



Measures Available in the BACH Cohort (2002-2012)

Variable	BACH I (2002-2005)	BACH/Bone* (2002-2005)	BACH II (2008-2010)	BACH III (2010-2012)	BACH/Bone II* (2010-2012)	ED/Endo* (2010-2012)
Anthropometrics						
Height/weight	●	●	●	●	●	
BIA body fat			●	●		
Pulse	●		●	●	●	●
Hip/waist circumference	●		●	●		
Blood pressure	●		●	●	●	●
Sitting height	●				●	
Forearm length					●	
Knee height					●	
Sociodemographics						
Date of birth	●		●			
Gender	●		●	●		
Race/ethnicity	●		●			
Residential address (geo-coded)	●		●	●		
Socioeconomic status	●		●	●		
Immigration status/acclulturation	●	●		●		
Marital status	●		●			
Education	●		●	●		
Work status/occupation	●		●	●		
Income	●		●	●		
Computer use and connectedness			●	●		
Household composition	●		●			
Sense of control/alienation				●		
Osteoporosis risk					●	
Perceived discrimination				●		
Major life events				●		
Psychosocial						
Depressive symptoms	●		●			●
Quality of Life <i>(self-rated health, current and projected life satisfaction)</i>	●		●	●		
Interpersonal stress	●		●			
Lifestyle						
Physical activity	●		●	●		
Abuse history	●		●			
Sexual orientation	●		●			
Diet (SWAN, Block FFQ)	●		●	●		
Tobacco use	●		●	●		
Alcohol use	●		●	●		
Other beverage consumption	●		●	●		
Reproductive history	●		●			

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Health Status						
Inventoried prescription/ non-prescription medications <i>(Coded by the Slone Epidemiology Center)</i>	●		●	●	●	
Vitamin supplements		●	●		●	
Pain/headaches			●		●	
Contraceptives	●		●			
Weight at 25 y/most ever weighed	●					
Chronic disease/events	●	●	●	●	●	
Bladder infection history	●		●			
Family medical history	●	●	●	●		
Health care access/utilization	●		●	●		
Health insurance	●		●	●		
CVD symptoms	●					
Sunlight exposure		●			●	
Fatigue			●			
Menopausal status	●		●	●		
Brachial artery flow-mediated dilation						●
Reactive hyperemia						●
Self-rated health	●		●	●		
Serum Measurements						
Triglycerides	●			●		
Total cholesterol	●			●		
HDL-c	●			●		
LDL-c				●		
Apolipoprotein I	●					
Apolipoprotein II	●					
Total testosterone	●	●			●	●
Total estradiol	●	●			●	●
Sex hormone-binding globulin	●	●			●	●
Cortisol	●					
Follicle-stimulating hormone	●					
Prolactin	●					
Dehydroepiandrosterone	●					
25(OH)D		●				
Calcium		●				
Osteocalcin		●				
C-telopeptides type I collagen		●				
Parathyroid hormone		●				
Fasting insulin				●		
Fasting blood glucose				●		
Fructosamine	●					
Alanine transaminase (ALT)				●		
Aspartate transaminase (AST)				●		
Bilirubin				●		
Albumin				●		
Alkaline phosphatase				●		
Thyroid-stimulating hormone (TSH)				●		
Complete blood count (CBC) with differential				●		
Blood urea nitrogen (BUN)				●		

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Serum Measurements (continued)						
Creatinine				●		
Glomerular filtration rate				●		
HbA1c				●		
C-reactive protein	●			●		
Additional serum samples stored at -80F <i>(Available for future laboratory measures)</i>	●	●	●	●		
DNA						
Stored DNA				●		
Ancestry Informative Markers				●		
Urologic Symptoms						
Benign prostatic hyperplasia	●		●			●
Prostatitis	●		●			
Chronic pelvic pain	●		●			
Interstitial cystitis	●		●			
Urinary incontinence	●		●			
Hypogonadism	●		●		●	
Erectile dysfunction	●		●			●
Libido	●		●			
Headaches	●		●			
Dominance	●		●			
Sleep	●		●	●		
Sexual function	●		●			●
Overactive bladder	●		●			
Nocturia	●		●			
Musculoskeletal Health						
Arthritis (OA, RA, other)	●	●	●		●	
Vitamin D/calcium intake		●			●	
Osteoporosis		●			●	
Secondary osteoporosis					●	
DXA body composition <i>(e.g., fat and lean mass)</i>		●			●	
Eye conditions					●	
Recent falls					●	
Physical performance test		●				
Chair stand test		●			●	
6-min walk test					●	
4-meter walk test		●			●	
Stair climbing speed and power					●	
Static and dynamic balance					●	
Grip strength		●			●	
Frailty phenotype		●			●	
Leg muscle power					●	
Reaction time in the lower extremity					●	
Bone density		●			●	
Proximal femur (hip) geometry		●			●	
Bone microarchitecture					●	
Factor of risk					●	
Fracture	●				●	
Balance confidence					●	

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Sexual Health						
International Index of Erectile Function (IIEF)	●		●			
Female Sexual Function Index (FSFI)	●		●			
Diabetes						
Type I/II diabetes	●		●	●		
Diabetes complications	●		●	●		
Diabetes control (HbA1c)				●		
Impaired fasting glucose/pre-diabetes				●		
Metabolic syndrome				●		
Insulin resistance				●		
Cardiovascular						
Cardiovascular disease	●		●	●		
Myocardial Infarction	●		●	●		
Hyperlipidemia	●		●	●		
Hypertension	●		●	●		
Environmental/Neighborhood						
Residential address (geo-coded)	●		●	●		
Linked US Census data	●		●	●		
InfoUSA built food environment	●			●		
Black carbon, PM 2.5	●		●	●		
Residential mobility			●	●		
Neighborhood order/disorder				●		
Property and violent crime				●		

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To learn more about NERI's proprietary BACH dataset,
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