

MDC CV - IMT Adjusted 1991-2001

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. IMT-data (used for examinations at baseline, BCAPS and HOMA). Another ultrasonography machine (which?) was used for the PLAQUE study. In order to make the IMT-data from the baseline/BCAPS/HOMA studies comparable with corresponding data from the PLAQUE study the IMT-data from the three former studies have been adjusted.
# lines:	6 103
# variables:	33
References:	<p>Baseline: 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.</p> <p>Rosvall M, Janzon L, Berglund G, Engström G, Hedblad B. Incident coronary events and case fatality in relation to common carotid intima-media thickness. <i>J Intern Med.</i> 2005;257(5):430-7.</p> <p>BCAPS: Hedblad B, Wikstrand J, Janzon L, Wedel H, Berglund G. Low-dose metoprolol CR/XL and fluvastatin slow progression of carotid intima-media thickness: Main results from the Beta-Blocker Cholesterol-Lowering Asymptomatic Plaque Study (BCAPS). <i>Circulation.</i> 2001;103:1721-26.</p> <p>HOMA: Nilsson P, Engström G, Hedblad B, Frystyk J, Persson M, Berglund G, Flyvbjerg A. Plasma adiponectin levels in relation to carotid intima media thickness and markers of insulin resistance. <i>Arterioscler Thromb Vasc Biol.</i> 2006;26(12):2758-62</p> <p>PLAQUE: ?</p>

List of variables

Name	Variable label	Type	Format	Value label	Male	Female
Adjusted IMT variables aimed for comparison between examinations (from baseline to plaque)						
Baseline examination 1991-1994 (n=6103)						
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
date0	Date of baseline IMT examination. <i>Remarks:</i> About 98% of the individuals in MDC-CV have identical dates for date0 and start_d (=MDC baseline screening date, which is derived from sdate in Bodycomp and DATUM in Cellcounter).	Date	SDATE10		2572	3531
imtblb0	Adjusted maximal intima media thickness in the carotid bifurcation at baseline examination (mm). <i>Remarks:</i> The term 0,042 has been subtracted from its original value to make imtblb0 comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort).The original variable name is 'imt_bmax'.	Numeric	F4.2	-9 = missing (no result available)	1790	2357

Name	Variable label	Type	Format	Value label	Male	Female
imtcca0	Adjusted mean intima-media-thickness in the common carotid artery at baseline examination (mm). <i>Remarks:</i> The term 0,026 has been subtracted from its original value to make imtcca0 comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort).The original variable name is 'imtmedel'.	Numeric	F4.2	-9 = missing (no result available)	2547	3510
plqsc3_0	Plaque score (3-point scale) at baseline examination. <i>Remarks:</i> Only for lopnr_ul=1-1679 (until 19920531).	Numeric	F1	0 = no plaque 1 = one plaque 2 = two or more plaques -9 = missing (no result available)	588	1011
plqsc6_0	Plaque score (6-point scale) at baseline examination. <i>Remarks:</i> Only for lopnr_ul=1680-6117 (from 19920601).	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	1867	2383
aplqsc_0	Artificial plaque score (plqsc6_0 values after 19920601 transformed to a 3-point scale) at baseline examination. <i>Remarks:</i> Transformation of 'plqsc3_0' and 'plqsc6_0' scores as follows: 0 = plqsc3_0[0], plqsc6_0[0] 1 = plqsc3_0[1], plqsc6_0[1,2,3] 2 = plqsc3_0[2], plqsc6_0[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	2455	3394
Examination BCAPS sub cohort 1994-1996 (n=1544)						
datumb	Date of BCAPS IMT examination.	Date	SDATE10		687	857
imtblbb	Adjusted maximal intima media thickness in the carotid bifurcation at BCAPS examination (mm). <i>Remarks:</i> The term 0,042 has been subtracted from its original value to make imtblbb comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort).The original variable name is 'imt_bmax'.	Numeric	F4.2	-9 = missing (no result available)	653	824
imtccab	Adjusted mean intima-media-thickness in the common carotid artery at BCAPS examination (mm). <i>Remarks:</i> The term 0,026 has been subtracted from its original value to make imtccab comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort).The original variable name is 'imtmedel'.	Numeric	F4.2	-9 = missing (no result available)	686	856

Name	Variable label	Type	Format	Value label	Male	Female
plqsc6_b	Plaque score (6-point scale) at BCAPS examination.	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	687	857
aplqsc_b	Artificial plaque score (plqsc6_b values transformed to a 3-point scale) at BCAPS examination. <i>Remarks:</i> Transformation of 'plqsc6_b' scores as follows: 0 = plqsc6_b[0] 1 = plqsc6_b[1,2,3] 2 = plqsc6_b[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	687	857
Examination HOMA sub cohort 1998-2000 (n=908)						
datumh	Date of HOMA IMT examination.	Date	SDATE10		384	524
imtblbh	Adjusted maximal intima media thickness in the carotid bifurcation at HOMA examination (mm). <i>Remarks:</i> The term 0,042 has been subtracted from its original value to make imtblbh comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort). The original variable name is 'imt_bmax'.	Numeric	F4.2	-9 = missing (no result available)	340	462
imtcch	Adjusted mean intima-media-thickness in the common carotid artery at HOMA examination (mm). <i>Remarks:</i> The term 0,026 has been subtracted from its original value to make imtcch comparable with corresponding values from the PLAQUE subcohort (due to newer machine in the latter subcohort). The original variable name is 'imtmedel'.	Numeric	F4.2	-9 = missing (no result available)	382	523
plqsc6_h	Plaque score (6-point scale) at HOMA examination.	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	380	517
aplqsc_h	Artificial plaque score (plqsc6_h values transformed to a 3-point scale) at HOMAe examination. <i>Remarks:</i> Transformation of 'plqsc6_h' scores as follows: 0 = plqsc6_h[0] 1 = plqsc6_h[1,2,3] 2 = plqsc6_h[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	380	517

Examination PLAQUE sub cohort 2000-2001 (n=623)						
datump	Date of PLAQUE IMT examination.	Date	SDATE10		259	364
imtblbp	Maximal intima media thickness (original value) in the carotid bifurcation at PLAQUE examination (mm). The original variable name is 'imt_bmax'.	Numeric	F4.2	-9 = missing (no result available)	231	335
imtccap	Mean intima-media-thickness (original value) in the common carotid artery at PLAQUE examination (mm). The original variable name is 'imtmedel'.	Numeric	F4.2	-9 = missing (no result available)	258	362
plqsc6_p	Plaque score (6-point scale) at PLAQUE examination.	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	258	362
aplqsc_p	Artificial plaque score (plqsc6_p values after 19920601 transformed to a 3-point scale) at PLAQUE examination. <i>Remarks:</i> Transformation of 'plqsc6_p' scores as follows: 0 = plqsc6_p[0] 1 = plqsc6_p[1,2,3] 2 = plqsc6_p[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	258	362
First re-examination after MDC baseline						
date1	Date of first IMT re-examination	Date	SDATE10		1132	1476
imtblb1	Maximal intima media thickness in the carotid bifurcation at first re-examination	Numeric	F4.2	-9 = missing (no result available)	1043	1366
imtcca1	Mean intima-media-thickness in the common carotid artery at first re-examination	Numeric	F4.2	-9 = missing (no result available)	1129	1474
plqsc6_1	Plaque score (6-point scale) at first re-examination	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	1127	1468
aplqsc_1	Artificial plaque score (3-point scale) at first re-examination, obtained by transformation of [plqsc6_1].. <i>Remarks:</i> Transformation of 'plqsc6_1' scores as follows: 0 = plqsc6_1[0] 1 = plqsc6_1[1,2,3] 2 = plqsc6_1[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	1127	1468
Second re-examination after MDC baseline						
date2	Date of second IMT re-examination	Date	SDATE10		198	269

imtblb2	Maximal intima media thickness in the carotid bifurcation at second re-examination	Numeric	F4.2	-9 = missing (no result available)	181	255
imtcca2	Mean intima-media-thickness in the common carotid artery at second re-examination	Numeric	F4.2	-9 = missing (no result available)	197	267
plqsc6_2	Plaque score (6-point scale) at second re-examination	Numeric	F1	0 = no plaque or wall thickening 1 = one small plaque (<10 mm ²) or one wall thickening (>1,2 mm) 2 = two or more small plaques (<10 mm ²) or wall thickenings (>1,2 mm) 3 = one plaque >=10 mm ² 4 = one plaque >=10 mm ² and one or more small plaques or wall thickenings 5 = two or more plaques >=10 mm ² , and/or one circumferent plaque and/or one large plaque with >50 % stenosis -9 = missing, no result available	198	268
aplqsc_2	Artificial plaque score (3-point scale) at second re-examination, obtained by transformation of [plqsc6_2]. <i>Remarks:</i> Transformation of 'plqsc6_2' scores as follows: 0 = plqsc6_2[0] 1 = plqsc6_2[1,2,3] 2 = plqsc6_2[4,5]	Numeric	F1	0 = lowest 1 = medium 2 = highest -9 = missing (no result available)	198	268