

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)

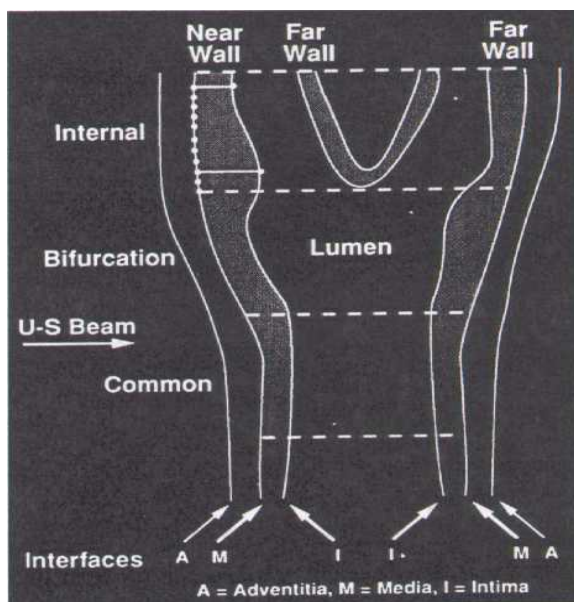
Data Set Names

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 - white male

<i>ID</i>		<i>Aric Subject ID (Cir)</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Present	Text suppressed

<i>LATEREAD</i>		<i>1=scandate>=15may87, 0=scandate<15may87</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
425	0	Scandate on or after May 15, 1987
4686	1	Scandate before May 15, 1987

<i>LBIART45</i>		<i>Imputed RTA far wall thickness, LBI</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.25454 - 4.06231 (median=0.841894 mean=0.9022645 std=0.3342510)

<i>LBIAWT45</i>		<i>Weight For LBIART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
381	0.1666666667	
525	0.3333333333	
545	0.5	
409	0.6666666667	
153	0.8333333333	
3098	1	

<i>LINART45</i>		<i>Imputed RTA far wall thickness, LINA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.143486 - 3.79203 (median=0.669128 mean=0.7220708 std=0.2860823)

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<i>LINAWT45</i>		<i>Weight For LINART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
403	0.1666666667	
637	0.3333333333	
743	0.5	
671	0.6666666667	
353	0.8333333333	
2304	1	

<i>LOPART45</i>		<i>Imputed RTA for wall thickness, LOPA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.266304 - 2.05743 (median=0.648299 mean=0.6725481 std=0.1711668)

<i>LOPAWT45</i>		<i>Weight For LOPART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
268	0.1666666667	
290	0.3333333333	
209	0.5	
91	0.6666666667	
47	0.8333333333	
4206	1	

<i>MNA45_1</i>		<i>Mean Of The RT45 Variables</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.403379 - 2.740555 (median=0.737388 mean=0.7813633 std=0.2021959)

<i>RBIART45</i>		<i>Imputed RTA for wall thickness, RBIA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.096122 - 4.73358 (median=0.854652 mean=0.9278824 std=0.3798572)

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<i>RBIAWT45</i>		<i>Weight For RBIART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
382	0.1666666667	
548	0.3333333333	
510	0.5	
328	0.6666666667	
135	0.8333333333	
3208	1	

<i>RINART45</i>		<i>Imputed RTA for wall thickness, RINA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.189159 - 5.57556 (median=0.759764 mean=0.8197976 std=0.3516125)

<i>RINAWT45</i>		<i>Weight For RINART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
401	0.1666666667	
651	0.3333333333	
742	0.5	
649	0.6666666667	
334	0.8333333333	
2334	1	

<i>ROPART45</i>		<i>Imputed RTA for wall thickness, ROPA</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
5111	Range	0.239024 - 3.51713 (median=0.62015 mean=0.643616 std=0.171204)

<i>ROPAWT45</i>		<i>Weight For ROPART45</i>
<i>N</i>	<i>Value</i>	<i>Description</i>
275	0.1666666667	
273	0.3333333333	
227	0.5	
136	0.6666666667	
60	0.8333333333	
4140	1	

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SUMWTA45		Weight for MNA45_1 (= number of obs sites / 6)
<i>N</i>	<i>Value</i>	<i>Description</i>
422	0.1666666667	
731	0.3333333333	
992	0.5	
1142	0.6666666667	
1082	0.8333333333	
742	1	