How to Use the Data Browser

The Data Browser is an interactive tool that allows you to learn more about the data collected as part of the *All of Us* Research Program. You can explore the survey questions and answers and physical measurements taken at the time of participant enrollment. You can also learn more about electronic health record (EHR) data. The Data Browser will allow you to see how many of the *All of Us* participants have certain conditions, survey answers, demographics, and more.

Home > Data Browser

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment, as well as electronic health record data are available. The *All of Us* Research Program data will include more data types over time.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information. For more information, please visit our FAQ page.

Search Across Data Types ⓘ

Q Keyword Search

Data based on Curated Data Repository (CDR) dated 2/11/2020 with 225,140 total participants.

FAQs   Introductory Videos   User Guide

EHR Domains: ⓘ

Conditions ⓘ	Drug Exposures ⓘ	Labs & Measurements ⓘ	Procedures ⓘ
20,776	20,951	10,049	20,546
medical concepts	medical concepts	medical concepts	medical concepts
113,200 participants in this domain	104,500 participants in this domain	109,100 participants in this domain	102,140 participants in this domain
View Top Conditions	View Top Drug Exposures	View Top Labs & Measurements	View Top Procedures

Survey Questions:

The Basics ⓘ	Overall Health ⓘ	Lifestyle ⓘ
16	21	26
questions available	questions available	questions available
225,140 participants in this domain	219,800 participants in this domain	218,500 participants in
This survey includes participant demographic information.	Survey includes information about how participants report levels of individual health.	Survey includes inform alcohol and recreation
View Complete Survey	View Complete Survey	View Complete Survey

Health Care Access & Utilization ⓘ	Family Medical History ⓘ
57	67
questions available	questions available
45,820 participants in this domain	41,600 participants in this domain
Survey includes information about a participant's access to and use of health care.	Survey includes information about the medical history of a participant's immediate biological family members.
View Complete Survey	View Complete Survey

Program Physical Measurements:

Physical Measurements ⓘ

8

physical measurements

192,900 participants in this domain

Participants have the option to provide a standard set of physical measurements as part of the enrollment process ("program physical measurements").

View Program Physical Measurements

EHR Domains

Electronic health records (EHR) contain information about a person's health. Medical concepts are similar to medical terms; they describe the information in a patient's EHR, such as a condition they have, a doctor's diagnosis, a prescription they are taking, or a procedure or measurement the doctor performed. In the Data Browser we refer to conditions, procedures, drugs, and measurements as domains. For example, a patient's blood sugar can be measured (measurement) during a routine medical examination (procedure). The doctor may diagnose the patient with type II diabetes (condition) and prescribe metformin (drug) to treat the condition.
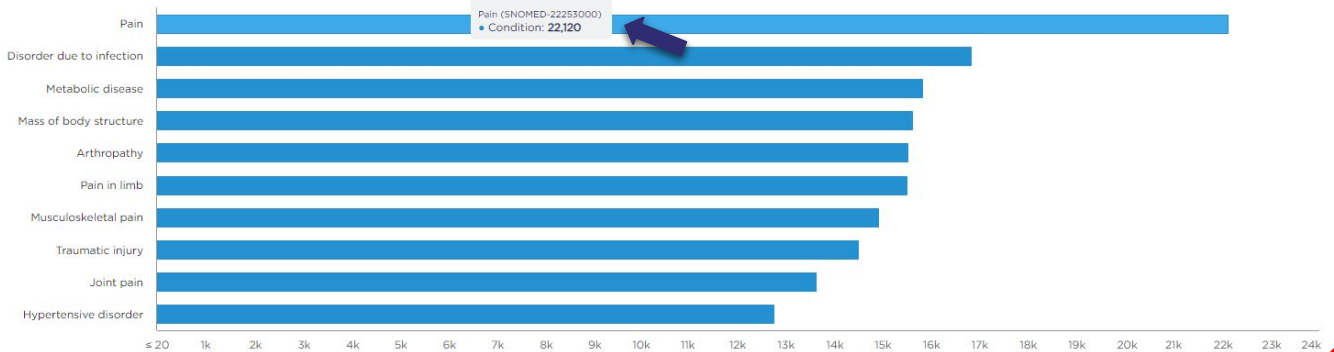
Let's explore the conditions domain (red arrow).

⑦ Help

Home > Data > Data Browser > **Conditions Domain**

Conditions

🔍 Keyword Search

< BACK TO MAIN SEARCH

Top 10 Conditions by Descending Participant Counts ⌄

Pain (SNOMED-22253000)
● Condition: 22,120

Showing top 100 concepts for this domain ⓘ

Conditions ⓘ	Participants of 36,620 ⓘ	% of 36,620 ⓘ	Vocabulary Code	Concept Code ⓘ	View graphs
1. Pain	22,120	60.4%	SNOMED	4329041	📊
Also Known As ⓘ Dolor, Painful, Pain observations, Part hurts, Pain (finding)					
2. Disorder due to infection	16,820				
Also Known As ⓘ Infective disorder, Infection, Disease due to infection, Infectious disease, Infectious disea...					
3. Metabolic disease	15,820				
Also Known As ⓘ Metabolic disorder, MD - Metabolic disorders, Metabolic disease (disorder)					
4. Mass of body structure	15,600				
Also Known As ⓘ Observation of a mass, Lump, Mass, Mass of body structure (finding)					
5. Arthropathy	15,520				
Also Known As ⓘ Disorder of joint, Joint disorder, Arthropathy (disorder), Arthrosis, Joint disease					
6. Pain in limb	15,500				
Also Known As ⓘ Pain in limb (finding), Limb pain					
7. Musculoskeletal pain	14,900				
Also Known As ⓘ Musculoskeletal pain (finding), Rheumatic pain					
8. Traumatic injury	14,500	39.6%	SNOMED 417746004	440921	📊
Also Known As ⓘ Injury - disorder, Traumatic injury (disorder), Trauma					
9. Joint pain	13,620	37.19%	SNOMED 57676002	77074	📊
Also Known As ⓘ Painful joint, Articular pain, Joint pain (finding), Arthralgia					

Top 100 Conditions
Here you can view the top 100 concepts for the conditions domain based on how many participants have been diagnosed with each particular condition. Click on "Top 10 Medical Concepts by Descending Participant Counts" (red arrow) to see a graph (red box) of the top 10 conditions and how many participants have this condition in their medical record (blue arrow) by hovering your cursor over the condition you are interested in. You can see that the most prevalent condition in the cohort is Pain, at the time this tutorial was created.
Note that there are a few terms on this page that may be new to you. Vocabulary and concept codes are used by the researchers studying these conditions.

Top 10 by Descending Participant Counts >

Showing top 1 - 50 of 20776 concepts for this domain ⓘ

Conditions ⓘ	Participants of 113,200 ⓘ	% of 113,200 ⓘ
1. Pain	89,260	78.85%

Also Known As ⓘ
Pain observations, Dolor, Part hurts, Painful, Pain (finding)

Sex Assigned at Birth ⓘ   Age ⓘ   Sources ⓘ

● Sex Assigned at Birth, Medical Concept   ● Sex Assigned at Birth, Total With EHR

2. Disorder due to infection	64,600	57.07%

Also Known As ⓘ
Infectious disease, Infective disorder, Infectious disease (disorder), Infection, Disease due to inf... See More

3. Metabolic disease	62,660	55.35%

Also Known As ⓘ
MD - Metabolic disorders, Metabolic disorder, Metabolic disease (disorder)

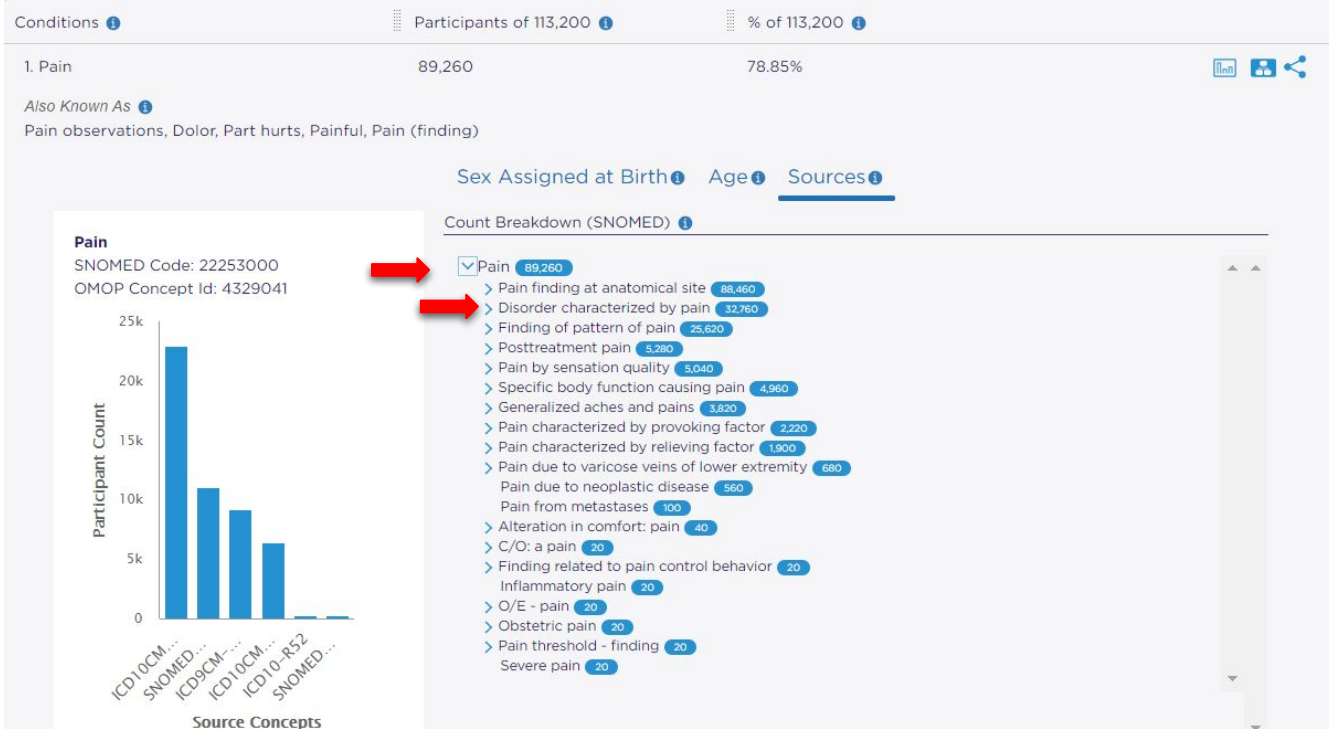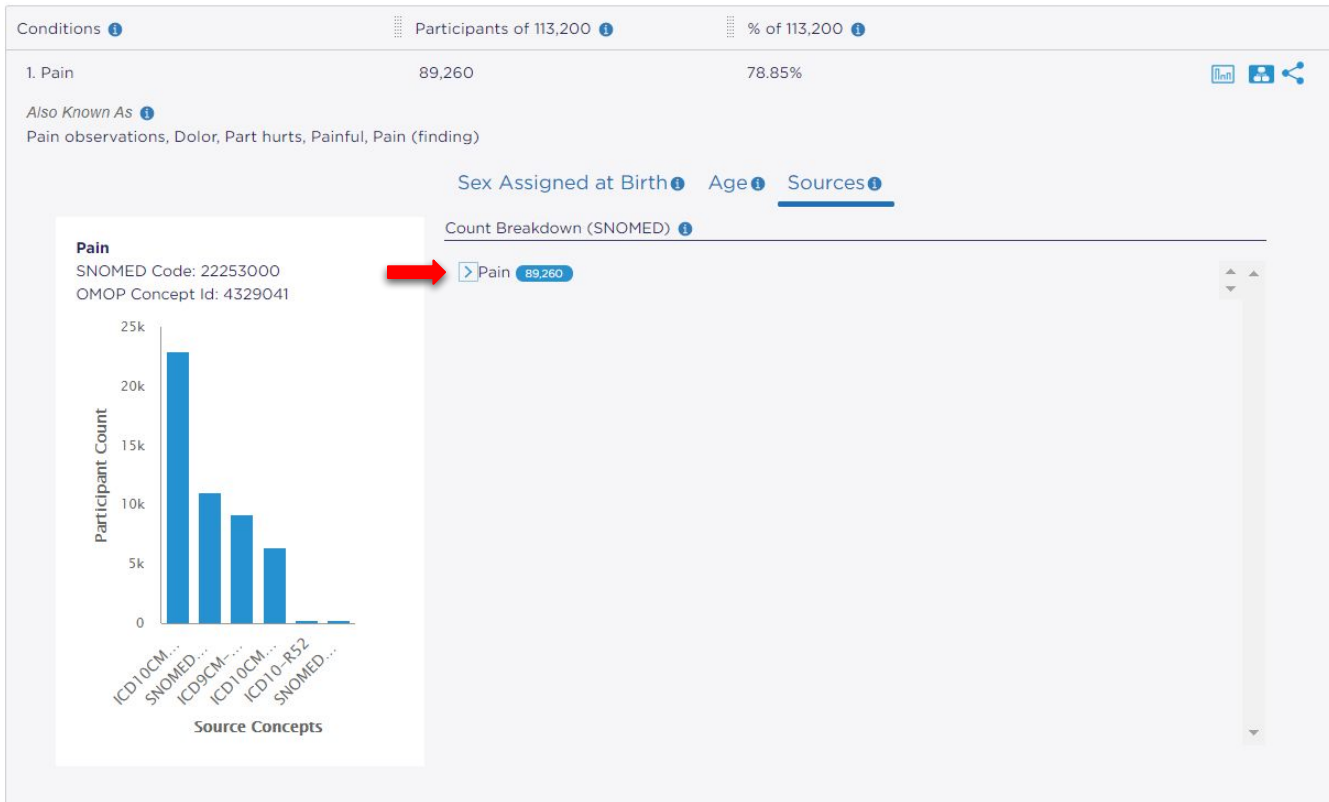| 4. Pain in limb	58,800	51.94%

Also Known As ⓘ
Limb pain, Pain in limb (finding)

Top 100 Conditions
To see more detail about each condition, click on the graph icon (red arrow) to see graphs showing how many participants of each sex assigned at birth and age (red box) have the particular condition.

Select the "Sources" tab (blue arrow) to discover more details about the condition.

Conditions ⓘ	Participants of 113,200 ⓘ	% of 113,200 ⓘ
1. Pain	89,260	78.85%

Also Known As ⓘ
Pain observations, Dolor, Part hurts, Painful, Pain (finding)

Sex Assigned at Birth ⓘ   Age ⓘ   Sources ⓘ

Count Breakdown (SNOMED) ⓘ

Pain
SNOMED Code: 22253000
OMOP Concept Id: 4329041

> Pain 89,260

Conditions ⓘ	Participants of 113,200 ⓘ	% of 113,200 ⓘ
1. Pain	89,260	78.85%

Also Known As ⓘ
Pain observations, Dolor, Part hurts, Painful, Pain (finding)

Sex Assigned at Birth ⓘ   Age ⓘ   Sources ⓘ

Count Breakdown (SNOMED) ⓘ

Pain
SNOMED Code: 22253000
OMOP Concept Id: 4329041

∨ Pain 89,260
  > Pain finding at anatomical site 88,460
  > Disorder characterized by pain 32,760
  > Finding of pattern of pain 25,620
  > Posttreatment pain 5,280
  > Pain by sensation quality 5,040
  > Specific body function causing pain 4,960
  > Generalized aches and pains 3,820
  > Pain characterized by provoking factor 2,220
  > Pain characterized by relieving factor 1,900
  > Pain due to varicose veins of lower extremity 680
    Pain due to neoplastic disease 560
    Pain from metastases 100
  > Alteration in comfort: pain 40
  > C/O: a pain 20
  > Finding related to pain control behavior 20
    Inflammatory pain 20
  > O/E - pain 20
  > Obstetric pain 20
  > Pain threshold - finding 20
    Severe pain 20

Top 100 Conditions
By clicking on the "Sources" tab, you can see more detailed information about each condition. Conditions are grouped into a hierarchy where there is a top level concept that contains more and more detailed concepts beneath it. You can open the levels by clicking each ∨ symbol (red arrows). For our example of "pain", you can see how many participants have a mention of each specific type of pain in their medical record. Some participants may have more than one type of pain, so they will be counted for more than one medical concept in the hierarchy but not more than once for the same concept. As a result, the total counts for the descendants in the hierarchy may be more than the count for the top level concept.

All of Us Research Hub | NIH National Institutes of Health

ABOUT   DATA   TOOLS   FAQ   Q

Home > Data Browser

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment, as well as electronic health record data are available. The *All of Us* Research Program data will include more data types over time.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information. For more information, please visit our FAQ page.

Search Across Data Types ⓘ

Q   Keyword Search

Data based on Curated Data Repository (CDR) dated 2/11/2020 with 225,140 total participants.

FAQs   Introductory Videos   User Guide

EHR Domains: ⓘ

Conditions ⓘ	Drug Exposures ⓘ	Labs & Measurements ⓘ	Procedures ⓘ
20,776	20,951	10,049	20,546
medical concepts	medical concepts	medical concepts	medical concepts
113,200 participants in this domain	104,500 participants in this domain	109,100 participants in this domain	102,140 participants in this domain
View Top Conditions	View Top Drug Exposures	View Top Labs & Measurements	View Top Procedures

Survey Questions:

The Basics ⓘ	Overall Health ⓘ	Lifestyle ⓘ	Personal Medical History ⓘ
16	21	26	465
questions available	questions available	questions available	questions available
225,140 participants in this domain	219,800 participants in this domain	218,500 participants in this domain	39,320 participants in this domain
This survey includes participant demographic information.	Survey includes information about how participants report levels of individual health.	Survey includes information on participant smoking, alcohol and recreational drug use.	This survey includes information about past medical history, including medical conditions and approximate age of diagnosis.
View Complete Survey	View Complete Survey	View Complete Survey	View Complete Survey

Health Care Access & Utilization ⓘ	Family Medical History ⓘ
57	67
questions available	questions available
45,820 participants in this domain	41,600 participants in this domain
Survey includes information about a participant's access to and use of health care.	Survey includes information about the medical history of a participant's immediate biological family members.
View Complete Survey	View Complete Survey

Program Physical Measurements:

Physical Measurements ⓘ
8
physical measurements
192,900 participants in this domain
Participants have the option to provide a standard set of physical measurements as part of the enrollment process ("program physical measurements").
View Program Physical Measurements

Surveys
When a participant enrolls in the *All of Us* Research Program, they complete The Basics survey. The participant may choose to complete additional surveys as they become available throughout the life of the program. You can use this tool to see all of the survey questions and their answer choices. The Data Browser shows the total number of participants that chose a specific answer choice and also shows how many participants of each sex assigned at birth and age group chose that option.

Let's explore The Basics survey (red arrow).

⑦ Help

Home > Data > Data Browser > The Basics Survey

The Basics

Survey includes participant demographic information.   *Click on each response to view branching logic and age and gender*
Note: The survey questions appear in the order in which people actually took the survey.

🔍 Keyword Search

< BACK TO MAIN SEARCH

🚩 Download Survey as PDF

104,440
Participants completed this survey

14
Questions displayed

Question 1
In what country were you born?
See Answers >

Question 2 ⓘ
Which categories d
See Answers >

Question 1
In what country were you born?
See Answers ⌄

	Concept Code ⓘ	Participant Count	% Answered	
USA	1586136	88,140	84.39%	📊
Other (Qualifier Value)	903070	14,980	14.34%	📊
Skip	903096	880	0.84%	📊
Did not answer	903070	440	0.42%	📊

Question 3
What was your biol
See Answers >

Question 4
What terms best express how you describe your gender identity?
See Answers >

Question 5
Which of the following best represents how you think of yourself?
See Answers >

Question 6
What is the highest grade or year of school you completed?
See Answers >

Question 7
Have you ever served on active duty in the United States Armed forces, either in the regular military
See Answers >

Sex Assigned at Birth   Age When Survey Was Taken ⓘ

Question 8
What is your current marital status?
See Answers >

Question 9
Are you covered by health insurance or some other kind of health care plan?
See Answers >

Question 10
What is your current employment status? Please select 1 or more of these categories.
See Answers >

Question 11
What is your annual household income from all sources?
See Answers >

Question 12
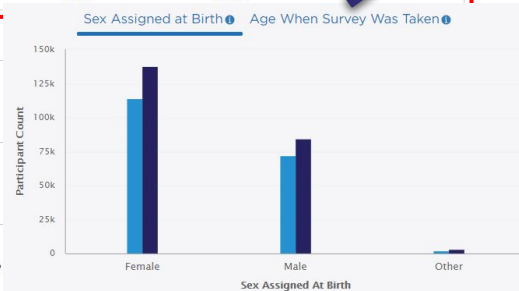Do you own or rent the place where you live?
See Answers >

Question 13
How many years have you lived at your current address?
See Answers >

Question 14
In the past 6 months, have you been worried or concerned about NOT having a place to live?
See Answers >

The Basics Survey
Here you can see the number of participants who have completed the survey (red circle). You can also download the PDF version of the survey (blue circle) to see all of the questions and answer choices.

Click on "See Answers" to see how many participants chose each answer option. If you would like to see graphs of how many participants of each sex assigned at birth and age have chosen a particular answer, click on the graph icon (blue arrow).

You will also see the concept codes that researchers use when analyzing the data again here. For example, for the question "In what country were you born?" the code is 1586135.

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment, as well as electronic health record data are available. The *All of Us* Research Program data will include more data types over time.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information. For more information, please visit our FAQ page.

Search Across Data Types ⓘ

Q Keyword Search

Data based on Curated Data Repository (CDR) dated 2/11/2020 with 225,140 total participants.

FAQs   Introductory   User Guide
        Videos

EHR Domains: ⓘ

Conditions ⓘ	Drug Exposures ⓘ	Labs & Measurements ⓘ	Procedures ⓘ
20,776	**20,951**	**10,049**	**20,546**
medical concepts	medical concepts	medical concepts	medical concepts
113,200 participants in this domain	104,500 participants in this domain	109,100 participants in this domain	102,140 participants in this domain
View Top Conditions	View Top Drug Exposures	View Top Labs & Measurements	View Top Procedures

Survey Questions:

The Basics ⓘ	Overall Health ⓘ	Lifestyle ⓘ	Personal Medical History ⓘ
16	**21**	**26**	**465**
questions available	questions available	questions available	questions available
225,140 participants in this domain	219,800 participants in this domain	218,500 participants in this domain	39,320 participants in this domain
This survey includes participant demographic information	Survey includes information about how participants report levels of individual health.	Survey includes information on participant smoking, alcohol and recreational drug use.	This survey includes information about past medical history, including medical conditions and approximate age of diagnosis
View Complete Survey	View Complete Survey	View Complete Survey	View Complete Survey

Health Care Access & Utilization ⓘ	Family Medical History ⓘ
57	**67**
questions available	questions available
45,820 participants in this domain	41,600 participants in this domain
Survey includes information about a participant's access to and use of health care.	Survey includes information about the medical history of a participant's immediate biological family members.
View Complete Survey	View Complete Survey

Program Physical Measurements:

Physical Measurements ⓘ

8

physical measurements

192,900 participants in this domain

Participants have the option to provide a standard set of physical measurements as part of the enrollment process ("program physical measurements").

View Program Physical Measurements

Program Physical Measurements
Participants that enroll in the *All of Us* Research Program may be asked to provide a standard set of physical measurements, including height, weight, body mass index, and waist circumference. The Data Browser allows you to see how many people of each sex assigned at birth or age group had a specific measurement value.

Let's explore the Program Physical Measurements (red arrow).

Home > Data > Data Browser > **Physical Measurements**

Browse Program Physical Measurements

MEAN BLOOD PRESSURE
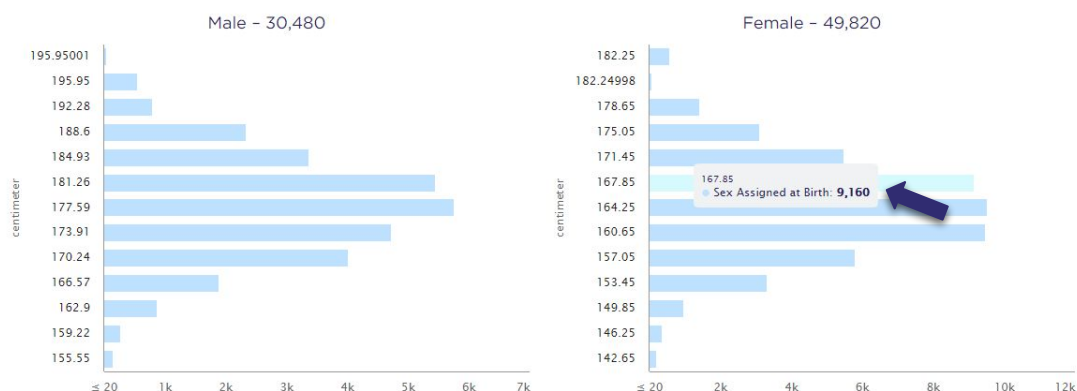
HEIGHT

WEIGHT

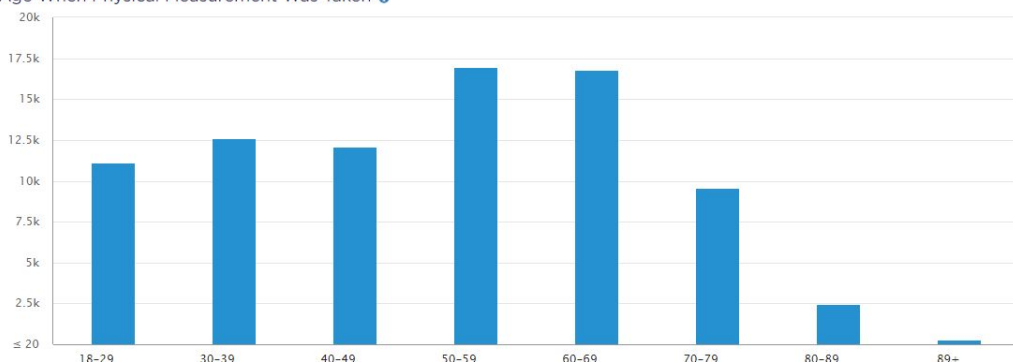MEAN WAIST CIRCUMFERENCE

MEAN HIP CIRCUMFERENCE

MEAN HEART RATE

WHEEL CHAIR USE

PREGNANCY

Height

Male – 30,480

centimeter
195.95001
195.95
192.28
188.6
184.93
181.26
177.59
173.91
170.24
166.57
162.9
159.22
155.55

≤ 20   1k   2k   3k   4k   5k   6k   7k

Female – 49,820

centimeter
182.25
182.24998
178.65
175.05
171.45
167.85
164.25
160.65
157.05
153.45
149.85
146.25
142.65

167.85
● Sex Assigned at Birth: **9,160**

≤ 20   2k   4k   6k   8k   10k   12k

Age When Physical Measurement Was Taken ⓘ

20k
17.5k
15k
12.5k
10k
7.5k
5k
2.5k
≤ 20

18–29   30–39   40–49   50–59   60–69   70–79   80–89   89+

Program Physical Measurements: Height
Here you can see the number of male and female participants who are a specific height (measured in centimeters) by placing your mouse over the corresponding bar (blue arrows) or the age that the measurement was taken (lower graph). Height in centimeters is located along the horizontal (x) axis and the number of participants is located along the vertical (y) axis.

Select other physical measurements (red arrows) to see the same types of details about those measurements.

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment, as well as electronic health record data are available. The *All of Us* Research Program data will include more data types over time.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information. For more information, please visit our FAQ page.

Search Across Data Types ℹ

Q Keyword Search

Data based on Curated Data Repository (CDR) dated 2/11/2020 with 225,140 total participants.

FAQs   Introductory Videos   User Guide

Keyword Search
Enter a keyword to search for all of the data about that keyword.

Let's search the term "hypertension."

EHR Domains: ℹ

Conditions ℹ
20,776
medical concepts
113,200 participants in this domain
View Top Conditions

Drug Exposures ℹ
20,951
medical concepts
104,500 participants in this domain
View Top Drug Exposures

Labs & Measurement
10,049
medical concepts
109,100 participants
View Top Labs & Me

Survey Questions:

The Basics ℹ
16
questions available
225,140 participants in this domain
This survey includes participant demographic information.
View Complete Survey

Overall Health ℹ
21
questions available
219,800 participants in this domain
Survey includes information about how participants report levels of individual health.
View Complete Survey

Lifestyle ℹ
26
questions available
218,500 participants in this domain
Survey includes information on participant smoking, alcohol and recreational drug use.
View Complete Survey

Personal Medical History ℹ
465
questions available
39,320 participants in this domain
This survey includes information about past medical history, including medical conditions and approximate age of diagnosis.
View Complete Survey

Health Care Access & Utilization ℹ
57
questions available
45,820 participants in this domain
Survey includes information about a participant's access to and use of health care.
View Complete Survey

Family Medical History ℹ
67
questions available
41,600 participants in this domain
Survey includes information about the medical history of a participant's immediate biological family members.
View Complete Survey

Program Physical Measurements:

Physical Measurements ℹ
8
physical measurements
192,900 participants in this domain
Participants have the option to provide a standard set of physical measurements as part of the enrollment process ("program physical measurements").
View Program Physical Measurements

Home > Data > Data Browser

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment ("program physical measurements"), as well as electronic health record (EHR) data are available. The *All of Us* Research Program data resource will grow to include more data types over time.

There may be a delay of several months between the time participants consent and the time their record is included in the *All of Us* data that is visible in the Data Browser. The delay is a result of the time it takes for participant data to be collected, transferred to the Data and Research Center and curated. As a result, the overall participant counts within the Data Browser are lower than the overall enrollment numbers for the program.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information for medical concepts, survey responses and physical measurements.

Search Across Data Types ●

🔍 hypertension

Data based on Curated Data Repository (CDR) dated 11/13/2018 with 116,460 total participants.

FAQs   Introductory Videos   User Guide

EHR Domains: ●

Conditions●
64
matching medical concepts
36,620 participants in this domain
View Results

Procedures●
1
matching medical concepts
35,680 participants in this domain
View Results

Keyword Search: Hypertension
There are 64 conditions and 1 procedure that match our search of hypertension.
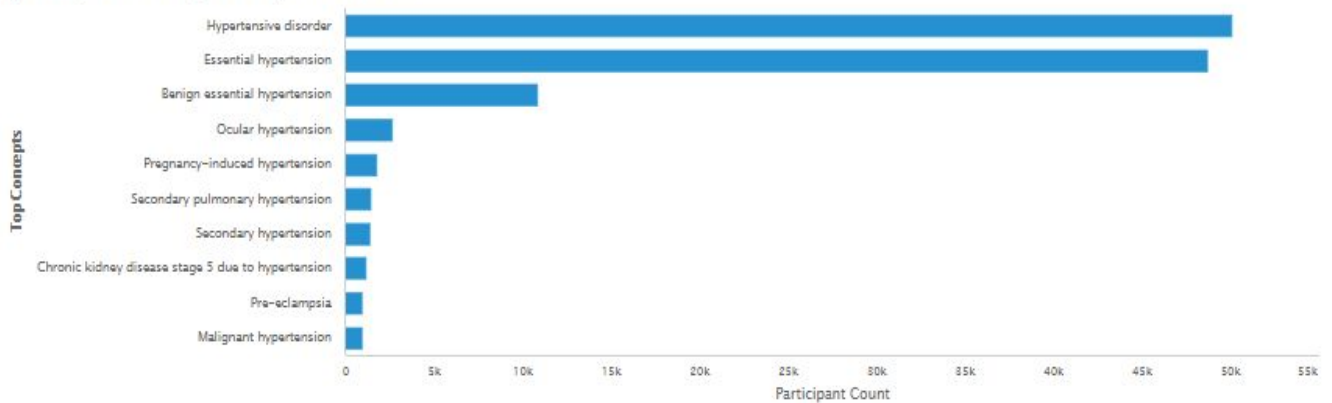Click on view results (red arrow) to see more information.

Survey Questions:

No Survey Results.

Program Physical Measurements:

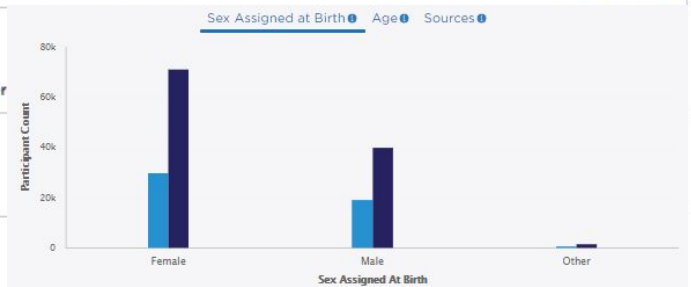No Program Physical Measurement Results.

Top 10 by Descending Participant Counts ⌄

Showing top 1 - 50 of 81 matching medical concepts ⓘ

Interested in general health information related to "hypertension"?
Search MedlinePlus

Conditions ⓘ	Participants of 113,200 ⓘ	% of 113,200 ⓘ	
1. Hypertensive disorder	50,080	44.24%	📊 👥 ⮜
Also Known As ⓘ			
Hypertension, BP - High blood pressure, HBP - High blood pressure, Hypertensive vascular degeneratio... See More			
2. Essential **hypertension**	48,700		Sex Assigned at Birth ⓘ Age ⓘ Sources ⓘ
Also Known As ⓘ			
Systemic primary arterial **hypertension**, Essential **hypertension** (disorder), Idiopathic hyper			
3. Benign essential **hypertension**	10,840		
Also Known As ⓘ			
Benign essential **hypertension** (disorder)			
4. Ocular **hypertension**	2,640		
Also Known As ⓘ			
OHT - Ocular **hypertension**, Ocular **hypertension** (disorder), OH - Ocular **hypertension**			
5. Pregnancy-induced **hypertension**	1,740	1.54%	📊 👥 ⮜
Also Known As ⓘ			
PIH - Pregnancy-induced **hypertension**, Gestational **hypertension**, Pregnancy-induced **hypertension** (diso... See More			
6. Secondary pulmonary **hypertension**	1,420	1.25%	📊 👥 ⮜
Also Known As ⓘ			
Secondary pulmonary **hypertension** (disorder)			
7. Secondary **hypertension**			📊 👥 ⮜
Also Known As ⓘ			
Secondary **hypertension** (disorder)			

Keyword Search: Hypertension

There are 64 different medical concepts that matched our keyword search of hypertension! You can see the number of participants that have the condition appear in there medical record at least one time (red circle). It is common for each condition to be known by other names or terms which you can find by looking in the "Also Known As" section (blue circle).

The Vocabulary Code and Concept Code columns are a reference for researchers. As in the previous searches, you can click the graph icon to see more information about the condition (red arrow).

ABOUT   DATA   FAQ   🔍

Data Browser

The Data Browser provides interactive views of the publicly available *All of Us* Research Program participant data. Currently, participant provided information, including surveys and physical measurements taken at the time of participant enrollment ("program physical measurements"), as well as electronic health record (EHR) data are available. The *All of Us* Research Program data resource will grow to include more data types over time.

There may be a delay of several months between the time participants consent and the time their record is included in the *All of Us* data that is visible in the Data Browser. The delay is a result of the time it takes for participant data to be collected, transferred to the Data and Research Center and curated. As a result, the overall participant counts within the Data Browser are lower than the overall enrollment numbers for the program.

In order to protect participant privacy, the data is limited to aggregate counts and summary demographic information for medical concepts, survey responses and physical measurements.

Search Across Data Types ⓘ

🔍 Keyword Search

Data based on Curated Data Repository (CDR) dated 11/13/2018 with 116,460 total participants.

EHR Domains

Contact us —	

Please select your issue

Ask a question or report an issue.

Share your feedback.

Tell us about a recent publication.

Request additional billing credits.

Report a data privacy concern.

zendesk

FAQs   Introductory Videos   User Guide

Conditions ⓘ	Measurements ⓘ	Procedures ⓘ
15,679 medical concepts	7,735 medical concepts	13,238 medical concepts
36,620 participar	32,920 participants in this domain	35,680 participants in this domain
View Top 100	View Top 100	View Top 100

② Help

Help Desk
The research support team at the Data and Research Center has provided FAQs, introductory videos, and this user guide as resources to help you use the Data Browser.

If you need additional help or have suggestions for improvements, please visit the Help Desk by clicking on the Help button at the bottom of each page (red circle) and fill out the "Contact us" form to provide your feedback.

Explore the
Data Browser

You've completed the tutorial of how to use the Data Browser to explore *All of Us* participant data. Please explore the data and check back often to see how the cohort continues to grow and change!