

Cohort, Exam 1**Ultrasound Data****Reader Trend Adjusted Derived Variables for Far Wall Thickness**

Because of method drift over the visit and systematic differences between readers, an additional set of far wall thickness variables was derived to adjust for these problems. These are the Reader Trend Adjusted (RTA) variables for the far wall thickness (ie boundaries 4 and 5) as illustrated in the schematic in Appendix A. The following variables appear in the RTA data files.

Variable Name	Description
id	Aric subject id
lateread	=1 if scandate on or after May 15, 1987 =0 if scandate before May 15, 1987
lbiart45	Imputed RTA far wall thickness, LBIA
lbiawt45	Weight for lbiart45
linart45	Imputed RTA far wall thickness, LINA
linawt45	Weight for linart45
lopart45	Imputed RTA far wall thickness, LOPA
lopawt45	weight for lopart45
mna45_1	Mean of the *rt45 variables
rbiart45	Imputed RTA far wall thickness, RBIA
rbiawt45	Weight for rbiart45 variables
rinart45	Imputed RTA far wall thickness, RINA
rinawt45	Weight for rinart45 variables
ropart45	Imputed RTA far wall thickness, ROPA
ropawt45	Weight for ropart45
sumwta45	Weight for mna45_1 (= number of obs sites / 6)

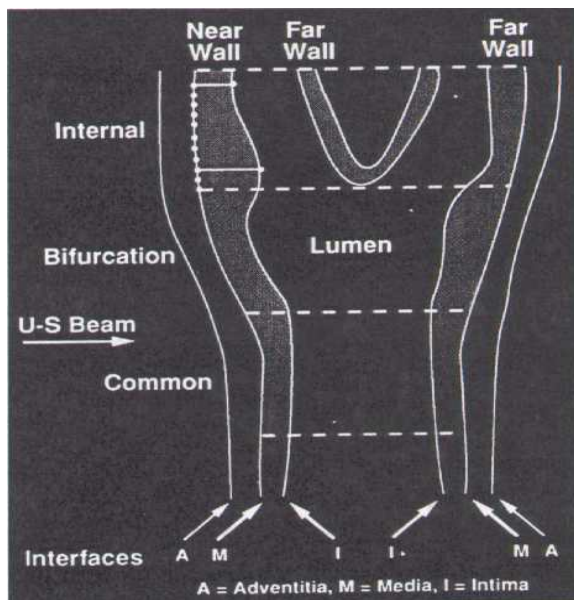
Data Set Names

The data sets containing these variables are: RT**03 where x**=BF, BM, WF, and WM for black female, black male, white female, white female, respectively.

Cohort, Exam 1**Appendix A**

B-Mode Derived Variable Site Prefixes

LAN	Left Common Carotid: Anterior Angle
RAN	Right Common Carotid: Anterior Angle
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
LPO	Left Common Carotid: Posterior Angle
RPO	Right Common Carotid: Posterior Angle
LPP	Left Popliteal
RPP	Right Popliteal
QC1	First QC Repeat Scan (refer to QC01 for site identification)
QC2	Second QC Repeat Scan (refer to QC02 for site identification)

Schematic Overview of Carotid Artery B-Mode Ultrasound Measurements

Interfaces:	1-	Boundary between the periaortic 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 periaortic 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.

Cohort, Exam 1**Ultrasound data**

Reader trend adjusted - black male

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Present	Text suppressed

<i>LATEREAD</i>		<i>1=scandate>=15may87, 0=scandate<15may87</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
104	0	Scandate on or after May 15, 1987
1337	1	Scandate before May 15, 1987
3		Missing

<i>LBIART45</i>		<i>Imputed RTA far wall thickness, LBI A</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	0.280259 - 3.5072 (median=0.85324 mean=0.904598 std=0.315078)

<i>LBIAWT45</i>		<i>Weight For LBIART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
112	0.1666666667	
194	0.3333333333	
219	0.5	
106	0.6666666667	
47	0.8333333333	
766	1	

<i>LINART45</i>		<i>Imputed RTA far wall thickness, LINA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	-0.24815 - 3.8327 (median=0.652186 mean=0.6932620 std=0.2748367)

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<i>LINAWT45</i>		<i>Weight For LINART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
112	0.1666666667	
210	0.3333333333	
250	0.5	
208	0.6666666667	
98	0.8333333333	
566	1	

<i>LOPART45</i>		<i>Imputed RTA far wall thickness, LOPA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	0.257561 - 2.63069 (median=0.669504 mean=0.6970255 std=0.1867427)

<i>LOPAWT45</i>		<i>Weight For LOPART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
75	0.1666666667	
53	0.3333333333	
46	0.5	
10	0.6666666667	
6	0.8333333333	
1254	1	

<i>MNA45_1</i>		<i>Mean Of The RT45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	0.405927 - 2.060087 (median=0.730093 mean=0.7645205 std=0.1798432)

<i>RBIART45</i>		<i>Imputed RTA far wall thickness, RBIA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	0.334962 - 3.86429 (median=0.839994 mean=0.8885340 std=0.3175222)

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<i>RBIART45</i>		<i>Weight For RBIART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
113	0.1666666667	
188	0.3333333333	
164	0.5	
96	0.6666666667	
28	0.8333333333	
855	1	

<i>RINART45</i>		<i>Imputed RTA for wall thickness, RINA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	-0.13454 - 3.61253 (median=0.677045 mean=0.7105281 std=0.2676034)

<i>RINAWT45</i>		<i>Weight For RINART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
112	0.1666666667	
207	0.3333333333	
250	0.5	
204	0.6666666667	
100	0.8333333333	
571	1	

<i>ROPART45</i>		<i>Imputed RTA for wall thickness, ROPA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
1444	Range	0.217375 - 1.58287 (median=0.674328 mean=0.6931757 std=0.1781907)

<i>ROPAWT45</i>		<i>Weight For ROPART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
61	0.1666666667	
48	0.3333333333	
37	0.5	
14	0.6666666667	
3	0.8333333333	
1281	1	

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SUMWTA45		Weight for MNA45_1 (= number of obs sites / 6)
<i>N</i>	<i>Value</i>	<i>Description</i>
117	0.1666666667	
225	0.3333333333	
322	0.5	
319	0.6666666667	
282	0.8333333333	
179	1	