

Cohort, Exam 4**Ultrasound data****Reader Trend Adjusted Shifted Variables for Far Wall Thickness**

Similar to reader trend adjusted derived variables but includes a race/sex/site specific constant added at visit 4 (and also at visit2, visit3 old equipment, at visit3 new equipment) to make mean wall thickness the same as at visit1 for the same race/sex/site/age/BMI.

Variable Name	Description
ID	ARIC SUBJECT ID (CIR)
LBIDJS45	Imputed R/T adjusted av45, shifted, LBI
LBIDWT45	Weight for LBIDJS45: < 1 implies Imputed
LINDJS45	Imputed R/T adjusted av45, shifted, LIN
LINDWT45	Weight for LINDJS45: < 1 implies Imputed
LOPDJS45	Imputed R/T adjusted av45, shifted, LOP
LOPDWT45	Weight for LOPDJS45: < 1 implies Imputed
MND45_1S	MEAN OF THE JS45 VARIABLES
RBIDJS45	Imputed R/T adjusted av45, shifted, RBI
RBIDWT45	Weight for RBIDJS45: < 1 implies Imputed
RINDJS45	Imputed R/T adjusted av45, shifted, RIN
RINDWT45	Weight for RINDJS45: < 1 implies Imputed
ROPDJS45	Imputed R/T adjusted av45, shifted, ROP
ROPDWT45	Weight for ROPDJS45: < 1 implies Imputed
SUMWTD45	WEIGHT FOR MND45_1S (=NO. OF OBS SITES/6)

Data Set Names

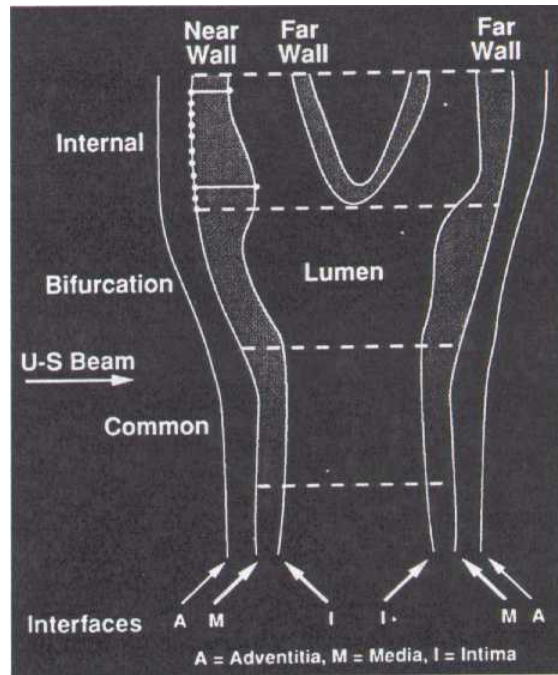
The data sets containing these variables are: RTASBF4x, RTASBM4x, RTASWF4x, and RTASWM4x, where rtas indicates the variables are reader trend adjusted shifted, the next two letters indicate the gender-race group (B-black, W-white, M-male, F-female), the 4 indicates it is a visit 4 data set, and x is 1 which is a placeholder for the version of the data set.

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B-Mode Derived Variable Site Prefixes

LBI	Left Bifurcation
RBI	Right Bifurcation
LIN	Left Internal Carotid
RIN	Right Internal Carotid
LOP	Left Common Carotid: Optimal Angle
ROP	Right Common Carotid: Optimal Angle
QCC1	First QC Repeat Scan (refer to QC01 for site identification)
QCC2	Second QC Repeat Scan (refer to QC02 for site identification)

Schematic Overview of Carotid Artery B-Mode Ultrasound Measurements



Interfaces

- 1- Boundary between the periadventitia and adventitia of the near wall (not measured)
- 2- Boundary between the adventitia and media of the near wall
- 3- Boundary between the intima of the near wall and the blood
- 4- Boundary between blood and intima of the far wall
- 5- Boundary between media and adventitia of the far wall
- 6- Boundary between adventitia and periadventitia of the far wall (not measured)

Max 23 = B-A; Max 45 = D-C; Min 34 = H-G

The extracranial carotid system is divided into one-centimeter segments: I = internal carotid; II = carotid bifurcation; III = common carotid. A maximum of eleven measurements is made by URC readers on each arterial wall interface, in each arterial segment. These measurements are placed equidistant at 1 millimeter intervals, represented by the eleven points placed on interface B2 on the internal carotid. Also shown on this schematic is the definition of a maximum and a minimum wall thickness variable. Computational formulae for these variables are shown in this appendix.

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Reader trend adjusted derived variables for far wall thickness - white male

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Present	Text suppressed

<i>LBIDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.277129 - 5.121098 (median=0.900341 mean=0.9970713 std=0.4421496)

<i>LBIDWT45</i>		<i>Weight For LBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
119	0.166666667	
182	0.333333333	
262	0.5	
208	0.666666667	
157	0.833333333	
1642	1	

<i>LINDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.12993 - 3.765311 (median=0.725492 mean=0.7947880 std=0.3693272)

<i>LINDWT45</i>		<i>Weight For LIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
120	0.166666667	
206	0.333333333	
264	0.5	
264	0.666666667	
191	0.833333333	
1525	1	

<i>LOPDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.228599 - 3.416264 (median=0.709584 mean=0.7401288 std=0.2252649)

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<i>LOPDWT45</i>		<i>Weight For LOP: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
89	0.1666666667	
77	0.3333333333	
68	0.5	
36	0.6666666667	
19	0.8333333333	
2281	1	

<i>MND45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.429474 - 3.110675 (median=0.813166 mean=0.8732543 std=0.2587736)

<i>RBIDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.221255 - 5.129989 (median=0.999329 mean=1.1296228 std=0.5355964)

<i>RBIDWT45</i>		<i>Weight For RBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
125	0.1666666667	
180	0.3333333333	
210	0.5	
200	0.6666666667	
114	0.8333333333	
1741	1	

<i>RINDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.161563 - 5.724527 (median=0.750156 mean=0.8513373 std=0.4831057)

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<i>RINDWT45</i>		<i>Weight For RIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
118	0.1666666667	
198	0.3333333333	
266	0.5	
245	0.6666666667	
159	0.8333333333	
1584	1	

<i>ROPDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
2570	Range	0.209469 - 4.38436 (median=0.694103 mean=0.7265776 std=0.2470413)

<i>ROPDWT45</i>		<i>Weight For ROP: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
74	0.1666666667	
77	0.3333333333	
64	0.5	
41	0.6666666667	
5	0.8333333333	
2309	1	

<i>SUMWTD45</i>		<i>Weight For MND45_1S(=no. Of Obs Sites/6)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
129	0.1666666667	
230	0.3333333333	
378	0.5	
497	0.6666666667	
645	0.8333333333	
691	1	

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<i>TEMPL</i>		<i>TEMPL</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
120	0.1666666667	
206	0.3333333333	
264	0.5	
264	0.6666666667	
191	0.8333333333	
1525	1	

<i>TEMPR</i>		<i>TEMPR</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
118	0.1666666667	
198	0.3333333333	
266	0.5	
245	0.6666666667	
159	0.8333333333	
1584	1	