

HCHS/SOL Visits 1 to 3 and Ancillary Studies: Blood and Urine Collection and Lab Assays Counts
Count Collected*

	Lab (Unit)	Visit 1 (2008-2011)	Visit 2 (2014-2017)	Visit 3 (2020-2024)	Ancillary Study (Visit Collected)
Total sample size		16,414	11,622	9,089	
Liver enzyme measures	Alanine aminotransferase (U/L)	16,243	11,521		
	Aspartate aminotransferase (U/L)	16,242	11,488		
	GGT (U/L)	16,131	11,525		
Kidney function measures	Cystatin C (mg/L)	16,133	11,530	4,264	PASOS (visit 3) AS#2017.31
	Creatinine (mg/dL)	16,246	11,530	8,894	PASOS (visit 3) AS#2017.31 + SGM SOL (visit 3) AS#2018.22 + Multi-omics study of ancestry enriched associations in Hispanics/Latinos (visit 3) #2021.09
	eGFR	16,246			
Lipid measures	Total cholesterol (mg/dL)	16,247	11,529	8,989	
	Triglycerides (mg/dL)	16,247	11,529	8,986	
	HDL-cholesterol (mg/dL)	16,245	11,530	8,987	
	LDL-cholesterol, Friedewald (mg/dL)	15,917	11,323	8,861	
	LDL-cholesterol, modified Sampson (mg/dL)	16,245	11,529	8,986	
	Lipoprotein (a) Molar (nmol/L)	14,950			Relation of Lipids, Apolipoproteins and Lp(a) with Risk of Atherosclerotic Cardiovascular Disease (visit 1) AS#2019.12
	Apolipoprotein B (mg/dL)	16,138			Relation of Lipids, Apolipoproteins and Lp(a) with Risk of Atherosclerotic Cardiovascular Disease (visit 1) AS#2019.12
Diabetes-related measures	Insulin, fasting (pmol/L)	16,172	11,494	2,410	SOL VIDA (visit 3) AS#2018.05
	Glucose, fasting (mg/dL)	16,219	11,499	8,940	
	Glucose, post OGTT (mg/dL)	13,271	8,222		
	% Glycosylated Hemoglobin	16,207	11,494	8,965	
Iron-related measures	Iron (ug/dL)	16,242			
	Total Iron Binding Capacity (TIBC) (ug/dL)	16,242			
	% Transferrin saturation	16,242			
	Ferritin (ug/L)	15,960			
Inflammatory measures	High-sensitivity C-Reactive Protein (mg/L)	16,242	5,815	1,284	GREENNESS (visit 2, Miami and San Diego) AS#2017.15, SGM SOL (visit 3) AS#2018.22
Hematological measures	White Blood Count (x10e9)	15,218	11,453		
	Red Blood Count (x10e12)	16,137	11,483		
	Hemoglobin (g/dL)	16,136	11,491		
	% Hematocrit	16,137	11,482		
	Mean Corpuscular Volume (fl)	16,137	11,480		
	Mean Corpuscular Hemoglobin (pg)	16,136	11,420		
	Mean Corpuscular Hemoglobin Concentration (g/dL)	16,136	10,806		
	% Red Cell Distribution Width	16,135	11,476		
	Platelet Count (x10e9)	16,125	11,449		
	% Neutrophils	15,215	11,436		
	% Lymphocytes	15,215	11,439		
	% Monocytes	15,221	11,438		
	% Eosinophils	15,217	11,439		
	% Basophils	15,195	11,439		
	Neutrophil Count (x10e9)	15,216	11,436		
	Lymphocyte Count (x10e9)	15,215	11,439		
	Monocyte Count (x10e9)	15,222	11,437		
	Eosinophil Count (x10e9)	15,218	11,440		
	Basophil Count (x10e9)	15,196	11,436		

	Lab (Unit)	Visit 1 (2008-2011)	Visit 2 (2014-2017)	Visit 3 (2020-2024)	Ancillary Study (Visit Collected)
	Immature Granulocytes (%)	2,584	357		
	Absolute Immature Granulocytes (x10e9)	2,584	357		
	Mean platelet volume (fL)		10,924		
	Platelet distribution width (fL)		10,799		
	von Willebrand Factor Antigen (%)	12,474			Hemostasis (visit 1) AS#2021.15
	VIIIFactor 8 Activity (%)	12,517			Hemostasis (visit 1) AS#2021.15
Serologic measures	Hepatitis A serology (Hep A Total Antibody)	12,802			
	Hepatitis B "serology" (Hep B surface antigen)	994			
	Hepatitis C serology (Hep C Antibody)	12,012			
	Hepatitis C RNA (IU/mL)	192			
	Hepatitis C RNA (log IU/mL)	191			
	Hepatitis B Core Antibody	12,012			
	Hepatitis B Surface Antibody	12,012			
	HCVABX - Hepatitis C antibody index	9,477			
	H.Pylori IgG assay (EIU)	16,143			H pylori Infection in the HCHS/SOL (visit 1) AS#2016.08
Endogenous hormone measures	Thyrotropin - TSH (mIU/L)	2,339			POPS (visit 1) AS#2013.06
	Free Thyroxine - FT4 (ng/dL)	2,338			POPS (visit 1) AS#2013.06
	Total Triiodothyronine - T3 (ng/dL)	2,342			POPS (visit 1) AS#2013.06
	Luteinizing Hormone - LH (mIU/mL)	2,340			POPS (visit 1) AS#2013.06
	Follicle-Stimulating Hormone - FSH (mIU/mL)	2,341			POPS (visit 1) AS#2013.06
	Sex-Hormone Binding Globulin - SHBG (nmol/L)	2,341			POPS (visit 1) AS#2013.06
	Estradiol - E2 (pmol/L)	1,709			POPS (visit 1) AS#2013.06
	Dehydroepiandrosterone Sulfate - DHEAS (umol/L)	2,340			POPS (visit 1) AS#2013.06
	Testosterone - TESTO (ng/dL)	1,142			POPS (visit 1) AS#2013.06
	FGF-23 Intact (pg/mL)	1,204			SDB FGF23 (visit 1) AS#2015.14
	FGF-23 C-Terminal (RU/mL)	1,204			SDB FGF23 (visit 1) AS#2015.14
Urine	Urine creatinine, random (mg/dL)	16,210	11,558	5,829	PASOS (visit 3) AS#2017.31 + Multi-omics study of ancestry enriched associations in Hispanics/Latinos (visit 3) #2021.09
	Urine microalbumin, random (mg/dL)	15,546	11,369	5,519	PASOS (visit 3) AS#2017.31 + Multi-omics study of ancestry enriched associations in Hispanics/Latinos (visit 3) #2021.09
	Albumin/creatinine ratio (mg/g)	15,548	11,371	5,453	PASOS (visit 3) AS#2017.31 + Multi-omics study of ancestry enriched associations in Hispanics/Latinos (visit 3) #2021.09

*: one participant revoked their consent for data use

Job qc339802 run by MVE using Lab Results and Investigator Use data