

Unharmonized TOPMed study phenotypes on dbGaP

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What is phenotype harmonization?

- Individual TOPMed studies collected and stored phenotype data in heterogeneous ways
- **Harmonization** is the process by which **source phenotypes** from multiple TOPMed studies are transformed so that they can be used together
 - Source phenotypes / unharmonized phenotypes
 - Harmonized phenotypes

Where can I get TOPMed phenotype data?

1. Get DCC harmonized phenotypes from the Exchange Area
2. Get (harmonized or unharmonized) phenotypes directly from the studies (transfer via EA)
3. Get unharmonized phenotypes from dbGaP

* All three methods for obtaining data require dbGaP application and DAC approval

Where can I get TOPMed phenotype data?

1. Get DCC harmonized phenotypes from the Exchange Area
2. Get (harmonized or unharmonized) phenotypes directly from the studies (transfer via EA)
3. Get unharmonized phenotypes from dbGaP

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The Structure of TOPMed data on dbGaP

TOPMed studies on dbGaP

- Most TOPMed studies already had data from previous projects in dbGaP
- Each dbGaP study is assigned a unique **accession** number (phs)
 - e.g. Framingham Heart Study (FHS) is phs 7 [\(link\)](#)

dbGaP | phs000007.v29.p10 | X

https://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/study.cgi?study_id=phs000007.v29.p10

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Framingham Cohort

dbGaP Study Accession: phs000007.v29.p10

[Study version history](#)

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Study Description

Startup of Framingham Heart Study. Cardiovascular disease (CVD) is the leading cause of death and serious illness in the United States. In 1948, the Framingham Heart Study (FHS) -- under the direction of the National Heart Institute (now known as the National Heart, Lung, and Blood Institute, NHLBI) -- embarked on a novel and ambitious project in health research. At the time, little was known about the general causes of heart disease and stroke, but the death rates for CVD had been increasing steadily since the beginning of the century and had become an American epidemic.

The objective of the FHS was to identify the common factors or characteristics that contribute to CVD by following its development over a long period of time in a large group of participants who had not yet developed overt symptoms of CVD or suffered a heart attack or stroke.

Design of Framingham Heart Study. In 1948, the researchers recruited 5,209 men and women between the ages of 30 and 62 from the town of Framingham, Massachusetts, and began the first round of extensive physical examinations and lifestyle interviews that they would later analyze for common patterns related to CVD development. Since 1948, the subjects have returned to the study every two years for an examination consisting of a detailed medical history, physical examination, and laboratory tests, and in 1971, the study enrolled a second-generation cohort -- 5,124 of the original participants' adult children and their spouses -- to participate in similar examinations. The second examination of the Offspring cohort occurred eight years after the first examination, and subsequent examinations have occurred approximately every four years thereafter. In April 2002 the Study entered a new phase: the enrollment of a third generation of participants, the grandchildren of the original cohort. The first examination of the Third Generation Study was completed in July 2005 and involved 4,095 participants. Thus, the FHS has evolved into a prospective, community-based, three generation family study. The FHS is a joint project of the National Heart, Lung and Blood Institute and Boston University.

Research Areas in the Framingham Heart Study. Over the years, careful monitoring of the FHS population has led to the identification of the major CVD risk factors -- high blood pressure, high blood cholesterol, smoking, obesity, diabetes, and physical inactivity -- as well as a great deal of valuable information on the effects of related factors such as blood triglyceride and HDL cholesterol levels, age, gender, and psychosocial issues. Risk factors have been identified for the major components of CVD, including coronary heart disease, stroke, intermittent claudication, and heart failure. It is also clear from research in the FHS and other studies that substantial subclinical vascular disease occurs in the blood vessels, heart and brain that precedes clinical CVD. With recent advances in technology, the FHS has

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Substudies

 [Framingham Cohort](#)

 [Substudies](#)

Child vs. parent accessions

- A **parent accession** (phs) usually holds all of the phenotype data
- A **child accession** (phs) usually holds all of the genotype data

The Framingham Cohort is utilized in the following dbGaP substudies. To view genotypes, analysis, expression data, other molecular data, and derived variables collected in these substudies, please click on the following substudies below or in the "Substudies" box located on the right hand side of this top-level study page phs000007 Framingham Cohort.

- [phs000342](#) Framingham SHARe
- [phs000282](#) Framingham CARE
- [phs000363](#) Framingham SABRe
- [phs000307](#) Framingham Medical Resequencing
- [phs000401](#) Framingham ESP Heart-GO
- [phs000651](#) Framingham CHARGE-S
- [phs000724](#) Framingham DNA Methylation

The unflagging commitment of the research participants in the NHLBI FHS has made more than a half century of research success possible. For decades, the FHS has made its data and DNA widely available to qualified investigators throughout the world through the Limited Access Datasets and the FHS DNA Committee, and the SHARe database will continue that tradition by allowing access to qualified investigators who agree to the requirements of data access. With the SHARe database, we continue with an ambitious research agenda and look forward to new discoveries in the decades to come.

TOPMed accessions

- A **TOPMed accession** is the phs that will hold TOPMed sequence data
 - Currently a separate parent accession
 - Will eventually be made into a child linked to the original parent accession
- A few studies without previous parent accessions only have a TOPMed accession
 - Sequence data and phenotype data are both in the TOPMed accession
 - e.g. CRA, Amish
- View a table of each study's TOPMed accession [on the TOPMed website](#)
 - e.g. FHS TOPMed accession is phs 974 [\(link\)](#)



NHLBI TOPMed: Genomic Activities such as Whole Genome Sequencing and Related Phenotypes in the Framingham Heart Study

dbGaP Study Accession: phs000974.v2.p2

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Study Description

This study is part of the NHLBI Trans-Omics for Precision Medicine (TOPMed) Whole Genome Sequencing Program.

TOPMed is part of a broader [Precision Medicine Initiative](#), which aims to provide disease treatments that are tailored to an individual's unique genes and environment. TOPMed will contribute to this initiative through the integration of whole-genome sequencing (WGS) and other -omics

(e.g., metabolic profiles, protein and RNA expression patterns) data with molecular, behavioral, imaging, environmental, and clinical data. In doing so, this program aims to uncover factors that increase or decrease the risk of disease, to identify subtypes of disease, and to develop more targeted and personalized treatments. Information about how to identify other TOPMed WGS accessions for cross-study analysis, as well as descriptions of TOPMed methods of data acquisition, data processing and quality control, are provided in the accompanying document, "[TOPMed Whole Genome Sequencing Project](#)".

The Framingham Heart Study (FHS) is a prospective cohort study of 3 generations of subjects who have been followed up to 65 years to evaluate risk factors for cardiovascular disease. Its large sample of ~15,000 men and women who have been extensively phenotyped with repeated examinations make it ideal for the study of genetic associations with cardiovascular disease risk factors and outcomes. DNA samples have been collected and immortalized since the mid-1990s and are available on ~8000 study participants in 1037 families. These samples have been used for collection of GWAS array data and exome chip data in nearly all with DNA samples, and for targeted sequencing, deep exome sequencing and light coverage whole genome sequencing in limited numbers. Additionally, mRNA and miRNA expression data, DNA methylation data, metabolomics and other 'omics data are available on a sizable portion of study participants. This project will focus on deep whole genome sequencing (mean 30X coverage) in ~4100 subjects and imputed to all with GWAS array data to more fully understand the genetic contributions to cardiovascular, lung, blood and sleep disorders.

- Study Weblink: [Framingham Heart Study](#)
- Study Type: Cohort
- Number of study subjects that have individual level data available through Authorized Access: 4154

View Diagram by:

Consent group ☐ HMB-IRB-MDS ☐ HMB-IRB-NPU-MDS ☒ Total

Subjects with Phenotypes: 4154

Subjects with Genotypes: 4154

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Search for:

dbGaP phenotype variables

- Phenotype data is organized into datasets, which have a dataset accession (pht) [\(link\)](#)
- Each phenotype variable is assigned a variable accession (phv) [\(link\)](#)

dbGaP: the Database of Genomic and Phenotypic Data

https://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/dataset.cgi?study_id=phs000007.v29.p1

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Framingham Cohort

dbGaP Study Accession: phs000007.v29.p10

[Study version history](#)

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Molecular Data

Dataset Name and Accession

Dataset Name: Framingham_Sample

Dataset Accession: pht001415.v17.p10

[Dataset version history](#)

Dataset Description

SHARe subject ID to sample mapping: This subject to sample mapping includes samples from all of the Framingham substudies, i.e., Framingham SHARe, CARE, SABRe, Medical Resequencing, ESP Heart-GO, CHARGE-S, and DNA Methylation. This table also includes DNA Methylation substudy and Coriell HapMap samples that were used as substudy controls. Additionally, there is a mapping of sample IDs to other sample ID aliases, the substudy (phs) accession that the sample belongs to, and sample use.

Dataset type: Simple

Dataset Summary

[Download Variable Report](#)

[Download Data Dictionary](#)

There are 6 variables associated with this dataset.

Variable accession	Variable name	Variable description
phv00098391.v12.p10	SUBJID	SHARe ID number
phv00098392.v12.p10	SAMPID	Sample ID number
phv00159482.v15.p10	STUDY	DbGaP top-level study or substudy accession
		Sample use <ul style="list-style-type: none">Array_DNA_Methylation: Genome-wide DNA methylation profiling using methylation arrays, quantitative methylation measurements at the single-CpG-site levelArray_SNP: SNP genotypes obtained using standard or custom microarraysArray_miRNA_Expression: Expression data for microRNA samples (array data)Array_totRNA_Expression: Expression data for total RNA samples (array data)Imputation_SNP: Imputed SNP genotypesLegacy_Genotype: Legacy genotype dataPCR_DNA_SNP: SNP genotypes obtained using PCR amplified DNASeq_DNA_SNP: SNP genotypes derived from sequence dataSeq_DNA_SNP_CNV: SNP and CNV genotypes derived from sequence data
phv00159954.v10.p10	SAMPLE_USE	

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Framingham Cohort

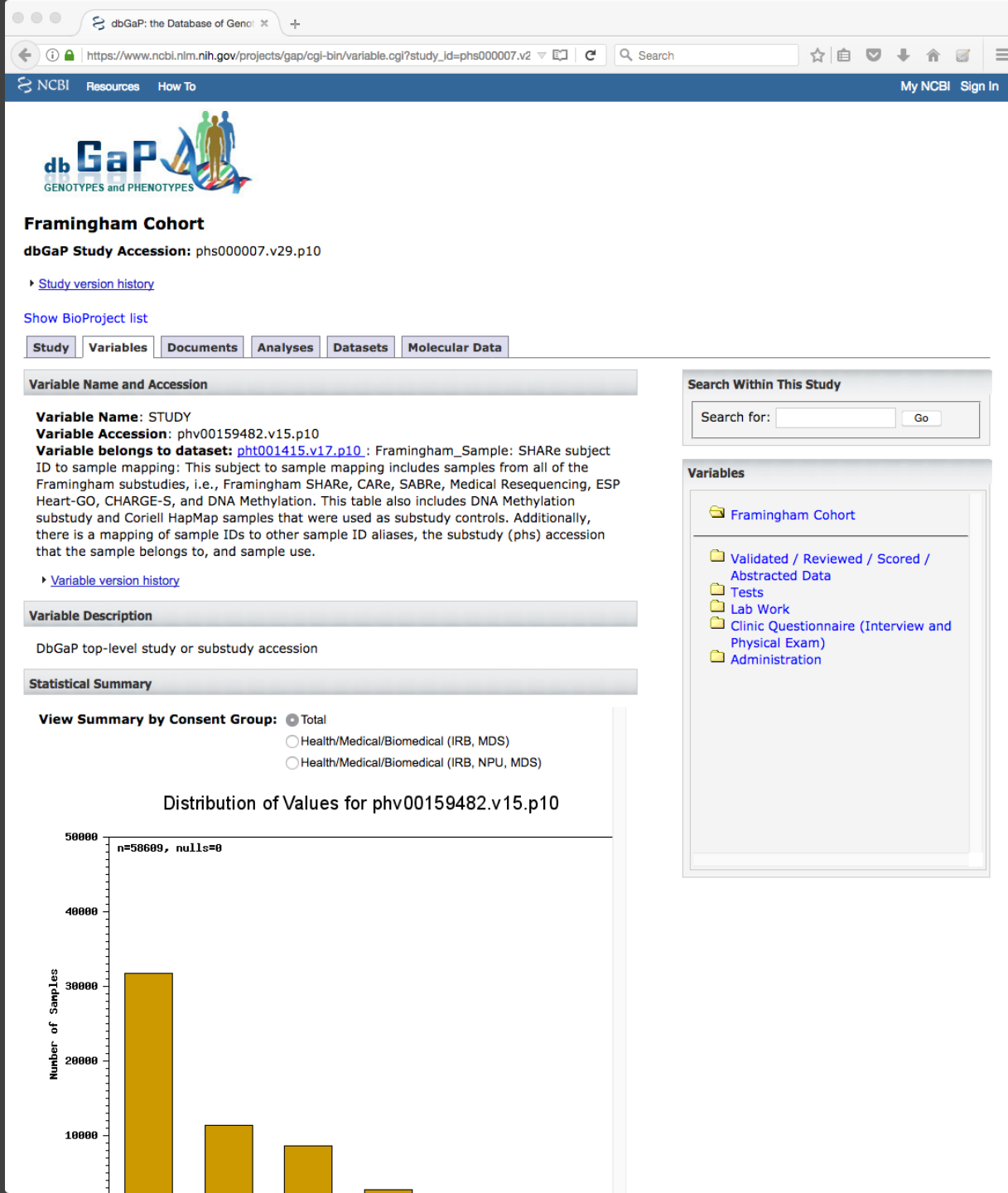
Validated / Reviewed / Scored / Abstracted Data

Tests

Lab Work

Clinic Questionnaire (Interview and Physical Exam)

Administration



Searching phenotype data in
TOPMed studies on dbGaP

Methods for searching dbGaP variables

- Search box on study page
- Advanced search methods
 - Entrez Search [\(link\)](#)
 - Faceted Search [\(link\)](#)

Searching from the dbGaP study page


- You can search for variables from the within-study search box
- Other dbGaP search tools are more flexible

dbGaP | phs000007.v29.p10 | X

https://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/study.cgi?study_id=phs000007.v29.p10

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Framingham Cohort

dbGaP Study Accession: phs000007.v29.p10

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Framingham Cohort

Substudies

There are
two
dbGaP
advanced
search
options

1. Entrez
2. Faceted

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dbGaP

The database of Genotypes and Phenotypes (dbGaP) was developed to archive and distribute the data and results from studies that have investigated the interaction of genotype and phenotype in Humans.

Access dbGaP Data

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Latest Studies

Study	Embargo Release	Details	Participants	Type Of Study	Links	Platform
phs000989.v2.p1 Study of Human Developmental Neurogenesis	Version 1: passed embargo Version 2:	V D A S	10	Cohort	Links	HiSeq 2000
phs000806.v1.p1 MIGen ExS: Ottawa Heart Study	Version 1: passed embargo	V D A S	1968	Case-Control, Cross-Sectional	Links	HiSeq 2000 HiSeq 2500 SureSelect Human All Exon v.2 Kit
phs000791.v1.p1 Integrated Epigenetic Maps of Human Embryonic, Extraembryonic and Adult Cells	Version 1: 2016-12-24	V D A S	50	Control Set	Links	HiSeq 2000 Genome Analyzer II Genome Analyzer IIX HiSeq 2000 HiSeq 2000 Genome Analyzer II Genome Analyzer IIX HiSeq 2000 HiSeq 2000 Genome Analyzer IIX HiSeq 2000 Genome Analyzer II Genome Analyzer IIX HiSeq 2000 Genome Analyzer II Genome Analyzer IIX
phs000952.v1.p1 Substance Dependence GWAS in European- and African - Americans	Version 1: 2017-03-15	V D A S	2872	Case-Control, Family	Links	HumanOmni1-Quad_v1-0_B
phs000998.v1.p1 Transcriptome Profile of Endothelial Cells in PAH Patients vs Controls	Version 1: passed embargo	V D A S	13	Case-Control	Links	HiSeq 2000

[List Top Level Studies](#)

Entrez searching ([link](#))

- Use the Advanced search builder or type search field qualifiers into the search bar
- Use the “Belongs To” field qualifier to search for variables within studies
- Searches are automatically saved to your search history if you are logged in to a My NCBI account
- Once you have search results, click on the “Variables” tab to see results for phenotype variables

Advanced search - dbGaP - NCI

https://www.ncbi.nlm.nih.gov/gap

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dbGaP Advanced Search Builder

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Use the builder below to create your search

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There is no recent history

You are here: NCBI > Genetics & Medicine > Database of Genotypes and Phenotypes (dbGaP)

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Entrez search examples

- Search within several TOPMed studies:
 - (phs000007[Belongs To] OR phs000286[Belongs To] OR phs000284[Belongs To] OR phs000462[Belongs To])
- Search for variables within those studies

(add these to the end of the above search string)

- Search within variable names
 - AND bmi[Variable Name]
- Search within variable descriptions
 - AND bmi[Variable Description]
- Search within variable name OR variable description
 - AND (bmi[Variable Name] OR bmi[Variable Description])

www.ncbi.nlm.nih.gov/gap/?term=2[s_discriminator] AND (phs000007[Belongs To] OR phs000286[Belo

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dbGaPdbGaPongs To] OR phs000286[Belongs To] OR phs000284[Belongs To] OR phs000462[Belongs To]]SearchCreate alertLimitsAdvancedHelp

20 per page







Search results

Items: 1 to 20 of 64841

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Search results: 64841 Variables, 2812 Analyses, 1147 Documents, and 478 Datasets in 4 Studies

Studies (4)Variables (64841)Documents (1147)Analyses (2812)Datasets (478)

Clinical Variable	Dataset	Variable Description	Variable ID
 s_sedcntwed15 Framingham Cohort	t_physactf_ex09_1b_0833s Physical Activity Monitor (Actical®), Offspring Exam 9, Omni 1 Exam 4. The Actical physical activity monitor was administered at both the Offspring Exam 9 clinic exam (t_physactf_ex09_1b_0833s) and also at the Generation 3 Exam 2 clinic exam (t_physactf_ex02_3b_0914s). The Offspring Exam 9 study participants were instructed to take the monitor off during sleep, whereas the Generation 3 Exam 2 study participants were instructed to sleep with the monitor on. As a result, the two datasets may not be comparable for some measures. It is advisable to take this difference into account when analyzing the data.	Sporadic Sedentary Counts Wednesday Hour: 15 (KV929724384) ah: s_sedcntwed15	phv00245581.v1.p10
 j390 Framingham Cohort	e_exam_ex09_1b_0844s Clinic Exam: Interview, Physical Exam, ECO, Offspring Exam 9 and Omni 1 Exam 4. Surviving Offspring and Omni Group 1 participants were invited to attend clinic examination 9/4 respectively. Participants who declined a clinic examination were offered a visit in their personal residence or nursing home. The examination included a physician-administered medical history interview (or for examinations that occurred outside the research clinic, a technician-administered interview), technician-administered questionnaires to assess cognitive and physical function, and clinical measurements (anthropometric measurements, ECG and physical performance measures). In addition participants underwent ankle-brachial blood pressure testing and pulmonary function testing. Participants completed self-administered questionnaires that asked about diet, sleep and health.	Electrocardiograph-Part II: Hypertrophy, enlargement, and other ECG Diagnoses: U-wave present	phv00254237.v1.p10
 G3A508 Framingham Cohort	ex3_1s Clinic Exam, Generation 3 Exam 1	CLIMBING SEVERAL FLIGHTS OF STAIRS	phv00021262.v4.p10
 Staging8 Framingham Cohort	sleep1_1998s Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998	Staging: wake-sleep reliable?	phv00055886.v4.p10
 FO607 Framingham Cohort	ex0_22s Clinic Exam, Original Cohort Exam 22	ACTIVITIES E - KNEE OSTEOARTHRITIS PHYSICAL EXAM LEFT KNEE GRIND	phv00005424.v1.p10
 motcntsat10 Framingham Cohort	t_physactf_ex02_3b_0914s Physical Activity Monitor (Actical®), Generation 3 Exam 2, New Offspring Spouse Exam 2, and Omni 2 Exam 2. The Actical physical activity monitor was administered at both the Offspring Exam 9 clinic exam (t_physactf_ex09_1b_0833s) and also at the Generation 3 Exam 2 clinic exam (t_physactf_ex02_3b_0914s). The Offspring Exam 9 study participants were instructed to take the monitor off during sleep, whereas the Generation 3 Exam 2 study participants were instructed to sleep with the monitor on. As a result, the two datasets may not be comparable for some measures. It is advisable to take this difference into account when analyzing the data.	Motionless Counts Saturday Hour: 10 (KV1321006341) ih	phv00229743.v1.p10

Filter your results:

All (64841)

disease (0)

dbgap_type_studies (0)

[Studies having SRA data \(280\)](#)

[SHARE project \(58062\)](#)

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 (phs000007[Belongs To] OR phs000286[Belongs To] OR dbGaP



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dbGaPdbGaPBelongs To] OR phs0000284[Belongs To] OR phs000462[Belongs To]) AND bmi[Variable Name]SearchCreate alertLimitsAdvancedHelp

20 per page

Search resultsItems: 12

Search results: 12 Variables, 0 Analyses, 0 Documents, and 0 Datasets in 3 Studies

Studies (3)Variables (12)Documents (0)Analyses (0)Datasets (0)

Clinical Variable	Dataset	Variable Description	Variable ID
 BMI_s1 Framingham Cohort	sleep1_1998s Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998	BMI = weight/((height/100)*(height/100))	phv00056588.v5.p10
 bmi_s2 Framingham Cohort	sleep1_2003s Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003	Body Mass Index (BMI = pm202/((pm207/100)*(pm207/100)))	phv00056833.v2.p10
 BMI_2 TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the second study visit	phv00171731.v1.p1
 BMI_3 TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the third study visit	phv00171732.v1.p1
 BMI_NUM TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Number of study visits for which we have Body mass index	phv00171735.v1.p1
 BMI_YR TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Year of the most recent study visit for which we have Body mass index	phv00171737.v1.p1
 bmi TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the most recent study visit for which we have data for this participant	phv00171729.v1.p1
 BMI_5	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of		

Filter your results:

All (12)

disease (0)

dbgap_type_studies (0)

[Studies having SRA data \(9\)](#)

[SHARE project \(2\)](#)

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(phs000007[Belongs To] OR phs000286[Belongs To] OR

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Help

Search results

Items: 4

Search results: 4 Variables, 0 Analyses, 0 Documents, and 0 Datasets in 2 Studies

Studies (2)Variables (4)Documents (0)Analyses (0)Datasets (0)

Clinical Variable	Dataset	Variable Description	Variable ID
 BMI_s1 Framingham Cohort	sleep1_1998s Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998	BMI = weight/((height/100)*(height/100))	phv00056588.v5.p10
 bmi_s2 Framingham Cohort	sleep1_2003s Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003	Body Mass Index (BMI = pm202/((pm207/100)*(pm207/100)))	phv00056833.v2.p10
 bmiqe30 NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE)	CFS CARE Subject Phenotypes The data set provides longitudinal phenotype information that was collected over a time period of about 15 years through home and clinic visits; all subjects had been clinically diagnosed with obstructive sleep apnea, and first/second degree relatives and/or spouses where included whenever possible. Questionnaires were designed for adults or children, and queried for a variety of factors relating to sleep disordered breathing, e.g. quality and quantity of sleep (including questions about apnea/hypopnea), heart and lung function, weight gain/loss, BMI, the presence/absence of other health problems (e.g. allergies, asthma, cancer, diabetes, stroke, etc.), and which family members were affected; subjects' information about use of medication(s) and vitamins, lifestyle choices (smoking, exercising, alcohol consumption, etc.) and evaluation of 'quality of life' and other psychological data (CHQ, ESS, FOS, MOS, SF36) are included. The children's questionnaire also provides information about birth status (premature/full-term), birth weight and maternal behavior during pregnancy (e.g. smoking, alcohol consumption).	BMI >= 30	phv00122995.v1.p1
 lnbmi NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE)	CFS CARE Subject Phenotypes The data set provides longitudinal phenotype information that was collected over a time period of about 15 years through home and clinic visits; all subjects had been clinically diagnosed with obstructive sleep apnea, and first/second degree relatives and/or spouses where included whenever possible. Questionnaires were designed for adults or children, and queried for a variety of factors relating to sleep disordered breathing, e.g. quality and quantity of sleep (including questions about apnea/hypopnea), heart and lung function, weight gain/loss, BMI, the presence/absence of other health problems (e.g. allergies, asthma, cancer, diabetes, stroke, etc.), and which family members were affected; subjects' information about use of medication(s) and vitamins, lifestyle choices (smoking, exercising, alcohol consumption, etc.) and evaluation of 'quality of life' and other psychological data (CHQ, ESS, FOS, MOS, SF36) are included. The children's questionnaire also provides information about birth status (premature/full-term), birth weight and maternal behavior during pregnancy (e.g. smoking, alcohol consumption).	Log (BMI)	phv00122994.v1.p1

Filter your results:

All (4)

disease (0)

dbgap_type_studies (0)

Studies having SRA data (0)

[SHARE project \(2\)](#)

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ongs To] OR phs000462[Belongs To] AND (bmi[Variable Name] OR bmi[Variable Description])

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20 per page

Search results

Items: 14

Search results: 14 Variables, 0 Analyses, 0 Documents, and 0 Datasets in 3 Studies

Studies (3) Variables (14) Documents (0) Analyses (0) Datasets (0)

Clinical Variable	Dataset	Variable Description	Variable ID
 BMI_s1 Framingham Cohort	sleep1_1998s Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998	BMI = weight/((height/100)*(height/100))	phv00056588.v5.p10
 bmi_s2 Framingham Cohort	sleep1_2003s Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003	Body Mass Index (BMI = pm202/((pm207/100)*(pm207/100)))	phv00056833.v2.p10
 BMI_2 TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the second study visit	phv00171731.v1.p1
 BMI_3 TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the third study visit	phv00171732.v1.p1
 BMI_NUM TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Number of study visits for which we have Body mass index	phv00171735.v1.p1
 BMI_YR TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Year of the most recent study visit for which we have Body mass index	phv00171737.v1.p1
 bmi TZD-GENES Project 2: San Antonio Mexican American Family Studies	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the most recent study visit for which we have data for this participant	phv00171729.v1.p1
 BMI_5	TZD_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of		

Filter your results:

All (14)

disease (0)

dbgap_type_studies (0)

[Studies having SRA data \(9\)](#)

[SHARE project \(2\)](#)

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- Go to the Variables tab
- Put the phs number into the “Study” box
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 - Zero padding may be necessary e.g. for 000007
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- The study name gets added to the search construction at top of page

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Study Disease/Focus (407)

Study Design (14)

Study Molecular Data Type (31)

Study Markerset (157)

NIH Institute (22)

Study Consent (396)

Study Type (65)

Study Subject Count

Studies (900)Variables (229378)Phenotype Datasets (5303)Documents (5759)Molecular Datasets (837)Analyses (4466)

1 [NEI Age-Related Eye Disease Study \(AREDS\)](#)

Accessionphs000001.v3.p1

Study Disease/FocusCataract

Study DesignCase-Control

Study MarkersetIllumina100K, Affymetrix_100K, HumanOmni2.5-4v1_D

Study Molecular Data TypeSNP Genotypes (Array)

Study Content16 phenotype datasets, 635 variables, 48 documents, 3 analyses, 3 molecular datasets, 4757 subjects, 6962 samples, 1 sub-studies

NIH InstituteNEI

Study ConsentEDO --- Eye disease research only , GRU --- General research purposes

Subject Count4757

Release Date2012-04-05

Embargo Release Date2016-02-11

The Age-Related Eye Disease Study (AREDS) was initially designed as a long-term multi-center, prospective study of the clinical course of age-related macular degeneration (AMD) and age-related cataract. In addition ... to collecting natural history data, AREDS included a clinical trial of high-dose vitamin and mineral supplements for AMD and a clinical trial of high...

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2 [Framingham Cohort](#)

Accessionphs000007.v29.p10

Study Disease/FocusCardiovascular Diseases

Study DesignProspective Longitudinal Cohort

Study MarkersetHuEx-1_0-st, custom_probe_set, Affymetrix_50K, Affymetrix_100K, Genome-Wide_Human_SNP_Array_5.0, LegacySet, HapMap_phaseII, CVDSNP55v1_A, exome_vcf_grc37, HumanOmni5-4v1_B, targeted_region_sequencing, SNP-PCR, HumanMethylation450, WES_markerset_grc36, WGS_markerset_grc36, FHSOmni_Axiom_PLINK_Markerset, HumanExome-12v1_CHARGE-ExomeChip-v6, 1000G_ref_panel, exome_vcf_ESP6800, WGS_markerset_grc37, WES_markerset_grc37, HRC1_ref_panel

Study Molecular Data TypeMethylation (CpG), miRNA Expression (Array), SNP Genotypes (PCR), Legacy Genotypes, SNP Genotypes (NGS), SNP/CNV Genotypes (NGS), SNP Genotypes (Array), Whole Genome (NGS), SNP Genotypes (imputed), Whole Exome (NGS), Targeted Genome (NGS), mRNA Expression (Array)

Study Content427 phenotype datasets, 61635 variables, 1244 documents, 3029 analyses, 24 molecular datasets, 15172 subjects, 50857 samples, 7 sub-studies

NIH InstituteNHLBI

Study ConsentHMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical /biomedical (irb, npu, mds)

Subject Count15172

Release Date2013-03-03

The Cancer Genome Atlas (TCGA)

Accessionphs000178.v9.p8

Study Disease/FocusNeoplasms

Study DesignTumor vs. Matched-Normal

Study MarkersetWGS_markerset_grc37

Study Molecular Data TypeSNV (.MAF)

Study Content2 phenotype datasets, 7 variables, 1 molecular datasets, 356 subjects, 356 samples, 1 sub-studies

NIH InstituteNHGRI

Study ConsentGRU --- General research use

Subject Count356

Release Date2015-04-13

Embargo Release Date2015-04-13

The Cancer Genome Atlas (TCGA) is a comprehensive and coordinated effort to accelerate our understanding of the molecular basis of cancer through the application of genome analysis technologies, including ... large-scale genome sequencing. TCGA is a joint effort of the National Cancer Institute (NCI) and the National Human Genome Research Institute (NHGRI)...

[FileSelector](#) [PubMed](#) [PMC](#) [MeSH](#) [BioProject](#) [BioSample](#)

4 [Genetic Epidemiology of COPD \(COPDGene\)](#)

Accessionphs000179.v5.p2

Study Disease/FocusPulmonary Disease, Chronic Obstructive

Study DesignCase-Control

Study MarkersetHumanOmni1-Quad_v1-0_B, exome_vcf_grc37

Study Molecular Data TypeWhole Exome (NGS), SNP Genotypes (NGS), SNP Genotypes (Array)

Study Content4 phenotype datasets, 341 variables, 16 documents, 3 analyses, 5 molecular datasets, SRA, 10371 subjects, 11415 samples, 2 sub-studies

NIH InstituteNHLBI

Study ConsentHMB --- Health/medical/biomedical , DS-CS-RD --- Disease-specific (copd and smoking, rd)

Subject Count10371

Release Date2017-02-02

Embargo Release Date2015-09-19

Chronic obstructive pulmonary disease (COPD) is the fourth leading cause of death in the United States and the only leading cause of death that is steadily increasing in frequency. ... This project will establish a racially diverse cohort that is sufficiently large and appropriately designed for genome-wide association analysis of...

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5 [Women's Health Initiative](#)

Accessionphs000200.v11.p3

Study Disease/FocusWomen's Health

Search for “bmi” within variable names and descriptions for several studies

dbGaP Advanced Search

Study IN (Framingham Cohort (phs000007.v27.p10) , Jackson Heart Study (JHS) Cohort (phs000286.v4.p1) , NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1) , T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1))

Type Keyword or Phrase

Study (92) Sort By Alphabetical clear

☐ A Genome-Wide Association Study in Breast Cancer Patients from the SUCCESS Trial (phs000547.v1.p1) (2)

☐ A Genome-Wide Association Study of Peripheral Arterial Disease (phs000203.v1.p1) (1)

☐ A Multiethnic GWAS of Prostate Cancer (phs000306.v4.p1) (2)

Study Disease/Focus (3) Sort By Alphabetical

☐ Cardiovascular Diseases (2)

☐ Diabetes Mellitus, Type 2 (1)

☐ Sleep Apnea Syndromes (3)

Study Design (2) Sort By Decreasing

☐ Prospective Longitudinal Cohort (5)

☐ Family/Twin/Trios (1)

Study Molecular Data Type (12) Sort By Decreasing

☐ SNP Genotypes (Array) (5)

☐ Whole Genome (NGS) (3)

☐ SNP/CNV Genotypes (NGS) (2)

☐ SNP Genotypes (PCR) (2)

☐ mRNA Expression (Array) (2)

☐ SNP Genotypes (NGS) (3)

Study MarkerSet (23) Sort By Alphabetical

☐ 1000G_ref_panel (2)

☐ Affymetrix_100K (2)

☐ Affymetrix_50K (2)

☐ custom_probe_set (2)

☐ CVDSP55v1_A (5)

☐ SNP Genotypes (NGS) (3)

NIH Institute (2) Sort By Alphabetical

☐ NHLBI (5)

☐ NIDDK (1)

Study Consent (4) Sort By Alphabetical

☐ DAR --- Diabetes and related conditions (1)

☐ HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) (2)

☐ HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds) (2)

☐ NPU --- Non profit use (3)

Study Type (2) Sort By Alphabetical

☐ Family (1)

☐ Longitudinal (6)

Show ID Variables ☐

Study Subject Count

☐ No Subjects (0)

☐ One or more (6)

☐ More than 10 (6)

☐ More than 100 (6)

Studies (1) Variables (6) Phenotype Datasets (2) Documents (16) Molecular Datasets (0) Analyses (892) 1/1

1 Body mass index at the most recent study visit for which we have data for this participant

Name bmi

Accession phv00171729.v1.p1

Study Consent DAR --- Diabetes and related conditions

Sample/Subject Count 1034

Linked Document Not Applicable

Study T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1)

Dataset T2D_GENES_Subject_Phenotypes (ph002844.v1.p1)

Embargo Release Date 2013-05-08

Variable page Study page Dataset page

2 Body mass index

Name bmi

Accession phv00122641.v1.p1

Study Consent NPU --- Non profit use

Sample/Subject Count 2943

Linked Document CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset CFS_CARE_Subject_Phenotypes (ph001902.v1.p1)

Embargo Release Date 2011-02-08

Variable page Study page Dataset page

3 Log (BMI)

Name lnBMI

Accession phv00122994.v1.p1

Study Consent NPU --- Non profit use

Sample/Subject Count 2943

Linked Document CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset CFS_CARE_Subject_Phenotypes (ph001902.v1.p1)

Embargo Release Date 2011-02-08

Variable page Study page Dataset page

4 BMI >= 30

Name bmi30

Accession phv00122995.v1.p1

Study Consent NPU --- Non profit use

Sample/Subject Count 2973

Linked Document CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset CFS_CARE_Subject_Phenotypes (ph001902.v1.p1)

Embargo Release Date 2011-02-08

Variable page Study page Dataset page

5 BMI = weight/(height/100)*(height/100)

Name BMI_s1

Accession phv00056588.v5.p10

Study Consent HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 2683

Linked Document Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998: Coding Manual (phd000993.2)

Study Framingham Cohort (phs000007.v27.p10)

Dataset sleep1_1998s (ph000395.v8.p10)

Embargo Release Date 2009-07-08

Variable page Study page Dataset page

6 Body Mass Index (BMI = pm202/(pm207/100)*(pm207/100))

Name bmi_s2

Accession phv00056833.v2.p10

Study Consent HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 563

Linked Document Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003: Coding Manual (phd001001.2)

Study Framingham Cohort (phs000007.v27.p10)

Dataset sleep1_2003s (ph000397.v3.p10)

Embargo Release Date 2009-07-08

Variable page Study page Dataset page

Search for “bmi” and
“weight” within variable
names and
descriptions for several
studies

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weight AND bmi

weight
AND bmi

Study IN (Framingham Cohort (phs000007.v27.p10) , Jackson Heart Study (JHS) Cohort (phs000286.v4.p1) , NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1) , T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1))

Save Query

Studies (1) Variables (1) Phenotype Datasets (2) Documents (8) Molecular Datasets (0) Analyses (1) 1/1

1 BMI = weight/(height/100)^2(height/100)

Name BMI_s1
Accession phv00056588.v5.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)
Sample/Subject Count 2683
Linked Document Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998: Coding Manual (phd000993.2)
Study Framingham Cohort (phs000007.v27.p10)
Dataset sleep1_1998s (phd000395.v8.p10)
Embargo Release Date 2009-07-08

[Variable page](#) [Study page](#) [Dataset page](#)

Study (5)

Sort By Alphabetical

☐ A Genome-Wide Association Study in Breast Cancer Patients from the SUCCESS Trial (phs000547.v1.p1) (1)
☐ Atherosclerosis Risk in Communities (ARIC) Cohort (phs000280.v3.p1) (1)
☐ eMERGE Network Combined Dataset (phs000360.v2.p1) (1)

Study Disease/Focus (1)

Sort By Alphabetical

☐ Cardiovascular Diseases (1)

Study Design (1)

Sort By Decreasing

☐ Prospective Longitudinal Cohort (1)

Study Molecular Data Type (12)

Sort By Decreasing

☐ SNP Genotypes (Array) (1)
☐ SNP/CNV Genotypes (NGS) (1)
☐ SNP Genotypes (PCR) (1)
☐ miRNA Expression (Array) (1)
☐ SNP Genotypes (NGS) (1)
☐ Methylation (CG) (1)

Study Markers (21)

Sort By Alphabetical

☐ 1000G_ref_panel (1)
☐ Affymetrix_100K (1)
☐ Affymetrix_50K (1)
☐ custom_probe_set (1)
☐ CVD SNP55v1_A (1)
☐ genome_ref_ensembl (1)

NIH Institute (1)

Sort By Alphabetical

☐ NHLBI (1)

Study Consent (2)

Sort By Alphabetical

☐ HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) (1)
☐ HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds) (1)

Study Type (1)

Sort By Alphabetical

☐ Longitudinal (1)

Show ID Variables ☐

Study Subject Count

☐ No Subjects (0)
☐ One or more (1)
☐ More than 10 (1)
☐ More than 100 (1)
☐ More than 1000 (1)
☐ More than 10000 (1)

Search for “race” or
“ethnicity” within
variable names and
descriptions for several
studies

dbGaP Advanced Search

race OR ethnicity

Study IN (Framingham Cohort (phs000007.v27.p10) , Jackson Heart Study (JHS) Cohort (phs000286.v4.p1) , NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1) , T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1))

Save Query

Studies (0) Variables (42) Phenotype Datasets (0) Documents (23) Molecular Datasets (0) Analyses (0) 1/3

1 Subject's Ethnicity

Name ethnicity
Accession phv00122992.v1.p1
Study Consent NPU --- Non profit use
Sample/Subject Count 2973
Linked Document CARe CFS Data Dictionary, Part 1 (phd003364.1)
Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1)
Dataset CFS_CARe_Subject_Phenotypes (phd001902.v1.p1)
Embargo Release Date 2011-02-08

Variable page Study page Dataset page

2 Subject's Race

Name race
Accession phv00122991.v1.p1
Study Consent NPU --- Non profit use
Sample/Subject Count 2973
Linked Document Adult Baseline Home Visit Type 1 (phd002997.1), Child Home Baseline and Followup Visit Type 1, 2, 3 (phd002998.1), Adult Child Lab/GCRC Visit Type 5 (phd002999.1), Adult Followup Home Visit Type 2 and 3 (phd003002.1), CARe CFS Data Dictionary, Part 1 (phd003364.1)
Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1)
Dataset CFS_CARe_Subject_Phenotypes (phd001902.v1.p1)
Embargo Release Date 2011-02-08

Variable page Study page Dataset page

3 Race

Name race
Accession phv00055250.v4.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)
Sample/Subject Count 2772
Linked Document Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998: Coding Manual (phd000993.2)
Study Framingham Cohort (phs000007.v27.p10)
Dataset sleep1_1998s (phd000395.v8.p10)
Embargo Release Date 2009-07-08

Variable page Study page Dataset page

4 21_ (is/Was) your immediate supervisor Black, White, or of another ethnicity or race?

Name AF2V21
Accession phv00124733.v1.p1
Study Consent HMB-NPU-IRB --- Health/medical/biomedical with non-profit use only with irb , DS-FDO-NPU-IRB --- Disease specific-focused disease with non-profit use only with irb , HMB-IRB --- Health/medical/biomedical with irb , DS-FDO-IRB --- Disease specific-focused disease with irb
Sample/Subject Count 2295
Linked Document Not Applicable
Study Jackson Heart Study (JHS) Cohort (phs000286.v4.p1)
Dataset AF2V (phd001928.v1.p1)
Embargo Release Date 2011-02-17

Variable page Study page Dataset page

5 Race - Native American (0=no,1=yes)

Name AMINDIAN
Accession phv00122968.v1.p1
Study Consent NPU --- Non profit use
Sample/Subject Count 2964
Linked Document CARe CFS Data Dictionary, Part 4 (phd003367.1)
Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1)
Dataset CFS_CARe_Subject_Phenotypes (phd001902.v1.p1)
Embargo Release Date 2011-02-08

Variable page Study page Dataset page

6 Race - Asian (0=no,1=yes)

Name ASIAN
Accession phv00122969.v1.p1
Study Consent NPU --- Non profit use
Sample/Subject Count 2964
Linked Document CARe CFS Data Dictionary, Part 4 (phd003367.1)
Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1)
Dataset CFS_CARe_Subject_Phenotypes (phd001902.v1.p1)
Embargo Release Date 2011-02-08

Variable page Study page Dataset page

7 Race - Black (0=no,1=yes)

Name BLACK
Accession phv00122970.v1.p1
Study Consent NPU --- Non profit use
Sample/Subject Count 2964
Linked Document CARe CFS Data Dictionary, Part 4 (phd003367.1)
Study NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARe) (phs000284.v1.p1)
Dataset CFS_CARe_Subject_Phenotypes (phd001902.v1.p1)
Embargo Release Date 2011-02-08

Study (316) Sort By Alphabetical clear

☐ A Family-Based Study of Genes and Environment in Young-Onset Breast Cancer (phs000678.v1.p1) (1)
☐ A Genome-Wide Association Study of Fuchs' Endothelial Corneal Dystrophy (FECD) (phs000421.v1.p1) (2)
☐ A Genome-Wide Association Study of Peripheral Arterial Disease (phs000293.v1.p1) (2)

Study Disease/Focus (2) Sort By Alphabetical

☐ Cardiovascular Diseases (25)
☐ Sleep Apnea Syndromes (17)

Study Design (1) Sort By Decreasing

☐ Prospective Longitudinal Cohort (42)

Study Molecular Data Type (12) Sort By Decreasing

☐ SNP Genotypes (Array) (42)
☐ Whole Exome (NGS) (25)
☐ Targeted Genome (NGS) (25)
☐ SNP/CNV Genotypes (NGS) (24)
☐ SNP Genotypes (PCR) (24)
☐ eDNA Expression (Array) (24)

Study MarkerSet (23) Sort By Alphabetical

☐ 1000G_ref_panel (24)
☐ Affymetrix_100K (24)
☐ Affymetrix_50K (24)
☐ custom_probe_set (24)
☐ CVD5NP55v1_A (42)
☐ ... and ...

NIH Institute (1) Sort By Alphabetical

☐ NHLBI (42)

Study Consent (7) Sort By Alphabetical

☐ DS-FDO-IRB --- Disease specific-focused disease with irb (1)
☐ DS-FDO-NPU-IRB --- Disease specific-focused disease with non-profit use only with irb (1)
☐ HMB-IRB --- Health/medical/biomedical with irb (1)
☐ HMB-IRB-MDS --- Health/medical/biomedical (irb, mds)

Study Type (2) Sort By Alphabetical

☐ Cohort (1)
☐ Longitudinal (41)

Show ID Variables ☐

Study Subject Count

☐ No Subjects (0)
☐ One or more (42)
☐ More than 10 (42)
☐ More than 100 (42)
☐ More than 1000 (42)
☐ More than 10000 (24)

Search for (“race” OR “ethnicity”) AND “self” within variable names and descriptions for several studies

dbGaP Advanced Search

(race OR ethnicity) AND self

Study IN (Framingham Cohort (phs000007.v27.p10) , Jackson Heart Study (JHS) Cohort (phs000286.v4.p1) , NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1) , T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1))

Save Query

Studies (0) Variables (15) Phenotype Datasets (0) Documents (3) Molecular Datasets (0) Analyses (0) 1/1

Study (57)

Sort By Alphabetical clear

☐ A Family-Based Study of Genes and Environment in Young-Onset Breast Cancer (phs000678.v1.p1) (1)

☐ A Multiethnic GWAS of Prostate Cancer (phs000306.v4.p1) (3)

☐ ADGC Genome Wide Association Study (phs000372.v1.p1) (2)

Study Disease/Focus (1)

Sort By Alphabetical

☐ Cardiovascular Diseases (15)

Study Design (1)

Sort By Decreasing

☐ Prospective Longitudinal Cohort (15)

Study Molecular Data Type (12)

Sort By Decreasing

☐ SNP Genotypes (Array) (15)

☐ SNP/CNV Genotypes (NGS) (15)

☐ SNP Genotypes (PCR) (15)

☐ mRNA Expression (Array) (15)

☐ SNP Genotypes (NGS) (15)

☐ Methylation (CG) (15)

Study Markerset (21)

Sort By Alphabetical

☐ 1000G_ref_panel (15)

☐ Affymetrix_100K (15)

☐ Affymetrix_50K (15)

☐ custom_probe_set (15)

☐ CVD_SNP55v1_A (15)

☐ ... (15)

NIH Institute (1)

Sort By Alphabetical

☐ NHLBI (15)

Study Consent (2)

Sort By Alphabetical

☐ HMB-IRB-MDS — Health/medical/biomedical (irb, mds) (15)

☐ HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds) (15)

Study Type (1)

Sort By Alphabetical

☐ Longitudinal (15)

Show ID Variables

☐ No Subjects (0)

Study Subject Count

☐ No Subjects (0)

☐ One or more (15)

☐ More than 10 (15)

☐ More than 100 (15)

☐ More than 1000 (15)

☐ More than 10000 (15)

1 Sociodemographic questions - Self administered: Which of the following best describes your ethnicity (check ONE)?

Name g3b0624

Accession phv00177597.v2.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 3707

Linked Document

Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_2011_m_0017s (phd003094.v4.p10)

Embargo Release Date 2014-03-27

[Variable page](#) [Study page](#) [Dataset page](#)

2 Sociodemographic Questions - Part 1 - Self administered: Which of the following best describes your ethnicity (check which applies): Hispanic or Latino

Name h700

Accession phv00251746.v1.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 286

Linked Document

Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Annotated Form (phd005015.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Coding Manual (phd005016.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Protocol (phd005018.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_ex03_7_0426s (phd004815.v1.p10)

Embargo Release Date 2016-08-07

[Variable page](#) [Study page](#) [Dataset page](#)

3 Sociodemographic Questions - Part 1 - Self administered: Which of the following best describes your ethnicity (check which applies): Not Hispanic or Latino

Name h701

Accession phv00251747.v1.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 285

Linked Document

Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Annotated Form (phd005015.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Coding Manual (phd005016.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Protocol (phd005018.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_ex03_7_0426s (phd004815.v1.p10)

Embargo Release Date 2016-08-07

[Variable page](#) [Study page](#) [Dataset page](#)

4 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): Caucasian or White

Name g3b0625

Accession phv00177598.v2.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 3780

Linked Document

Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_2011_m_0017s (phd003094.v4.p10)

Embargo Release Date 2014-03-27

[Variable page](#) [Study page](#) [Dataset page](#)

5 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): African-American or Black

Name g3b0626

Accession phv00177599.v2.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 3780

Linked Document

Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_2011_m_0017s (phd003094.v4.p10)

Embargo Release Date 2014-03-27

[Variable page](#) [Study page](#) [Dataset page](#)

6 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): Asian

Name g3b0627

Accession phv00177600.v2.p10

Study Consent HMB-IRB-MDS — Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS — Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count 3780

Linked Document

Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)

Study Framingham Cohort (phs000007.v27.p10)

Dataset e_exam_2011_m_0017s (phd003094.v4.p10)

Embargo Release Date 2014-03-27

Copy a link to the search to use again later by clicking “Save Query” button

* Doesn't work in Safari

The screenshot shows the dbGaP Advanced Search interface. The search query is "(race OR ethnicity) AND self". The results are displayed in a table with columns for Study, Variables, Phenotype Datasets, Documents, Molecular Datasets, and Analyses. The first result is "Sociodemographic questions - Self administered: Which of the following best describes your ethnicity (check ONE)?". The "Save Query" button is highlighted in a red box in the top right corner.

dbGaP Advanced Search

(race OR ethnicity) AND self

Study (57) Sort By Alphabetical clear

Study Disease/Focus (1) Sort By Alphabetical

Study Design (1) Sort By Decreasing

Study Molecular Data Type (12) Sort By Decreasing

Study Markers (21) Sort By Alphabetical

NIH Institute (1) Sort By Alphabetical

Study Consent (2) Sort By Alphabetical

Study Type (1) Sort By Alphabetical

Show ID Variables

Study Subject Count

Study (57) Variables (15) Phenotype Datasets (0) Documents (3) Molecular Datasets (0) Analyses (0) 1/1

1 Sociodemographic questions - Self administered: Which of the following best describes your ethnicity (check ONE)?

Name g3b0624
Accession phv00177597.v2.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 3707
Linked Document Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_2011_m_0017s (phd003094.v4.p10)
Embargo Release Date 2014-03-27

Variable page Study page Dataset page

2 Sociodemographic Questions - Part I - Self-administered: Which of the following best describes your ethnicity (check which applies): Hispanic or Latino

Name h700
Accession phv00251746.v1.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 285
Linked Document Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Annotated Form (phd005015.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Coding Manual (phd005016.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Protocol (phd005018.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_ex03_7_0428s (phd004815.v1.p10)
Embargo Release Date 2016-08-07

Variable page Study page Dataset page

3 Sociodemographic Questions - Part I - Self-administered: Which of the following best describes your ethnicity (check which applies): Not Hispanic or Latino

Name h701
Accession phv00251747.v1.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 285
Linked Document Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Annotated Form (phd005015.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Coding Manual (phd005016.1), Clinic Exam Data: Interview, Physical Exam, ECG, Omni 1 Cohort Exam 3: Protocol (phd005018.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_ex03_7_0428s (phd004815.v1.p10)
Embargo Release Date 2016-08-07

Variable page Study page Dataset page

4 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): Caucasian or White

Name g3b0625
Accession phv00177598.v2.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 3780
Linked Document Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_2011_m_0017s (phd003094.v4.p10)
Embargo Release Date 2014-03-27

Variable page Study page Dataset page

5 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): African-American or Black

Name g3b0626
Accession phv00177599.v2.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 3780
Linked Document Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_2011_m_0017s (phd003094.v4.p10)
Embargo Release Date 2014-03-27

Variable page Study page Dataset page

6 Sociodemographic questions - Self administered: Which of the following best describes your race (check ALL that apply): Asian

Name g3b0627
Accession phv00177600.v2.p10
Study Consent HMB-IRB-MDS --- Health/medical/biomedical (rb, mds), HMB-IRB-NPU-MDS --- Health/medical/biomedical (rb, npu, mds)
Sample/Subject Count 3780
Linked Document Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Annotated Form (phd004122.1), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Coding Manual (phd004123.4), Clinic Exam: Interview, Physical Exam, ECG, Gen 3 Exam 2, New Offspring Spouse Exam 2, Omni 2 Exam 2: Protocol (phd004124.1)
Study Framingham Cohort (phs000007.v27.p10)
Dataset e_exam_2011_m_0017s (phd003094.v4.p10)
Embargo Release Date 2014-03-27

Comparison of search tools

Entrez advanced search

- Updates when hitting “Search”
- Easily re-use a search string to search within multiple studies
- Save searches in account history
- Searching within variables is more difficult
- Specify whether to search within variable names and/or descriptions
- Must click on Variables tab after every search

Facets advanced search

- Live updating
- Manually select each study to search within
- Save a link to the search for later
- Easily search within variables
- Searches within variable names and descriptions
- Stays in the Variables tab after search modifications

Saving phenotype variables for later reference

- Variable accession number (phv) with version
- Study accession number (phs) with version
- Variable name

Variable information on faceted search results page

facets

www.ncbi.nlm.nih.gov/projects/gapsolr/facets.html

dbGaP Advanced Search

Study IN (Framingham Cohort (phs000007.v27.p10) , Jackson Heart Study (JHS) Cohort (phs000286.v4.p1) , NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1) , T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1))

bmi

Study (92)

Sort By: Alphabetical

☐ A Genome-Wide Association Study in Breast Cancer Patients from the SUCCESS Trial (phs000547.v1.p1) (2)

☐ A Genome-Wide Association Study of Peripheral Arterial Disease (phs000203.v1.p1) (1)

☐ A Multiethnic GWAS of Prostate Cancer (phs000306.v4.p1) (2)

Study Disease/Focus (3)

Sort By: Alphabetical

☐ Cardiovascular Diseases (2)

☐ Diabetes Mellitus, Type 2 (1)

☐ Sleep Apnea Syndromes (3)

Study Design (2)

Sort By: Decreasing

☐ Prospective Longitudinal Cohort (5)

☐ Family/Twin/Trios (1)

Study Molecular Data Type (12)

Sort By: Decreasing

☐ SNP Genotypes (Array) (5)

☐ Whole Genome (NGS) (3)

☐ SNP/CNV Genotypes (NGS) (2)

☐ SNP Genotypes (PCR) (2)

☐ miRNA Expression (Array) (2)

☐ SNP Genotypes (NGS) (2)

Study MarkerSet (23)

Sort By: Alphabetical

☐ 1000G_ref_panel (2)

☐ Affymetrix_100K (2)

☐ Affymetrix_50K (2)

☐ custom_probe_set (2)

☐ CVDSP55v1_A (5)

☐ ...

NIH Institute (2)

Sort By: Alphabetical

☐ NHLBI (5)

☐ NIDDK (1)

Study Consent (4)

Sort By: Alphabetical

☐ DAR --- Diabetes and related conditions (1)

☐ HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) (2)

☐ HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds) (2)

☐ NPU --- Non profit use (3)

Study Type (2)

Sort By: Alphabetical

☐ Family (1)

☐ Longitudinal (6)

Show ID Variables ☐

Study Subject Count

Studies (1) Variables (6) Phenotype Datasets (2) Documents (16) Molecular Datasets (0) Analyses (892) 1/1

Body mass index

Name: bmi

Accession: phv00122641.v1.p1

Study Consent: NPU --- Non profit use

Sample/Subject Count: 2943

Linked Document: CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study: NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset: CFS_CARE_Subject_Phenotypes (phd001902.v1.p1)

Embargo Release Date: 2011-02-08

[Variable page](#) [Study page](#) [Dataset page](#)

Body mass index at the most recent study visit for which we have data for this participant

Name: bmi

Accession: phv00171729.v1.p1

Study Consent: DAR --- Diabetes and related conditions

Sample/Subject Count: 1034

Linked Document: Not Applicable

Study: T2D-GENES Project 2: San Antonio Mexican American Family Studies (phs000462.v1.p1)

Dataset: T2D_GENES_Subject_Phenotypes (phd002844.v1.p1)

Embargo Release Date: 2013-05-08

[Variable page](#) [Study page](#) [Dataset page](#)

Log (BMI)

Name: lnBMI

Accession: phv00122994.v1.p1

Study Consent: NPU --- Non profit use

Sample/Subject Count: 2943

Linked Document: CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study: NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset: CFS_CARE_Subject_Phenotypes (phd001902.v1.p1)

Embargo Release Date: 2011-02-08

[Variable page](#) [Study page](#) [Dataset page](#)

BMI >= 30

Name: bmi30

Accession: phv00122995.v1.p1

Study Consent: NPU --- Non profit use

Sample/Subject Count: 2973

Linked Document: CARE CFS Data Dictionary, Part 1 (phd003364.1)

Study: NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE) (phs000284.v1.p1)

Dataset: CFS_CARE_Subject_Phenotypes (phd001902.v1.p1)

Embargo Release Date: 2011-02-08

[Variable page](#) [Study page](#) [Dataset page](#)

BMI = weight/((height/100)*(height/100))

Name: BMI_s1

Accession: phv00056588.v5.p10

Study Consent: HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count: 2683

Linked Document: Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998: Coding Manual (phd000993.2)

Study: Framingham Cohort (phs000007.v27.p10)

Dataset: sleep1_1998s (phd000395.v8.p10)

Embargo Release Date: 2009-07-08

[Variable page](#) [Study page](#) [Dataset page](#)

Body Mass Index (BMI = pm202/((pm207/100)*(pm207/100)))

Name: bmi_s2

Accession: phv00056833.v2.p10

Study Consent: HMB-IRB-MDS --- Health/medical/biomedical (irb, mds) , HMB-IRB-NPU-MDS --- Health/medical/biomedical (irb, npu, mds)

Sample/Subject Count: 583

Linked Document: Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003: Coding Manual (phd001001.2)

Study: Framingham Cohort (phs000007.v27.p10)

Dataset: sleep1_2003s (phd000397.v3.p10)

Embargo Release Date: 2009-07-08

[Variable page](#) [Study page](#) [Dataset page](#)

Variable information on Entrez search results page

* You'll have to click through to the variable detail page to find the study phs number

dbGaP Search results page showing search criteria and results.

Search criteria: `ongs Toj OR phs000462[Belongs Toj] AND (bmi[Variable Name] OR bmi[Variable Description])`

Search results: 14 Variables, 0 Analyses, 0 Documents, and 0 Datasets in 3 Studies

Clinical Variable	Dataset	Variable Description	Variable ID
BMI_s1 Framingham Cohort	sleep1_1998s Sleep Heart Health Study Baseline, Offspring Cohort 1995 - 1998	BMI = weight/((height/100)*(height/100))	phv00056588.v5.p10
bmi_s2 Framingham Cohort	sleep1_2003s Sleep Heart Health Study 2nd Follow Up, Offspring Cohort 1999 - 2003	Body Mass Index (BMI = pm202/((pm207/100)*(pm207/100)))	phv00056833.v2.p10
BMI_2 T2D-GENES Project 2: San Antonio Mexican American Family Studies	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the second study visit	phv00171731.v1.p1
BMI_3 T2D-GENES Project 2: San Antonio Mexican American Family Studies	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the third study visit	phv00171732.v1.p1
BMI_NUM T2D-GENES Project 2: San Antonio Mexican American Family Studies	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Number of study visits for which we have Body mass index	phv00171735.v1.p1
BMI_YR T2D-GENES Project 2: San Antonio Mexican American Family Studies	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Year of the most recent study visit for which we have Body mass index	phv00171737.v1.p1
bmi T2D-GENES Project 2: San Antonio Mexican American Family Studies	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of diagnosis, and medications used. In addition, measurement data are available for: body structure (including height, weight, BMI, waist - hip ratio), blood pressure, and blood levels of adiponectin, creatinine, cystatin, GAD antibodies, glucose, insulin, leptin, different lipids.	Body mass index at the most recent study visit for which we have data for this participant	phv00171729.v1.p1
BMI_5	T2D_GENES_Subject_Phenotypes The dataset includes data obtained at each of five study visits, describing affection status (Type 2 Diabetes, onset), age at time of		

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Variable information on variable detail page

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Variable Name and Accession

Variable Name: **bmi**
Variable Accession: **phv00122641.v1.p1**
Variable belongs to dataset: **pht001902.v1.p1**: CFS_CARE_Subject_Phenotypes: CARE_CFS (Cleveland Family Study) - Sleep and Health Phenotype (Adults/Children)

Variable Description

Body mass index

Comment: Dictionary was submitted w/out code definitions; wherever possible, code meanings were extracted from submitted file: [CARE_CFS_Data_Dictionary_IAD](#) and inserted; others were extracted from a SAS format catalog by T.Y. (BROAD Institute) and added.

Statistical Summary

Distribution of Values for phv00122641.v1.p1

number_of_values=2943, nulls=30, median=28.88, mean=30.11, SD=9.269

Number of Values (2)

bmi

Note: For some subjects multiple values were provided.
Number of subjects with values: 1466
Maximum values per subject: 4

Document Parts Related to Variable

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Variables

- NHLBI Cleveland Family Study (CFS) Candidate Gene Association Resource (CARE)
- CFS - Phenotype Data
- CFS - Pedigree Information
- CFS - Subject-Sample Mapping
- CFS - Subject - Consent Information

Links

- dbGaP demos http://www.ncbi.nlm.nih.gov/projects/gap/tutorial/dbGaP_demo_1.htm
- NCBI Handbook: dbGaP <http://www.ncbi.nlm.nih.gov/books/NBK154410/>
- NCBI Entrez information <http://www.ncbi.nlm.nih.gov/Class/MLACourse/Original8Hour/Entrez/>
 - Especially the section “Three Levels of Search Complexity”
- Faceted search demo webinar video https://www.youtube.com/watch?v=ePQ9p2SL_wM
- Entrez search help <http://www.ncbi.nlm.nih.gov/books/NBK3837/>

- Publications:

Mailman et al. 2007. The NCBI dbGaP database of genotypes and phenotypes. Nature Genetics. 39(10): 1181 - 1186.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2031016/>

Tryka et al. 2014. NCBI's Database of Genotypes and Phenotypes: dbGaP. Nucleic Acids Research. 42: D975 – D979.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3965052/>