

## The ARIC STUDY: Interviews and Procedures by Examination

PROCEDURES	V1 1986-90 15,792	V2 1990-93 14,348	V3 1993-95 12,887	V4 1995-99 11,656	Brain MRI 2004-06 1,067	Carotid MRI 2005-06 2,066	V5 2011-13 6,538	V5 NCS MRI 2011-13 1,968	V6 2016-17 4,003	V7 2018-19
<b>ANTHROPOMETRY</b>										
HEIGHT										
Sitting Height	X									
Standing Height	X		X	X	S	S	X		X	X
FRAME SIZE										
Elbow		X								
Wrist	X									
GIRTHS										
Calf	X									
Hip	X	X	X	X		S	X		X	X
Waist	X	X	X	X		S	X		X	X
ARM CIRCUMFERENCE						S			A	
BIO-IMPEDANCE							X		X	X
SKINFOLDS										
Subscapular	X	X								
Triceps	X	X								
WEIGHT	X	X	X	X	S	S	X		X	
ABILITY TO STAND									X	

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<b>MALE BALDNESS</b>				X						
<b>BLOOD PRESSURE</b>										
Sitting (brachial)	X	X	X	X	S	S	X		X	X
Supine (brachial)	X		S	S						
Standing (brachial)	X		S	S						
Ankle	X		X	X			X			
<b>CT SCAN</b>										A
<b>GUT MICROBIOME</b>										A
<b>HEARING</b>									X	X
<b>HEARING INTERVENTION</b>										A
<b>HEART RATE</b>	X	X	X	X	S	S (1)	X		X	
<b>ECHOCARDIOGRAPHY</b>										
Jackson			X							
All Field Centers							X		A	A
<b>ABDOMINAL AORTA SCAN</b>							X			
<b>ELECTROCARDIOGRAMS</b>										
2-Minute Rhythm Strip	X									
12-Lead	X	X	X	X			X			
Heart Rate Variability	X			A						

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<b>PULSE WAVE VELOCITY</b>							X		A	A
<b>GLYCEMIC LOAD</b>				X		S (2)			X	
<b>MEDICAL DATA REVIEW</b>	X	X	X	X			X		X	
<b>MRI</b>										
<b>CEREBRAL</b>										A
Forsyth County			S		S			S	S	
Jackson			S		S			S	S	
Minneapolis								S	S	
Washington County								S	S	
<b>CAROTID</b>						S				
<b>PERIPHERAL NEUROPATHY</b>									X	
<b>PERIODONTAL EXAMINATION</b>				A						
<b>PHYSICAL EXAMINATION</b>										
Walking/Standing	X				S		X		X	X
Neck	X									
Cardiopulmonary	X									
Lung Sounds							X			
Breast	X									

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Lower extremities	X									
Urine collection				X			X		X	
<b>SPECIMEN COLLECTION</b>										
Blood	X	X	X	X	S	S	X		X	
Urine				X		S	X		X	
Saliva						S			A	
<b>PULMONARY FUNCTION</b>										
FEV <sub>1</sub>	X	X					X			
FVC	X	X					X			
Max. Inspir. Pressure		X								
<b>RETINAL PHOTOGRAPHY</b>			X			S		S		A
<b>ULTRASOUND (B-MODE)</b>										
Carotid arteries	X	X	S	S						
Distensibility	X	X								
Popliteal artery	X									
<b>VENIPUNCTURE</b>										
<b>CHEMISTRIES</b>										
Glucose	X	X	X	X		S	X			
Creatinine	X	X		X		S	X			

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Insulin	X			X			X			
Total Protein	X									
Albumin	X						X			
Uric Acid	X	X		X			X			
Urea Nitrogen	X									
Calcium	X									
Phosphorous	X									
Magnesium	X	X								
Sodium	X	X								
Potassium	X	X								
Glucose Tolerance HbA1c				X						
		A					X			
Thyroid Stimulating Hormone							X			
Thyroxine								S		
Triiodothyronine								S		
Thyroid peroxidase antibody								S		
Vitamin B12								S		

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Cystatin-C							X			
High Sensitive C-Reactive Protein							X			
High Sensitive Troponin-T							X			
NT-proBNP							X			
<b>HEMOGRAM</b>										
Hematocrit	X	X					X			
Hemoglobin	X	X					X			
White Blood Cell Count	X	X					X			
Red Blood Cell Count							X			
Mean Cell Volume							X			
Platelet Count	X	X					X			
Neutrophil Count	X	X								
Neutrophil Bands	X	X								
Granulocyte							X			
Granulocyte percentage							X			
Lymphocytes	X	X					X			
Lymphocyte percentage							X			
Monocytes	X	X					X			

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Monocyte percentage							X			
Eosinophils	X	X								
Basophiles	X	X								
Mean Corpuscular Volume		X								
Mean Corpuscular hemoglobin							X			
Mean Corpuscular hemoglobin concentration							X			
Red cell distribution width							X			
<b>HEMOSTASIS</b>										
Factor VIII	X		S							
Factor VII	X									
Activated PTT (aPTT)	X									
Fibrinogen	X		S							
Von Willebrand Factor	X									
Protein C	X									
Antithrombin III (AT-III)	X									
<b>LIPIDS</b>										

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HDL Subfractions	X									
Apo AI	X	X								
Apo B	X	X								
Total Cholesterol	X	X	X	X		S	X			
Total Triglyceride	X	X	X	X		S	X			
HDL Cholesterol	X	X	X	X		S	X			
LDL Cholesterol	X	X	X	X		S	X			
Lipoprotein [a]	X									
<b>OTHER</b>										
Remnant LP-C						S				
Hemoglobin A1C						S				
<b>URINE SPECIMEN</b>										
<b>CHEMISTRIES</b>										
Creatinine				A		S	X			
Microalbumin				A		S	X			
Albumin/Creatinine Ratio				A			X			
<b>SALIVARY SPECIMEN</b>										
<b>CHEMISTRIES</b>										
Salivary cortisol						S				



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<b>INTERVIEWS</b>										
Access and Quality of Care							X			
Blood Transfusion				X						
CES-D Scale					S	S	X		X	
Cognitive Function		X	MRI	X	S	S	X			
Neurocognitive Test Battery					S			X	X	
Diabetes									X	X
Dietary Intake	X	S	X	S						
Minnesota						S				
Epworth Sleepiness Scale									X	X
Falls									X	A
Family History of CHD		X			S					
Fasting Status	X	X	X	X			X			
Health History	X	X	X	X	S					
Home Interview	X									
Identification	X	Updated	Updated	Updated	Updated		Updated		Updated	Updated
Inflammation				X						
Informed Consent	X	X	X	X	S	S	X	X		

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Medication Survey	X	X	X	X	S	S	X		X	X
Ophthalmic History						S (3)				
Personal History	X	X	X	X	S	S	X		X	
Physical Ability				X	S				X	
Physical Activity	X		X		S	S (4)	X		X	X
Physical Function							X		X	X
Reproductive History	X	X	X	X						
Respiratory Symptoms	X	X					X			X
SF12 Health Survey							X		X	
Smoking and Alcohol Use							X		X	X
Social Support	X	X	X	X						
Socioeconomic Status	A	A	A	A		(5)				
TIA/Stroke	X	X	X	X	S	S				
Trait Anger		X		X						
Vital Exhaustion		X								
Vitamin Survey			X		S					
<b>NEUROCOGNITIVE TESTS</b>										
CES Depression							X		X	X
Mini-Mental State							X		X	
Subjective Memory							X			

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Clinical Dementia Rating								S	S	X
Hachinski Ischemic Scale								S		
Neurologic History								S	X	X
Neurologic Family History								S		
Neuropsychiatric Inventory								S	S	X
Physical & Neurological Exam								S		X
Unified Parkinson's Dis. Rating					S			S		

S=Sample of the cohort; A=Ancillary study mechanism

- (1) As part of sitting blood pressure examination.
- (2) From nutrition data (collected only at Minnesota).
- (3) As part of the retinal photographic examination.
- (4) Work activity questions from prior interviews were not included.
- (5) Household sociodemographics obtained as part of Personal History interview.