

**HCHS/SOL Omics Data Inventory Summary from Visits 1, 2, and 3 Biospecimens**  
**Updated May 2024**

Omics Type	Visit 1 N=16415	Visit 2 N=11623	Visit 3 N=9088
<b>Consented<sup>1</sup> at Time of Sample Selection</b>	14840	10291	7737
<b>Consented<sup>1</sup> at End of Visit Data Collection (Final Consent Status)</b>	13206	10200	7737
<b>WGS</b>			
Sent to Lab	13871 <sup>2</sup>	--	--
Data Available	13262	--	--
Data Availability Pending	306	--	--
<b>GWAS</b>			
Sent to Lab	12895 <sup>2</sup>	--	--
Data Available	12737	--	--
<b>Metabolomics</b>			
Sent to Lab	14029 <sup>2</sup>	5150 <sup>3</sup>	0
Samples in Processing/Data Pending	7845	4331	0
Data Available	6180	817	0
Number of Available Samples Remaining <sup>4</sup>	794	5101	7112
<b>RNA Sequencing</b>			
Sent to Lab	7733 <sup>5</sup>	2156 <sup>6</sup>	0
Samples in Processing/Data Pending	7733	2156	0
Data Available	0	0	0
Number of Available Samples Remaining <sup>4</sup>	5355	7977	7112
<b>DNA Methylation</b>			
Sent to Lab	13957 <sup>7</sup>	6327 <sup>8</sup>	0
Samples in Processing/Data Pending	9706	2660	0
Data Available	4247	3655	0
Selected in Funded Study	0	3007 <sup>9</sup>	0
Number of Available Samples Remaining <sup>4</sup>	877	960	7112

Abbreviations: WGS, whole genome sequencing; GWAS, genome-wide association studies; RNA, ribonucleic acid; DNA, deoxyribonucleic acid.

1. Consent to use genetic samples in current and future research by investigators associated or not with HCHS/SOL
2. Eligibility criteria: participants with genotyping consent and DNA sample available at time of sample selection
3. Visit 2 Metabolomics eligibility criteria (2 studies): (a) GOLD study participants whose stool sample collection were completed within 30 days, (b) participants with gut microbiome data or had obesity at either V1 or V2, and random sample of participants with non-missing V2 covariates
4. Number of participants with consent and available sample that have not been selected yet
5. Visit 1 RNA Sequencing eligibility criteria: participants with WGS data at time of sample selection
6. Visit 2 RNA Sequencing eligibility criteria: participants with gut microbiome data or obesity, and random sample of participants with non-missing V2 covariates
7. Visit 1 DNA Methylation eligibility criteria (5 studies): (a) SOL INCA MCI+ cases and controls, (b) Spirituality participants, (c) SOL FLOR mothers, (d) Sociocultural participants, (e) remaining participants with consent and DNA sample available at time of sample selection
8. Visit 2 DNA Methylation eligibility criteria (3 studies): (a) SOL INCA MCI+ cases and controls, (b) Sociocultural participants, (c) participants with gut microbiome data or obesity, and random sample of participants with non-missing V2 covariates
9. AS#2016.12 DNA Methylation & Diabetes; eligibility criteria: participants without history of cancer and non-missing V2 covariates