

Longevity Consortium: List of Measured Phenotypes

Items in bold are part of the NIA recommended Minimum Set of Measures for
Human Studies of Exceptional Longevity

	SOF	HABC	WHI	Rotterdam Study	Rancho Bernardo	CHS	Honolulu Heart Program	MrOS	Beaver Dam Eye Study
<i>Age</i>									
Stated age	X	X	X	X	X	X	X	X	X
Validated age	X	X	X	X		X	X	X	-
Survivorship of study subjects relative to source population	-	-	-	X	X	-	-	-	X
<i>Sociodemographic Factors</i>									
Birth cohort	X	X	X	X	X	X	X	X	X
Gender	X	X	X	X	X	X	X	X	X
Race	X	X	X	X	X	X	X	X	X
Ethnicity	-	-	X	X	X	X	X	X	X
Education	X	X	X	X	X	X	X	X	X
<i>Place of Residence</i>									
Nursing home vs. Private home	X	X	-	X	X	X	X	X	X
Ancestry	X	-	-	-	X	-	-	-	X
Marital status	X	X	X	X	X	X	X	-	X
<i>Smoking Status</i>									
Current and Past Use	X	X	X	X	X	X	X	X	X
Alcohol Use	X	X	X	X	-	X	X	X	X
Caffeine consumption	X	X	-	X	-	-	X	-	X
<i>Socioeconomic status</i>									
Income	-	X	X	X	-	X	X	-	X
Current occupation/occupation history	-	-	X	-	X	X	X	X	X
Access to Care	-	X	X	X	X	X	-	-	-
Physical Activity	X	X	X	X	X	X	X	X	X
<i>Diet</i>									
Food Frequency Questionnaire (FFQ)	X	X	X	X	X	-	X	X	-
Appetite and Eating Behavior	-	X	-	X	-	-	-	-	-
Caloric Intake/Semiquantitative FFQ	-	-	-	X	X	X	X	-	-
Special diet	-	-	X	X	X	X	X	X	-
Weight Loss/Gain	X	-	X	X	X	X	X	X	X
Vitamin Supplements	X	-	X	X	X	X	X	X	X

Longevity Consortium: List of Measured Phenotypes

Items in bold are part of the NIA recommended Minimum Set of Measures for
Human Studies of Exceptional Longevity

	SOF	HABC	WHI	Rotterdam Study	Rancho Bernardo	CHS	Honolulu Heart Program	MrOS	Beaver Dam Eye Study
Family Information									
Parental Longevity	X	X	X	X	-	X	X	X	-
Family history of osteoporosis	X	-	X	X	X	-	-	X	-
Family history of cardiovascular disease	-	-	X	X	-	X	X	-	-

Health

Heart Disease

Self-reported abnormal electrocardiogram	X	-	X	X	-	-	-	X	-
Heart attack	X	X	X	X	X	X	X	X	X
Angina	X	-	X	X	X	X	X	X	X
Heart murmur	X	-		X	-	-	X	X	-
Congestive heart failure	X	X		X	X	X	X	X	-
Hypertension	X	X	X	X	X	X	X	X	X
Rose Angina	-	X	-	X	-	X	X	X	-
Rheumatic heart disease	-	X	-	X	X	-	-	X	-
CVD medical and surgical procedures history	-	X	X	X	X	X	X	X	X

Malignant Neoplasms

Colon/rectum (self report)	X	X	X	X	X	X	-	X	X
Ovarian (self report)	X	X	X	X	X	X	-	-	X
Cervix (self report)	X	X	X	X	X	X	-	-	X
Breast (self report)	X	X	X	X	X	X	-	-	X
Endometrial (self report)	X	X	X	X	X	X	-	-	X
Lung (self report)	X	X	X	X	X	X	X	X	X
Skin (self report)	X	X	X	X	X	X	-	X	X
Prostate (self report)	-	-	-	X	X	X	X	X	X
All types Recorded (self report)	-	X	X	X	-	X	X	-	X
Breast (adjudicated cases)	X	-	X	X	-	-	-	-	-

Cerebrovascular Diseases

Stroke	X	X	X	X	X	X	X	X	X
TIA	X	X	X	X	-	X	X	X	X
Cerebral MRI	-	-	-	X	-	X	-	-	-

Longevity Consortium: List of Measured Phenotypes

Items in bold are part of the NIA recommended Minimum Set of Measures for
Human Studies of Exceptional Longevity

	SOF	HABC	WHI	Rotterdam Study	Rancho Bernardo	CHS	Honolulu Heart Program	MrOS	Beaver Dam Eye Study
Chronic Lower Respiratory tract diseases									
Emphysema	X	X	-	X	-	X	X	X	X
Chronic bronchitis	X	X	-	-	-	X	X	X	-
COPD	X	X	-	-	X	X	X	X	-
Pneumonia	X	X	-	-	-	X	X	-	-
Asthma	-	X	-	-	-	X	X	X	X
Diabetes Mellitus									
Diabetes Mellitus	X	X	X	X	X	X	X	X	X
Alzheimer's disease/dementia									
Alzheimer's disease/dementia	X	X	X	X	X	X	X	X	X
Parkinson's disease	X	X	-	X	X	-	X	X	-
Arthritis, osteoarthritis, degenerative arthritis	X	X	X	X	X	X	X	X	X
Kidney disease	X	X	X	-	X	-	X	X	-
Liver disease	X	-	X	X	-	-	-	-	-
Thyroid dysfunction	X	X	X	X	X	-	X	X	X
Clinical depression	X	X	-	X	X	-	X	-	-
Falls	X	X	X	X	X	X	-	X	X
Fractures	X	X	X	X	X	X	-	X	X
Osteoporosis	X	X	X	X	X	-	-	X	-
Incontinence	X	X	X	-	X	X	-	X	-
Sleep Questionnaire	X	X	X	X	X	X	X	X	-
Shingles	-	X	-	-	-	-	-	-	-
Objective CVD measures									
Seated blood pressure	X	X	X	X	X	X	X	X	X
Standing blood pressure	-	X	-	X	-	X	-	-	-
Ankle-arm blood pressure	-	X	-	X	X	X	X	X	X
Orthostatic blood pressure	-	-	-	X	X	X	X	-	-
Pulse	X	X	X	X	X	X	X	X	X
ECG	-	X	X	X	-	X	X	X	-
Echocardiogram	-	-	-	-	X	X	-	-	-
Abdominal aorta diameter	-	-	-	-	-	X	-	-	-
Carotid arterial wall thickness	-	-	-	X	-	X	-	-	-
Vascular ultrasound	-	-	-	-	X	X	-	-	-
Holter Monitor	-	-	-	-	-	X	-	-	-
Female reproductive history									
Age at menarche	X	X	X	X	X	X	-	-	X
Age at menopause	X	X	X	X	X	X	-	-	X
Parity	X	X	X	X	X	X	-	-	X

Longevity Consortium: List of Measured Phenotypes

Items in bold are part of the NIA recommended Minimum Set of Measures for
Human Studies of Exceptional Longevity

	SOF	HABC	WHI	Rotterdam Study	Rancho Bernardo	CHS	Honolulu Heart Program	MrOS	Beaver Dam Eye Study
Hospitalizations									
Admissions	-	X	X	X	-	X	-	-	-
Unstable angina admissions	-	-	X	X	-	X	X	-	-
Nursing home admissions	-	-	-	X	-	X	-	-	X
Anthropometry									
Height	X	X	X	X	X	X	X	X	X
Weight	X	X	X	X	X	X	X	X	X
BMI	X	X	X	X	X	X	X	X	X
Bioelectrical impedance	X	-	-	-	X	X	-	-	-
Waist circumference	X	X	X	X	X	X	X	X	X
Hip circumference	X	-	X	X	X	X	X	X	X
Waist to hip ratio	X	-	X	X	X	X	X	X	X
Self-rated health									
Self-rated health	X	X	X	X	X	X	-	X	X
Pulmonary function measures	X	X	-	X	X	X	X	-	X
Bone density	X	X	X	X	X	X	-	X	X
Eye Diseases									
Glaucoma (self-report)	X	X	-	X	X	X	-	X	X
Cataracts (self-report)	X	X	-	X	X	-	X	X	X
Glaucoma (objective)	X	-	-	X	-	-	-	-	X
Cataracts (objective)	X	-	-	X	-	X	-	-	X
Macular degeneration (objective)	X	-	-	X	-	X	-	-	X
Visual Function									
Acuity	X	X	-	X	X	X	-	X	X
Contrast Sensitivity	X	X	-	-	X	-	-	X	X
Visual field loss	X	-	-	X	-	-	-	-	X
Hearing tests									
Hearing tests	X	X	X	X	-	X	-	-	-
Objective measures of sleep	X	-	-	-	-	X	-	X	-
Serum measures									
Creatinine levels	X	X	-	X	X	X	X	-	-
C-reactive protein	X	-	-	X	X	X	-	-	-
Lipid profile	-	X	X	X	X	X	X	-	X
Serum stored for future measures	X	X	X	X	X	X	X	X	X
Medication inventory									
Medication inventory	X	X	X	X	X	X	-	X	X

Longevity Consortium: List of Measured Phenotypes

Items in bold are part of the NIA recommended Minimum Set of Measures for
Human Studies of Exceptional Longevity

	SOF	HABC	WHI	Rotterdam Study	Rancho Bernardo	CHS	Honolulu Heart Program	MrOS	Beaver Dam Eye Study
<i>Physical Function</i>									
Activities of Daily Living	X	X	-	X	X	X	-	X	-
Instrumental Activities of Daily Living	X	X	-	-	X	X	-	X	-
Objective measures of physical performance									
Gait speed	X	X	X	-	X	X	-	X	X
Chair stands	X	X	X	-	X	X	X	X	X
Grip strength	X	X	X	X	X	X	X	X	X
Balance Tests	X	X	-	-	X	X	-	X	-
Lower extremity strength (excluding chair stands)	X	X	-	-	X	-	-	X	-
<i>Cognitive Function</i>									
Mini-Mental State Exam	X	X	X	X	X	X	X	X	-
Trail Making B	X	-	-	-	X	-	-	X	-
Digit Symbol Substitution	X	X	-	-	-	X	-	-	-
<i>Psychological Social</i>									
Key/Stressful Life Events	X	X	X	-	-	X	X	X	-
Anxiety	X	X	-	-	-	-	-	X	-
Apathy	-	X	X	-	-	-	-	-	-
Depressive Symptoms Scale									
Beck Depression Inventory	-	-	-	-	X	-	-	-	-
Geriatric Depression Scale	X	X	-	-	-	X	-	X	-
Depressed feelings	X	-	X	-	-	-	X	-	-
Center for Epidemiologic Studies Depression Scale	-	-	-	X	-	X	-	-	-
Social Support Questions									
Social Network and support	X	X	X	-	X	X	X	X	-
Living Arrangement	X	-	X	-	X	X	X	X	-
Caregiver information	X	X	-	-	X	X	X	-	-