

## MDC CV - Lab results Baseline 1992-1994

2023-09-26

<b>Contents:</b>	Laboratory analyses of blood samples, drawn after the baseline screening date. The blood sampling is considered baseline although it occurred about 9 months (mean 291 days, median 262 days, SD 135 days) after the initial baseline screening.
<b># lines:</b>	6 103
<b># variables:</b>	17
<b>Selection:</b>	Cardiovascular (CV) cohort of MDC. Every other individual in the MDC cohort screened between 1991 to 1994 was invited to a CV project, 6 103 individuals accepted the invitation, about 5 500 further participated in an extended examination, including laboratory analyses.
<b>Reference:</b>	Hedblad B, Nilsson P, Janzon L, Berglund G. Relation between insulin resistance and carotid intima-media thickness and stenosis in non-diabetic subjects. Results from a cross-sectional study in Malmö, Sweden. <i>Diabet Med.</i> 2000;17(4):299-307.

### List of variables

Name	Variable label	Type	Format	Value label	Male	Female
<b>Laboratory variables</b>						
lopnrMKC	Sequence number for baseline examination in the MDC cohort (Numeric)	Numeric	F5		2572	3531
lopnr_ul	Sequence number for ultrasound examination in MDC-CV cohort (also named patnr_ul)	Numeric	F5		2572	3531
labd	Date of blood sampling (fasting) for laboratory variables. <i>Remarks:</i> Sampling was performed about 9 months after start_d (=MDC baseline screening date, which is derived from sdate in Bodycomp and DATUM in Cellcounter).	Date	SDATE10		2293	3240
time	Time between u_dat (date of carotid ultrasound baseline examination) and labd (date of fasting blood sampling for laboratory variables) (yrs). <i>Remarks:</i> time=labd-u_dat. Blood sampling (labd) was conducted about 9 months after the ultrasound baseline examination (u_dat). For more than 97% of the 6103 individuals in MDC-CV u_dat is identical to the MDC baseline screening date (start_d) and the MDC Bodycomp examination date (sdate).	Numeric	F4.2		2293	3240
orsak	Reason for not attending fasting laboratory test (blood sampling)	Numeric	F1	1 = invited, absent 2 = invited, declined participation 3 = migrated 4 = invited, no samples taken 5 = administrative problems 6 = deceased	279	291
kolest	Total cholesterol (mmol/l). <i>Remarks:</i> Standardized analyses of serum samples (fasting) were carried out at the Department of Clinical Chemistry, Malmö University Hospital.	Numeric	F5.2		2285	3226
trigl	Triglycerides (mmol/l). <i>Remarks:</i> Standardized analyses of serum samples (fasting) were carried out at the Department of Clinical Chemistry, Malmö University Hospital.	Numeric	F5.2		2282	3228

Name	Variable label	Type	Format	Value label	Male	Female
hdl	High density lipoprotein (HDL) (mmol/l). <i>Remarks:</i> Standardized analyses of serum samples (fasting) were carried out at the Department of Clinical Chemistry, Malmo University Hospital.	Numeric	F4.2		2260	3193
ldl	Low density lipoprotein (LDL) (mmol/l). <i>Remarks:</i> Calculated according to following formula for trigl-values <=4.5: $ldl = kolest-hdl - (trigl/2.2)$ , ref Friedewald WT et al (Clin Chem 1972;18:499-502).	Numeric	F5.2		2217	3154
ldlhdlkv	LDL/HDL ratio	Numeric	F5.2		2217	3154
hba1c	HbA1c (%). <i>Remarks:</i> Analyzed with the Swedish Mono-S standardization system (corresponding to 7.0% according to the US National Glycohemoglobin Standardization Program [NGSP])	Numeric	F4.1		2278	3224
glucos	Fasting (fB) glucose (mmol/l). <i>Remarks:</i> Standardized analyses of serum samples (fasting) were carried out at the Department of Clinical Chemistry, Malmo University Hospital.	Numeric	F4.1		2283	3225
p_ins	Plasma insulin (mIU). <i>Remarks:</i> p_ins values below 3 set to 2.9	Numeric	F3	2.9 = p_ins<3 (values below 3 set to 2.9) -99 = missing	2198	3110
nobgluk	Non fasting at blood glucose sampling	Numeric	F1	1 = no fasting blood glucose	1	2
lpa	Lipoprotein (a) (mg/l)	Numeric	F4		665	1019
apob	ApolipoproteinB (mg/l)	Numeric	F4		839	1307
lipoper	Lipoperoxidas (mg/l)	Numeric	F3.1		677	959