**CHARGE Exome Chip Blood PressureResults README**

Meta analysis was performed in ancestry-specific samples and in pooled samples of all ancestries for five blood pressure phenotypes, including systolic and diastolic blood pressure (SBP and DBP), mean arterial pressure (MAP), pulse pressure (PP), and hypertension (HTN). Meta analysis results are in comma-delimited format. The file names are below.

* SBP\_\*\_CHARGE\_lookup\_dbGap.gz
* DBP\_\*\_CHARGE\_lookup\_dbGap.gz
* MAP\_\*\_CHARGE\_lookup\_dbGap.gz
* PP\_\*\_CHARGE\_lookup\_dbGap.gz
* HTN\_\*\_CHARGE\_lookup\_dbGap.gz

Note: “\*” stands for AA (African ancestry), EA (European ancestry), HIS (Hispanic ancestry), or all\_ethnic (pooled samples of all ancestries).

​For additional information, please see/cite:
[Full citation].
PMID:27618448

DOI:[10.1038/ng.3660](https://dx.doi.org/10.1038/ng.3660)

Files include the following variables:

* Trait: phenotype analyzed
* Ethnic: which ethnic sample
* Marker Name: rs#
* Chromosome: Chromosome
* Physical Location: genome build position (e.g., , GRCH38)
* Allele1: “coded” allele
* Allele2: “noncoded” allele
* Freq1: Frequency of Allele 1
* Effect: beta estimate
* StdErr: SE(Beta)
* P.value: p-value from inverse-variance meta-analysis
* Direction: Direction of association from contributing studies
* HetISq: I2 heterogeneity statistic
* HetDf: degrees of freedom for heterogeneity test
* HetPVal: heterogeneity p-value

Study order for Direction column:

* In EA meta-analysis, the studies are ordered as AGES, ARIC, BioVU, CARDIA, CHS, FamHS, FHS, HABC, HRS, MESA, Mt.Sinai, RS, WHI, WGHS, and SHIP.
* In AA meta-analysis, the studies are ordered as ARIC, BioVU, CARDIA, CHS, HABC, HRS, JHS, MESA, Mt.Sinai, and WHI.
* In HIS meta-analysis, the studies are ordered as MESA and Mt. Saini.
* In meta-analysis of pooled samples of all ancestries, the studies are ordered as AGES\_EA, ARIC\_EA, BioVU\_EA, CARDIA\_EA, CHS\_EA, FamHS\_EA, FHS\_EA, HABC\_EA, HRS\_EA, MESA\_EA, Mt. Sinai\_EA, RS\_EA, WHI\_EA, WGHS\_EA, SHIP\_EA, ARIC\_AA, BioVU\_AA, CARDIA\_AA, CHS\_AA, HABC\_AA, HRS\_AA, JHS\_AA, MESA\_AA, Mt. Sinai\_AA, WHI\_AA, MESA\_HIS, and Mt. Sinai\_HIS

Sample size for cohorts in meta-analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **EA cohort** | **n** | **AA cohorts** | **n** | **HIS cohort** | **n** |
| AGES  | 2973 | ARIC  | 3354 | MESA | 1440 |
| ARIC | 10865 | BioVU | 2004 | Mt. Sinai | 3146 |
| BioVU | 18875 | CARDIA | 1986 |  |  |
| CARDIA | 2175 | CHS | 796 |  |  |
| CHS | 4132 | HABC | 1105 |  |  |
| FamHS  | 3723 | HRS | 2029 |  |  |
| FHS  | 7495 | JHS | 2300 |  |  |
| HABC | 1646 | MESA | 1607 |  |  |
| HRS | 9625 | Mt. Sinai | 2836 |  |  |
| MESA | 2494 | WHI | 3486 |  |  |
| Mt. Sinai | 1337 |  |  |  |  |
| RS  | 3015 |  |  |  |  |
| WHI | 7161 |  |  |  |  |
| WGHS | 22648 |  |  |  |  |
| SHIP | 22309 |   |   |   |   |