HR75.	Numeric	F2	
c_sp	Central systolic blood pressure, calculated (mmHg). <i>Remarks:</i> Original variable name is C_SP.	Numeric	F3	
c_dp	Central diastolic blood pressure, calculated (mmHg). <i>Remarks:</i> Original variable name is C_DP.	Numeric	F3	
c_meanp	Central mean pressure, calculated (mmHg). <i>Remarks:</i> Original variable name is C_MEANP.	Numeric	F3	
c_ap75	Central augmented pressure adjusted for heart rate of 75 bpm (mmHg). <i>Remarks:</i> Original variable name is C_AP_HR75.	Numeric	F2	

Contents:	The questionnaire contains questions about the participants memory function, capacity for thinking, communication skills, orientability and practical ability, as well as dementia or neurologic disease among relatives
# lines:	3 330
# variables:	23
Selection:	All participants in the study were invited but out of 3734 individuals only 3330 have results from the cognitive questionnaire. The cognitive questionnaire was filled in about 4 to 13 months (median 290 days) after the ultra sound examination, which with few exceptions was the first visit in the study. Some individuals had died or were diseased, other did not accept the invitation.
Source:	Data have been derived from the cognitive questionnaire filled in by the participating individuals.

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
kog1	Upplever Du en nedsatt minnesfunktion nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog2	Upplever Du en nedsatt tankeförmåga nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog3	Upplever Du en nedsatt kommunikationsförmåga nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog4	Upplever Du en nedsatt orienteringsförmåga nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog5	Upplever Du någon nedsättning i praktiskt förmåga dvs förmågan att klara av vardagssysslor, nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog6	Upplever Du någon annan nedsättning av hjärnans tankefunktioner nu jämfört med tidigare?	Numeric	F1	1 = Ja 2 = Nej 3 = Vet ej/Kan ej bedöma
kog7_1	Känner Du till om demens förekommer i Din släkt?	Numeric	F1	1 = Ja, hos föräldrar, syskon eller barn
kog7_2	Känner Du till om demens förekommer i Din släkt?	Numeric	F1	2 = Ja, hos mor-/farföräldrar, moster, farbror, kusin
kog7_3	Känner Du till om demens förekommer i Din släkt?	Numeric	F1	3 = Nej
kog7_4	Känner Du till om demens förekommer i Din släkt?	Numeric	F1	4 = Vet ej
kog8	Om förekomst av demens på moders sida, ange diagnos	Numeric	F1	1 = Alzheimer's sjukdom 2 = Vaskulär demens 3 = Frontallobsdemens 4 = Annan typ av demens 5 = Vet ej
kog9	Om förekomst av demens på faders sida, ange diagnos	Numeric	F1	1 = Alzheimer's sjukdom 2 = Vaskulär demens 3 = Frontallobsdemens 4 = Annan typ av demens 5 = Vet ej

Name	Variable label	Type	Format	Value label
kog10	Om förekomst av demens hos syskon, ange diagnos	Numeric	F1	1 = Alzheimer's sjukdom 2 = Vaskulär demens 3 = Frontallobsdemens 4 = Annan typ av demens 5 = Vet ej
kog11_1	Känner Du till om neurologisk sjukdom förekommer i Din släkt?	Numeric	F1	1 = Ja, hos föräldrar, syskon eller barn
kog11_2	Känner Du till om neurologisk sjukdom förekommer i Din släkt?	Numeric	F1	2 = Ja, hos mor-/farföräldrar, moster, farbror, kusin
kog11_3	Känner Du till om neurologisk sjukdom förekommer i Din släkt?	Numeric	F1	3 = Nej
kog11_4	Känner Du till om neurologisk sjukdom förekommer i Din släkt?	Numeric	F1	4 = Vet ej
kog12	Om förekomst av neurologisk sjukdom på moders sida, ange diagnos	Numeric	F1	1 = Parkinson's sjukdom 2 = ALS 3 = MS 4 = Annan neurologisk sjukdom 5 = Vet ej
kog13	Om förekomst av neurologisk sjukdom på faders sida, ange diagnos	Numeric	F1	1 = Parkinson's sjukdom 2 = ALS 3 = MS 4 = Annan neurologisk sjukdom 5 = Vet ej
kog14	Om förekomst av neurologisk sjukdom hos syskon, ange diagnos	Numeric	F1	1 = Parkinson's sjukdom 2 = ALS 3 = MS 4 = Annan neurologisk sjukdom 5 = Vet ej

Contents:	Results from two types of tests for determination of cognitive functions and dementia: Mini Mental Test (MMT) and A Quick Test (AQT)
# lines:	3 329
# variables:	18
Selection:	All participants in the study were invited but out of 3734 individuals only 3 329 have results from the MMT/AQT-examinations. The measurements were conducted about 4 to 13 months (median 290 days) after the ultra sound examination, which with few exceptions was the first visit in the study. Some individuals had died or were diseased, other did not accept the invitation.
Source:	Data have been derived from the MMT/AQT form filled in by a nurse at the Clinical Research Unit

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
dat_mmt	Datum för MMT test och AQT	Date	SDATE10	
mmt1	Orientering (0-10 poäng)	Numeric	F2	
mmt2	Registrering (0-3 poäng)	Numeric	F1	
mmt3	Uppmärksamhet (0-5 poäng)	Numeric	F1	
mmt4	Minne (0-3 poäng)	Numeric	F1	
mmt5	Språk (0-2 poäng)	Numeric	F1	
mmt6	Repetition (0-1 poäng)	Numeric	F1	
mmt7	3-steps (0-3 poäng)	Numeric	F1	
mmt8	Läsförståelse (0-1 poäng)	Numeric	F1	
mmt9	Skrivförmåga (0-1 poäng)	Numeric	F1	
mmt10	Kopiering (0-1 poäng)	Numeric	F1	
mmt_tot	Total summa (mmt1-mmt10) (0-30 poäng)	Numeric	F2	
aqt1	Färg	Numeric	F3	
aqt2	Form	Numeric	F3	
aqt3	Färg + Form	Numeric	F3	

Contents:	Results from cognitive test Montreal Cognitive Assessment (MOCA)
# lines:	861
# variables:	14
Selection:	Testing with MOCA started consecutively on April 29, 2011. All participants in the MMT/AQT examinations were offered the MOCA test from that date with the exception of about 20 individuals due to lack of time by nurse. The MOCA test was performed at the same day as the MMT/AQT examination. Somewhat more than 10 individuals could not perform all tasks in the MOCA test due to visual impairment or colour-blindness.
Source:	Data have been derived from the MOCA test form filled in by a nurse at the Clincial Research Unit
Reference:	www.mocatest.org

List of variables

Name	Variable label	Type	Format	Value label
pnr12	Civil registration number (social security number) (String)	String	A12	
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5	
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5	
edu_year	Education years	Numeric	F2	
visuospa	MOCA visuospatial/executive	Numeric	F1	
naming	MOCA naming	Numeric	F1	
attent_1	MOCA attention digits	Numeric	F1	
attent_2	MOCA attention letters	Numeric	F1	
attent_3	MOCA attention subtraction	Numeric	F1	
langua_1	MOCA language repeat	Numeric	F1	
langua_2	MOCA language fluency	Numeric	F1	
abstr	MOCA abstraction	Numeric	F1	
del_reca	MOCA delayed recall	Numeric	F1	
orient	MOCA orientation	Numeric	F1	