

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.

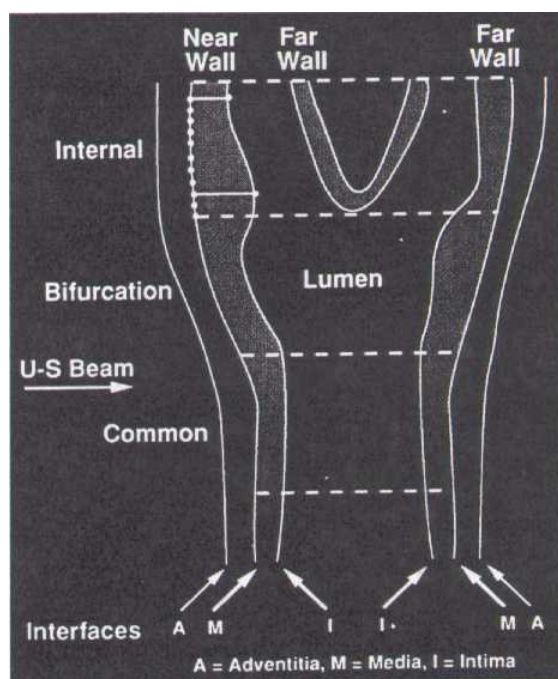
Cohort, Exam 4

Appendix A

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.

Cohort, Exam 4**Ultrasound data**

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

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

<i>LBIDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.40101 - 4.138368 (median=0.929948 mean=1.0139739 std=0.4194741)

<i>LBIDWT45</i>		<i>Weight For LBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
57	0.16666666 67	
69	0.33333333 33	
61	0.5	
47	0.66666666 67	
15	0.83333333 33	
214	1	

<i>LINDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.271873 - 2.803381 (median=0.671196 mean=0.7125051 std=0.2552110)

Cohort, Exam 4

<i>LINDWT45</i>		<i>Weight For LIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
55	0.16666666 67	
64	0.33333333 33	
69	0.5	
49	0.66666666 67	
29	0.83333333 33	
197	1	

<i>LOPDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.336202 - 2.433214 (median=0.716481 mean=0.7468545 std=0.2077423)

<i>LOPDWT45</i>		<i>Weight For LOP: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
40	0.16666666 67	
21	0.33333333 33	
9	0.5	
3	0.66666666 67	
1	0.83333333 33	
389	1	

<i>MND45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.461491 - 2.339031 (median=0.775957 mean=0.8296135 std=0.2230120)

<i>RBIDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.424752 - 3.615759 (median=0.934895 mean=1.0204186 std=0.4011796)

Cohort, Exam 4

<i>RBIDWT45</i>		<i>Weight For RBI: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
56	0.16666666 67	
67	0.33333333 33	
64	0.5	
46	0.66666666 67	
17	0.83333333 33	
213	1	

<i>RINDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.241626 - 6.328857 (median=0.673198 mean=0.7342699 std=0.3979955)

<i>RINDWT45</i>		<i>Weight For RIN: < 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
55	0.16666666 67	
67	0.33333333 33	
79	0.5	
53	0.66666666 67	
18	0.83333333 33	
191	1	

<i>ROPDJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
463	Range	0.229726 - 2.06517 (median=0.721648 mean=0.7496591 std=0.2145289)

Cohort, Exam 4

ROPDWT45		Weight For ROP: < 1 Implies Imputed
N	Value	Description
32	0.16666666 67	
16	0.33333333 33	
12	0.5	
2	0.66666666 67	
1	0.83333333 33	
400	1	

SUMWTD45		Weight For MND45_1S(=no. Of Obs Sites/6)
N	Value	Description
59	0.16666666 67	
76	0.33333333 33	
98	0.5	
100	0.66666666 67	
81	0.83333333 33	
49	1	

TEMPL		TEMPL
N	Value	Description
55	0.16666666 67	
64	0.33333333 33	
69	0.5	
49	0.66666666 67	
29	0.83333333 33	
197	1	

Cohort, Exam 4

TEMPR		TEMPR
<i>N</i>	<i>Value</i>	<i>Description</i>
55	0.16666666 67	
67	0.33333333 33	
79	0.5	
53	0.66666666 67	
18	0.83333333 33	
191	1	