

**Measurements in the Health ABC Study**  
(Revised 9/28/00)

<b>Exam Components</b>	<b>Year 1 (1997-1998)</b>	<b>Year 2 (1998-1999)</b>	<b>Year 3 (1999-2000)</b>	<b>Year 4 (2000-2001)</b>	<b>Year 5 Proposed (2001-2002)</b>	<b>Year 6 Proposed (2002-2003)</b>	<b>Year 7 Proposed (2003-2004)</b>
<b>Anthropometry</b>							
- Circumferences							
- Abdominal circumference	X						X
- Sagittal diameter	X						X
- Thigh circumference	X						
- Height, sitting	X						
- Height, standing	X			X			
- Weight	X	X	X	X	X	X	X
<b>Arterial venous blood gas</b>			X				
<b>Arterial pulse wave velocity</b>	X						
<b>Blood collection</b>							
<b>Assays</b>	X	X	X	X	X	X	X
- 2-hour glucose (after glucola)	X					X	
- Albumin	X						
- Alkaline phosphatase	X						
- Blood count			X				
- Cholesterol, total	X			X			X
- Cholesterol, HDL	X						X
- Cholesterol, LDL	X						X
- Creatinine	X						
- Cytokine assays							
- CRP	X						
- IL-6	X						
- Leptin	X						
- PAI-1	X						
- TNFa	X						
- Fasting glucose	X	X		X		X	X
- Fasting insulin	X					X	
- Free T4 value (sample assayed for when TSH value is an alert)		X					
- Hemoglobin A1C	X			X			
- Thyroid stimulating hormone		X					
- Triglycerides	X						X
<b>Stored</b>	X	X	X	X	X		X
- Buffy coat	X						X
- Citrate	X	X					
- Cryopreserved buffy coat		X					
- EDTA plasma	X	X		X	X		X
- Platelets		X					
- RBC	X						
- SCAT-1	X						
- Serum	X	X	X	X	X		X
- Vitamin C		X					
<b>Blood pressure</b>							
- Ankle-arm blood pressure	X			X			X
- Blood pressure, seated	X	X	X	X	X	X	X
- Blood pressure, standing	X	X		X		X	X

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<b>Cognitive assessment</b>							
- CLOX 1			X		X		X
- Digit symbol substitution (DSST)	X				X		X
- Exit 15			X				
- Rapid Estimate of Adult Literacy in Medicine (REALM)			X				
- Teng Mini-Mental State (3MS)	X		X		X		X
- Cognitive vitality substudy			X (subset)		X (subset)		X (subset)
- Buschke Selective Reminder Test (SRT)			X (subset)		X (subset)		X (subset)
- Activity assessment			X (subset)		X (subset)		X (subset)
- Social contact			X (subset)		X (subset)		X (subset)
- Personality assessment			X (subset)		X (subset)		X (subset)
- Boxes test			X (subset)		X (subset)		X (subset)
- Digit copying test			X (subset)		X (subset)		X (subset)
- Pattern comparison test			X (subset)		X (subset)		X (subset)
- Letter comparison test			X (subset)		X (subset)		X (subset)
- Simple reaction time test			X (subset)		X (subset)		X (subset)
- Digit digit test			X (subset)		X (subset)		X (subset)
- Digit symbol test			X (subset)		X (subset)		X (subset)
<b>Computed tomography (CT)</b>							
- CT - abdominal fat	X				X		
- CT - thigh muscle	X				X		
- CT - vertebral BMD	X (subset)				X (subset)		
<b>Dental/periodontal exam frequency)</b>		X	X (con't)				
<b>DXA</b>		X	X (subset)			X	
- DXA, hip	X		X		X		X
- DXA, whole body	X	X	X	X	X	X	X
<b>ECG, Resting</b>	X			X			X
<b>Energy expenditure</b>							
- Doubly-labeled water		X (subset)	X (subset)				
- Resting metabolic rate		X (subset)	X (subset)				
<b>Flu substudy</b>				X (subset)	X (subset)	X (subset)	
<b>Joint evaluation</b>		X					
- Hands		X					
- Hip, internal rotation		X			X		
- Knee crepitus		X	X (HV only)	X (HV only)	X	X (HV only)	X (HV only)
<b>Medication Inventory</b>	X	X	X	X (HV only)	X	X (HV only)	X
<b>Olfaction</b>			X				
<b>Osteoarthritis assessment</b>							
- Knee MRI		X (subset)	X (subset)		X (subset)	X (subset)	X (subset)
- Knee x-ray		X (subset)	X (subset)	X (subset)	X (subset)	X (subset)	X (subset)

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<b>Performance measures</b>							
- 4-meter walk		X (HV only)	X (HV only)	X (HV only)	X(HV only)	X(HV only)	X(HV only)
- 20-meter walk	X	X	X	X	X	X	X
- Balance walks							
- Usual pace walk	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
- 20 cm narrow walk	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
- Chair stands	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
- Finger tapping	X						
- Grip strength	X	X	X (HV only)	X	X(HV only)	X	X
- Isokinetic muscle fatigue (Kin-Com)			X				
- Isokinetic strength (Kin-Com)	X	X		X		X	X
- Isometric strength (chair)			X	X (HV only)	X(HV only)	X(HV only)	X(HV only)
- Long distance corridor walk	X	X		X		X	X
- Standing balance							
- Semi-tandem stand	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
- Tandem stand	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
- One-leg stand	X	X (HV only)	X (HV only)	X	X(HV only)	X	X
<b>Peripheral neuropathy</b>							
- Monofilament				X			
- Peroneal motor nerve conduction				X			
- Vibration perception				X			
<b>Pulmonary function</b>	X				X		
<b>Radial pulse</b>		X	X	X (HV only)	X(HV only)	X	X
<b>Respiratory rate</b>		X					
<b>Temperature</b>		X					
<b>Ultrasound of heel</b>		X	X (HV only)	X (HV only)	X	X(HV only)	X(HV only)
<b>Urine collection</b>							
- Urine, acidified	X	X			X	X	X
- Urine, plain	X	X			X	X	X
<b>Vision</b>							
- Bailey-Lovie distance visual acuity			X				
- Frisby stereo test			X				
- Pelli-Robson contrast sensitivity			X				
<b>Weight change substudy</b>				X (subset)	X (subset f/u only)		
<b>Proposed future exams</b>							
- Ankle strength					X		
- Lower extremity power (Kin-Com? Power rig?)					X		
- Shoulder range of motion					X		
- Dementia substudy							X (subset)
- Hearing					X		