MDC CV - IMT Unadjusted Baseline 1991-1994

2023-09-26

Contents:	Common carotid intima-media thickness (IMT) and carotid plaque data obtained from B-mode ultrasonography examination of the right carotid artery using an Acuson 128 CT system (Mountain View, CA, USA) with a 7-MHz transducer. Original (unadjusted) IMT baseline values.
# lines:	6 103
# variables:	19
Selection:	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.
Reference:	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. Diabet Med. 2000;17(4):299-307. Rosvall M, Janzon L, Berglund G, Engström G, Hedblad B. Incident coronary events and case fatality in relation to common carotid intima-media thickness. J Intern Med. 2005;257(5):430-7.

List of variables

Name	Variable label	Type	Format	Value label	Male	Female
Unadjusted original IMT-variables from MDC baseline 1991-1994						
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
u_dat	Date of carotid ultrasound baseline examination. *Remarks*: The variable u_dat equals date0 (see data with adjusted IMT-variables) for all individuals except for two, lopnrMKC=28996 and lopnrMKC=40313. These two individuals were examined twice at baseline, results from the first examination was used for the unadjusted IMT-variables (u_dat to plack6), but data from the second examination (with date equal to sdate in Bodycomp) was used for the adjusted IMT-variables (date0 to aplqsc_0, see separate data file). About 98% of the individuals in MDC-CV have identical dates for u_dat and start_d (the latter is MDC baseline screening date, which is derived from sdate in Bodycomp and DATUM in Cellcounter).	Date	SDATE10		2572	3531
stenos	Carotid stenos at baseline examination (% lumenreduction at plaques)	Numeric	F2		2234	3043
lumendia	Lumendiameter in the common carotid artery at baseline examination (mm)	Numeric	F5.2		2471	3448
imtmin	Minimum intima-media-thickness in the common carotid artery at baseline examination (mm)	Numeric	F4.2		2547	3510

Name	Variable label	Type	Format	Value label	Male	Female
imtmedel	Mean intima-media-thickness (unadjusted) in the common carotid artery at baseline examination (mm). *Remarks:* The variable imtmedel equals the unadjusted imtcca0 value (i e without subtraction of the term 0,026) (see data with adjusted IMT-variables) for all individuals except for two individuals (see the variable descriptions for u_dat for further explanation of these two individuals).	Numeric	F4.2		2547	3510
imtmax	Maximal intima-media-thickness in the common carotid artery at baseline examination (mm)	Numeric	F4.2		2547	3510
imt_bmax	Maximal intima-media-thickness (unadjusted) in the carotid bifurcation at baseline examination (mm). *Remarks:* The variable imt_bmax equals the unadjusted imtbulb0 value (i e without subtraction of the term 0,042) (see data with adjusted IMT-variables) for all individuals except for two individuals (see the variable descriptions for u_dat for further explanation of these two individuals).	Numeric	F4.2		1790	2357
plq3	Plaque score (3-point scale) at baseline examination. *Remarks*: Only available for lopnr_ul=1-1679 (until 19920531). The variable plq3 equals the plqsc3_0 value (see data with adjusted IMT-variables) for all individuals except for two, lopnrMKC=40313 (see the variable description for u_dat for further explanation of this individual) and lopnrMKC=43731 (reason for discrepancy is unclear).	Numeric	F1	0 = no plaque 1 = one plaque 2 = two or more plaques -9 = missing (no result available)	588	1012
plq6	Plaque score (6-point scale) at baseline examination. *Remarks*: Only available for lopnr_ul=1680-6117 (from 19920601). The variable plq6 equals the plqsc6_0 value for all individuals except for one, lopnrMKC=40313 (see the variable description for u_dat for further explanation of this individual).	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm2) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm2) or wall thickenings (>1,2 mm) 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 one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	1867	2382
sten	Classes of stenosis (derived from the variable 'stenos').	Numeric	F1	0 = no stenos 1 = stenos 5-29% 2 = stenos >29%	2234	3043
imt_m	Quintiles of the variable 'imtmedel' (men).	Numeric	F1	1 = lo-0.659 mm 2 = 0.660-0.729 mm 3 = 0.730-0.809 mm 4 = 0.810-0.909 mm 5 = 0.910-hi mm	2270	0
imtb_m	Quintiles of the variable 'imt_bmax' (men).	Numeric	F1	1 = lo-1.011 mm 2 = 1.012-1.229 mm 3 = 1.230-1.509 mm 4 = 1.510-1.999 mm 5 = 2.000-hi mm	1590	0
imt_k	Quintiles of the variable 'imtmedel' (women).	Numeric	F1	1 = lo-0.639 mm 2 = 0.640-0.699 mm 3 = 0.700-0.759 mm 4 = 0.760-0.839 mm 5 = 0.840-hi mm	0	3224

Name	Variable label	Type	Format	Value label	Male	Female
imtb_k	Quintiles of the variable 'imt_bmax' (women).	Numeric	F1	1 = lo-0.959 mm 2 = 0.960-1.129 mm 3 = 1.130-1.349 mm 4 = 1.350-1.749 mm 5 = 1.750-hi mm	0	2161
plaque	Presence of carotid plaque (derived from the variables 'plq3' and 'plq6').	Numeric	F1	0 = no 1 = yes (plq3>=1 or plq6>=2)	2455	3394
plack6	Presence of plaque determined using the 6-point scale (derived from the variable 'plq6').	Numeric	F1	0 = no 1 = yes (plq6>=2)	1867	2382
hr	Heart rate at ultrasound baseline examination (beats per minute). *Remarks*: Only available for lopnr_ul=1690-6117.	Numeric	F3		1921	2436