

WHI omics data

Available now or being generated

Type of data	N	
Whole genome sequencing	11,000	From TOPMed
RNAseq	1,400	From TOPMed, in process, subset of WGS
GWAS	41,500	About 5,000 overlap with sequencing data
Methylation	5,500	Three ancillary studies; about 4,500 of these have sequencing or GWAS data
Metabolomics	2,350	From BAA; about 1,600 of these have sequencing or GWAS data

Still being considered (TOPMed X01)

Type of data	N
Methylation	5,000
Metabolomics	5,000
Proteomics	5,000

Phenotypes

	WGS	RNAseq	GWAS	Methylation	Metabolomics
Stroke	4900	300	2700	300	200
VTE	1150	300	1100	200	100
CHD	1800	125	3600	850	1200
HF	700	25	1400	200	250
Breast Cancer	750	100	7600	350	150
Total Cancer	2300	250	13300	1300	450
T2D	2600	350	10300	1400	550
Hip Fracture	600	75	2800	150	100
Cariovascular markers	8500	1400	27000	4700	2350

Ethnicity

	WGS	RNAseq	GWAS	Methylation	Metabolomics
White	9000	925	28000	3000	1900
African Amer	1450	350	10100	1350	300
Hispanic	300	100	4750	800	70
Asian	200	0	600	150	40
Nat Am/Al Nat	50	0	600	50	10
Other	100	0	100	50	50