

**Cohort, Exam 3**

Ultrasound data  
Reader Trend Adjusted Shifted Derived Variables for Far Wall Thickness

Similar to the reader trend adjusted variables described in section 3.3, but includes a race/sex/site specific constant added at visit2 and visit3 old equipment and 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)
LBICJS45	Imputed R/T adjusted av45, shifted, LBI
LBICWT45	Weight for LBICJS45: < 1 implies Imputed
LINCJS45	Imputed R/T adjusted av45, shifted, LIN
LINCWT45	Weight for LINCJS45: < 1 implies Imputed
LOPCJS45	Imputed R/T adjusted av45, shifted, LOP
LOPCWT45	Weight for LOPCJS45: < 1 implies Imputed
MNC45_1S	MEAN OF THE JS45 VARIABLES
RBICJS45	Imputed R/T adjusted av45, shifted, RBI
RBICWT45	Weight for RBICJS45: < 1 implies Imputed
RINCJS45	Imputed R/T adjusted av45, shifted, RIN
RINCWT45	Weight for RINCJS45: < 1 implies Imputed
ROPCJS45	Imputed R/T adjusted av45, shifted, ROP
ROPCWT45	Weight for ROPCJS45: < 1 implies Imputed
SUMWTC45	WEIGHT FOR MNC45_1S (=NO. OF OBS SITES/6)

**Data Set Names**

The data sets containing these variables are: RTASBF3x, RTASBM3x, RTASWF3x, and RTASWM3x, where rta 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 3 indicates it is a visit 3 data set, and x is a placeholder for the version of the data set.

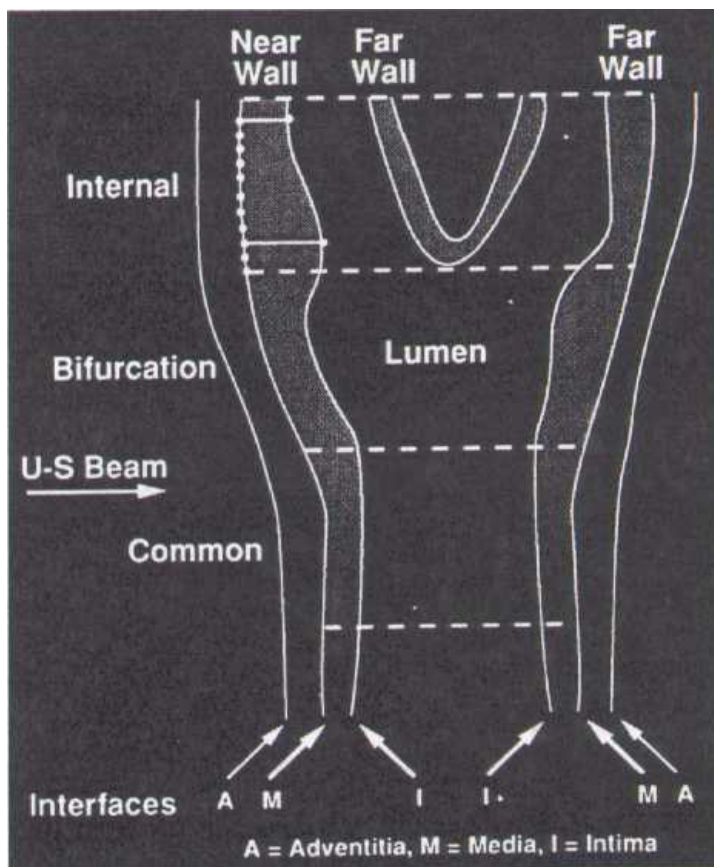
**Cohort, Exam 3**

## 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 3****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>
946	Present	Text suppressed

<i>LBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.356718 - 4.602618 ( median=0.866097 mean=0.9427364 std=0.3947037 )

<i>LBICWT45</i>		<i>Weight For LBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
67	0.1666666667	
109	0.3333333333	
109	0.5	
85	0.6666666667	
52	0.8333333333	
524	1	

<i>LINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.229501 - 3.12522 ( median=0.63249 mean=0.668337 std=0.219079 )

<i>LINCWT45</i>		<i>Weight For LIN: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
66	0.1666666667	
95	0.3333333333	
109	0.5	
91	0.6666666667	
44	0.8333333333	
541	1	

<i>LOPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, LOP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.279488 - 2.639329 ( median=0.697803 mean=0.7227280 std=0.1978174 )

**Cohort, Exam 3**

<i>LOPCWT45</i>		<i>Weight For LOP: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
40	0.1666666667	
35	0.3333333333	
15	0.5	
7	0.6666666667	
3	0.8333333333	
846	1	

<i>MNC45_1S</i>		<i>Mean Of The JS45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.457899 - 2.369416 ( median=0.747619 mean=0.7918516 std=0.1925775 )

<i>RBICJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.314542 - 3.730965 ( median=0.895982 mean=0.9735741 std=0.3986588 )

<i>RBICWT45</i>		<i>Weight For RBI: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
71	0.1666666667	
113	0.3333333333	
132	0.5	
89	0.6666666667	
38	0.8333333333	
503	1	

<i>RINCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, RIN</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.232269 - 4.505953 ( median=0.680001 mean=0.7256868 std=0.2815026 )

**Cohort, Exam 3**

<i>RINCWT45</i>		<i>Weight For RIN: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
69	0.1666666667	
106	0.3333333333	
138	0.5	
106	0.6666666667	
68	0.8333333333	
459	1	

<i>ROPCJS45</i>		<i>Imputed R/T Adjusted av45, Shifted, ROP</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
946	Range	0.310449 - 2.427648 ( median=0.699508 mean=0.7180477 std=0.1938520 )

<i>ROPCWT45</i>		<i>Weight For ROP: &lt; 1 Implies Imputed</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
47	0.1666666667	
34	0.3333333333	
22	0.5	
6	0.6666666667	
1	0.8333333333	
836	1	

<i>SUMWTC45</i>		<i>Weight For MNC45_1S(=no. Of Obs Sites/6)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
72	0.1666666667	
123	0.3333333333	
175	0.5	
192	0.6666666667	
206	0.8333333333	
178	1	