

## SUPPLEMENTAL MATERIAL

### Sickle Cell Trait and Risk of Ischemic Stroke in Young Adults

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### Supplemental Methods

#### Genotyping

We genotyped cases and controls using the Illumina HumanOmni1-Quad\_v1-0\_B BeadChip and imputed chromosome 11 into 1000 genomes, phase 3 using the Michigan Imputation Server<sup>1</sup>.

### Supplementary Tables

**Table I.** Mean Ages of Participants Per Study Cohort by SCT Status

	Our study (GEOS)	ARIC <sup>2</sup>	JHS <sup>3</sup>	MESA <sup>3</sup>	REGARDS <sup>3</sup>	WHI <sup>3</sup>
Mean age of participants with SCT (SD)	39.4 (8)	53 (6)	50.4 (12.3)	61 (10)	63.4 (9.4)	63.6 (7.1)
Mean age of participants without SCT (SD)	41.0 (6.8)	54 (6)	50.2 (11.9)	62.0 (10.0)	63.8 (9.2)	63.2 (7.1)

### Supplementary References

1. Li Y, Willer C, Sanna S, Abecasis G. Genotype imputation. *Annu Rev Genomics Hum Genet.* 2009;10:387-406.
2. Caughey MC, Loehr LR, Key NS, Derebail VK, Gottesman RF, Kshirsagar AV, et al. Sickle Cell Trait and Incident Ischemic Stroke in the Atherosclerosis Risk in Communities (ARIC) Study. *Stroke J Cereb Circ.* 2014;45:2863-2867.
3. Hyacinth HI, Carty CL, Seals SR, Irvin MR, Naik RP, Burke GL, et al. Association of Sickle Cell Trait With Ischemic Stroke Among African Americans: A Meta-analysis. *JAMA Neurol.* 2018;75:802-807.