

NHANES Genetic Data Repository Information Sheet

Summary

Genetic variant data available in the NHANES Genetic Data Repository provides an opportunity to conduct a vast array of studies designed to examine the association of health factors and genetic variation. Genetic variants are available for NHANES III Phase II, and cycles 1999-2002, 2007-2008 and 2019-2020 with variants for NHANES cycles 2009-2010, 2011-2012 and 2021-2023 forthcoming. Due to disclosure concerns, genetic variant data in the NHANES Genetic Data Repository are not publicly available. Access may be obtained through the NCHS Research Data Center (<http://www.cdc.gov/rdc>). The vast majority of the genetic variants in the repository are single nucleotide polymorphisms (SNPs). For information about the collection, processing, and access of NHANES DNA specimens, see the NHANES Biospecimen Program Report at [Vital and Health Statistics Report Series 2, Number 170 July 2015](#).

Eligible Sample

All participants aged 12 years and older examined in NHANES III Phase II, who had blood collected for DNA purification, were eligible. All participants aged 20 years and older examined in NHANES cycles 1999-2000, 2001-2002, 2007-2008, 2009-2010 and 2011-2012 who had blood collected for DNA purification, were eligible. All participants aged 18 years and older examined in NHANES cycles 2019-2020 and 2021-2023 who had blood collected for DNA purification, were eligible.

Affymetrix Genome-Wide Human SNP Array 6.0

Subsample of NHANES 1999-2002 (n = 3,163 participants). See weights documentation for further information.

Helpful Resources:

NHANES Genetic Variant Search: [Genetic Variant Search](#)

dbSNP: <https://www.ncbi.nlm.nih.gov/snp/>

SNPedia: <http://snpedia.com/index.php/SNPedia> GWAS Catalog:

<http://www.ebi.ac.uk/gwas/>

NCHS Research Data Center: [Research Data Center | RDC | CDC](#)

Questions: Email NHANESGenetics@cdc.gov

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