

## HCHS/SOL Participant-Facing Ancillary Studies

STUDY		RESEARCH AREA	PI AND FUNDING
1	AIR #2018.21	Neighborhood air quality and diabetes	Kaufman, R01ES030994
2	ASTHMA #2019.06	Lifestyle and environmental factors influencing asthma and lung function	Celedon and Isasi, R01HL152475
3	C4R #2020.03	Predictors of disease severity and long-term health effects of COVID-19	Oelsner and Barr subaward to Thomas and Nolen, 1OT2HL156812
4	CAC #2017.32	Coronary artery calcium, plaque density, and coronary remodeling	Daviglus, Budoff, Gallo, and Hou, R01HL152692
5	CASAS #2014.09	Micro and macro neighborhood built environment and cardiometabolic health	Allison and Gallo, R01DK106209
6	CASITAS #2015.20	Psychosocial and ecological correlates of women's sedentary behavior	Castañeda, Sotres-Alvarez, and Allison, 16SFRN27940007
7	COMPASS #2015.12	Cardiometabolic Outcomes, physical activity & sedentary behavior	Mossavar-Rahmani, Kaplan, Ramachandran, R01HL136266
8	DAMAS #2019.13	Lifestyle and genetic factors on mammographic density	Lindstroem, R01CA255082
9	ECHO-SOL 1 and 2 #2009.04 #2014.13	Cardiac structure and function	Rodriguez, R01HL104199
10	ECHO-SOL 3 #2018.17	Cardiac structure/function	Rodriguez, R01HL158156
11	FLOR #2014.07	Preconceptional health and child adiposity (3-9yrs)	Sotres-Alvarez and Siega-Riz, R01DK116028
12	GOLD 1 and 2 #2013.08	Microbiome and diabetes	Kaplan, Burk and Knight, R01MD011389
13	GOLD 3 #2020.08	Microbiome and diabetes	Kaplan, Burk, Kizer & Price, R01DK134672
14	HOUSING MOBILITY #2017.05	Health implications of housing instability management	Chambers, R03 HL140265
15	INCA #2013.07	Cognitive impairment, Alzheimer's disease, and vascular dementia	Gonzalez and Fornage, RF1AG061022
16	INCA 2	Biomarkers of Alzheimer's disease	Gonzalez and DeCarli, R01AG075758
17	INCA-MRI #2016.02	Vascular risk factors on brain health	DeCarli and Gonzalez, RF1AG054548
18	MYOSTEATOSIS #2019.10	Arterial stiffness and cardiac structure and function	Allison and Miljkovic, R01HL152790
19	NAFLD #2017.30	Nonalcoholic fatty liver disease and CVD	Kizer and Lima, R01HL144707
20	OCULAR #201103	Ocular Healthcare Utilization and Risk	Lee, IU58DP002652
21	OJOS #2015.22	Chronic eye disease	Joslin and Lee, UG1EY030410
22	PASOS #2017.31	Physical activity and peripheral arterial disease	Kaplan and Matsushita, R01HL146132
23	PWV #2017.21	Arterial stiffness and neurocognitive function	Meyer, R01AG061088
24	RHYTHM #2021.01	Arrhythmias and vascular cognitive impairment	Chen, Gonzalez and Matsushita, RF1NS127266
25	SANAR #2018.08	Obstructive sleep apnea and vascular brain injury and mild cognitive impairment	Ramos, R01AG067568
26	SGM #2018.22	Sexual orientation, gender identity, stigma/discrimination, stress and CVD	Perreira and Poteat, R01HL149778
27	SOCIOCULTURAL #2008.02	Socioeconomic, sociocultural, and psychosocial factors contribute to CVD	Gallo and Penedo, RC2HL101649
28	SOLNAS #2008.03	Nutrition and physical activity validation study	Mossavar-Rahmani, R01HL095856
29	SUEÑO #2008.08	Sleep habits and the effects of heart disease and related disorders	Sanjay, R01HL098297
30	VIDA #2018.05	Sedentary patterns and CVD risk factors	Carlson, R01HL148463
31	YOUTH #2008.05	Sociocultural factors and child obesity (8-16yrs)	Bangdiwala, Ayala, Delamater, Eckfeldt, Himes, Isasi & Perreira, R01HL102130



## HCHS/SOL NON-Participant-Facing Ancillary Studies

#	RESEARCH AREA	PI AND FUNDING
1	Common SNPs influencing arrhythmogenic adverse drug reactions	Avery, AHA Project # 15GPSPG239
2	Inflammatory mediators in the development of cardiometabolic risk factors and T2D	Avery, R01HL147853
3	Cardiovascular Health Associations with Minority stress: Biobehavioral Evaluations and self-Reported Sociopsychological outcomes by SOGI status (CHAMBERS)	Beach, R01HL149866
4	Hispanic Latino Lipid Consortium	Below, McCormick and North, R01HL151867
5	Neighborhood Greenness and Cardiometabolic Health	Brown and Szapocznik, R01HL148880
6	H Pylori Infection and asthma	Camargo, NCI intramural funding
7	Community-Based Evaluation of Sudden Cardiac Death in Hispanics/Latinos	Chugh, R01HL145675
8	Toward Accurate Cardiovascular Disease Prediction in Hispanics/Latinos: Modeling Risk and Resilience Factors	Flores, R00HL157611
9	Multi-omics study of ancestry enriched associations in Hispanics/Latinos	Franceschini and Sofer, R56HG013163
10	Genetics of kidney disease in diverse populations	Franceschini, R01DK117445
11	Leveraging ancestry to map kidney loci	Franceschini, R01MD012765
12	WGS and metabolomics that influence individual metabolite levels	Gibbs, UM1HG008898
13	Neurocognitive aging, MCI and Alzheimer's disease DNA methylation among diverse Latinos	Gonzalez and Fornage, RF1AG061022
14	Associations of genetic variants with complex diseases	Heiss, U01HG004803
15	Dietary Patterns and Risk of Cardiovascular Disease	Hu and Qi, R01HL060712
16	Early and life course socioeconomic adversity and dementia risk in Hispanics/Latinos	Isasi, DeCarli and Gonzalez, RF1AG077639
17	The role of stroke risk factors in the prevalence of stroke symptoms among Hispanic/Latinx Adults	Jimenez, R03HL160625
18	Paxgene tube collection for whole blood RNA expression studies	Kaplan, internal funding
19	Culturally relevant contributors to cognitive and MRI changes in older Latinos	Lamar, R01AG062711
20	The Effect of Pesticide Exposure on Cognitive and Brain Development in Latino Children: PACE5	Laureient and Arcury, R01ES008739
21	Chronic Inflammation and Type 2 Diabetes: A Multi-omics Approach	Li, R00DK122128
22	Statistical Methods for Network-based Integrative Analysis of Microbiome Data	Ma, R01GM145772
23	Fibroblast Growth Factor 23 and Sleep Disordered Breathing	Mehta, AHA funding
24	The effect of intergenerational education on cognitive outcomes for and among Latinos in the United States	Meza, F31AG071111
25	Genomic contributions to FVIII and VWF levels, and identify new genomic loci	Morrison, De Vries and Smith, R01HL139553
26	Genetic Epidemiology Causal Variants Across the Life Course	North
27	Microbiome Multi-Omics and Cognitive Decline in Latinos	Palacios and Tucker, RF1AG075922
28	Associations between body fat and incidence of 13 obesity-related cancers	Parada, SDSU internal funding

#	RESEARCH AREA	PI AND FUNDING
29	Tobacco-related biomarkers, nicotine metabolism, and genetic ancestry associations	Pérez-Stable, NIMHD intramural funding
30	Persistent organic pollutants, endogenous hormones and diabetes	Persky, R01ES025159
31	CHARGE consortium: omics discovery for CVD and aging phenotypes	PSATY, R01HL105756
32	Metabolomics signatures underlying diet, lifestyle and gut microbiota for diabetes	Qi, R01DK119268
33	A Multi-Ancestry Study of Gene-Lifestyle Interactions and Multi-Omics in Cardiometabolic Traits	Rao, R01HL156991
34	Lipids, Apolipoproteins and Lp(a) and CVD	Rodriguez and Joshi, funded by Amgen Inc/Make Well Known Foundation
35	Combining information from multiple circadian activity rhythm metrics to optimally detect mild cognitive impairment using a consumer wearable	Smagula, R21AG074094
36	Using polygenic risk scores and omics to study how suboptimal sleep accelerates cognitive aging in diverse populations	Sofer, R01AG080598
37	Leveraging omics data to understand sleep health and its consequences among diverse Hispanics/Latinos	Sofer, R01HL161012
38	Social Stress, Epigenetics and Cardiometabolic Health of Youth	Suglia and Isasi, R01MD015204
39	Social Stress, Epigenetics and Cardio-Metabolic Health	Suglia, R01MD013320
40	Human Gut Microbiome and Incident Diabetes Risk in U.S. Populations	Sun and Qi, R01DK126698
41	Food-based biomarkers, diet quality, and cardiometabolic health	Sun, R01DK120870
42	Application of predictive biomarkers of sugars and animal protein intake for investigation of dietary measurement error and its effect on diet-disease associations	Tasevska, U01CA197902
43	Genetic predictors of insulin resistance, insulin clearance, beta cell function, and T2DM	Wagenknecht and Watanabe, R01DK085175
44	Mediterranean Diet, Polyphenol-Rich Foods, Gut Microbiota and Type 2 Diabetes	Wang, R00DK119412
45	Dissecting heterogeneity of excessive daytime sleepiness and impact on cardiovascular diseases	Wang, R01HL153814
46	The Epidemiology and Somatic Genomic Pathogenesis of Radon-Related Stroke	Whitsel, R01ES034050
47	Genetic Architecture of Cardiac Structure and Function and Its Impact on Heart Failure	Yu and Ramachandran, R01HL160793
48	Metabolic Signatures Underlying Cardiac Function for Heart Failure in Multi-Ethnic Populations	Yu, R01HL141824
49	Molecular Determinants of Atherosclerotic Cardiovascular Disease in Multi-ethnic Populations	Yu, R01HL168683
50	Perfluoroalkyl Substances (PFASs) and Liver Cancer Risk	Zhang, U01CA259208
51	Socioenvironmental exposome, aging and risk of diabetes	Zhao, R01DK137254
52	Perfluoroalkyl substances and risk of kidney cancer in US men and women	Zheng and Lipworth, R01ES034014