



How to Use the Data Browser

The Data Browser is an interactive tool that allows you to learn more about 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.

Data Browser

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In order to protect participant privacy, the data are de-identified, limited to aggregate counts rounded up to counts of 20, and summary demographic information. For more information, please visit our [FAQ](#) page.

Please read the public data use statement available below for additional information about our unique dataset and how to acknowledge the *All of Us* Research Program in any presentations or publications.

[PUBLIC DATA USE STATEMENT](#)

Search Across Data Types

Q Keyword Search

Data includes 225,140 participants and is current as of 2/11/2020.



FAQs



Introductory
Videos



User Guide

EHR Domains:

Conditions

20,776

medical concepts

113,200 participants in this domain

[View Top Conditions](#)

Drug Exposures

20,951

medical concepts

104,500 participants in this domain

[View Top Drug Exposures](#)

Labs & Measurements

10,049

medical concepts

109,300 participants in this domain

[View Top Labs & Measurements](#)

Procedures

20,546

medical concepts

102,140 participants in this domain

[View Top Procedures](#)

Survey Questions:

The Basics

16

questions available

225,140 participants in this domain

[This survey includes participant](#)

Overall Health

21

questions available

219,800 participants in this domain

[Survey includes participant](#)

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.

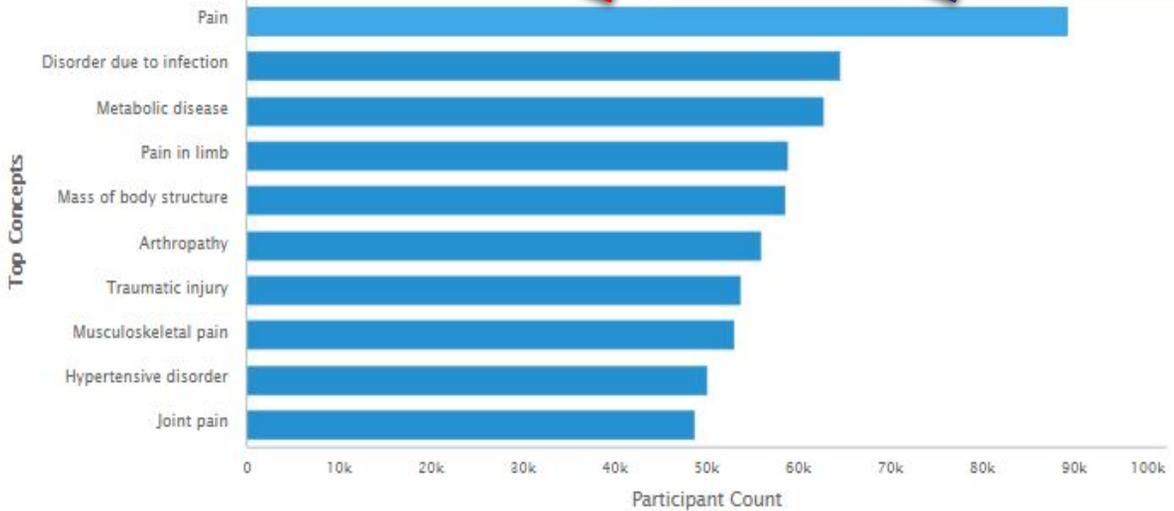
Let's explore the conditions domain (red arrow).

[Help](#)

DATA DISCLAIMER

Top 10 by Descending Participant Counts ▾

Pain (SNOMED-22253000)
Participant Count: 89260



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

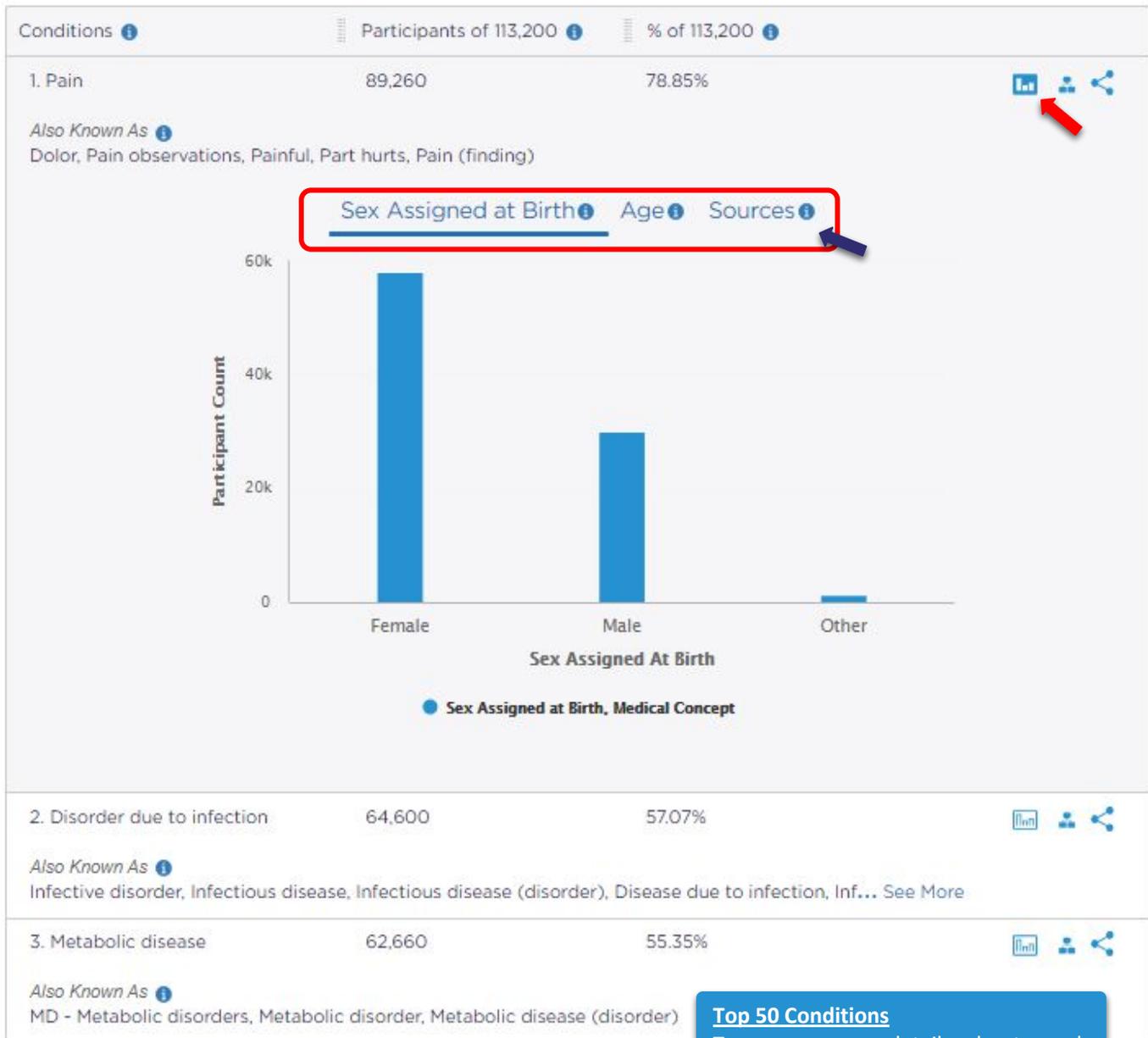
Conditions ⓘ	Participants of 113,200 ⓘ	% of 113,200 ⓘ	
1. Pain	89,260	78.85%	  
<i>Also Known As</i> ⓘ Dolor, Pain observations, Painful, Part hurts, Pain (finding)			
2. Disorder due to infection	64,600		
<i>Also Known As</i> ⓘ Infective disorder, Infectious disease, Infectious disease (disorder), Dis			
3. Metabolic disease	62,660		
<i>Also Known As</i> ⓘ MD - Metabolic disorders, Metabolic disorder, Metabolic disease (disor			
4. Pain in limb	58,800		

Top 50 Conditions

Here you can view the top 50 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.

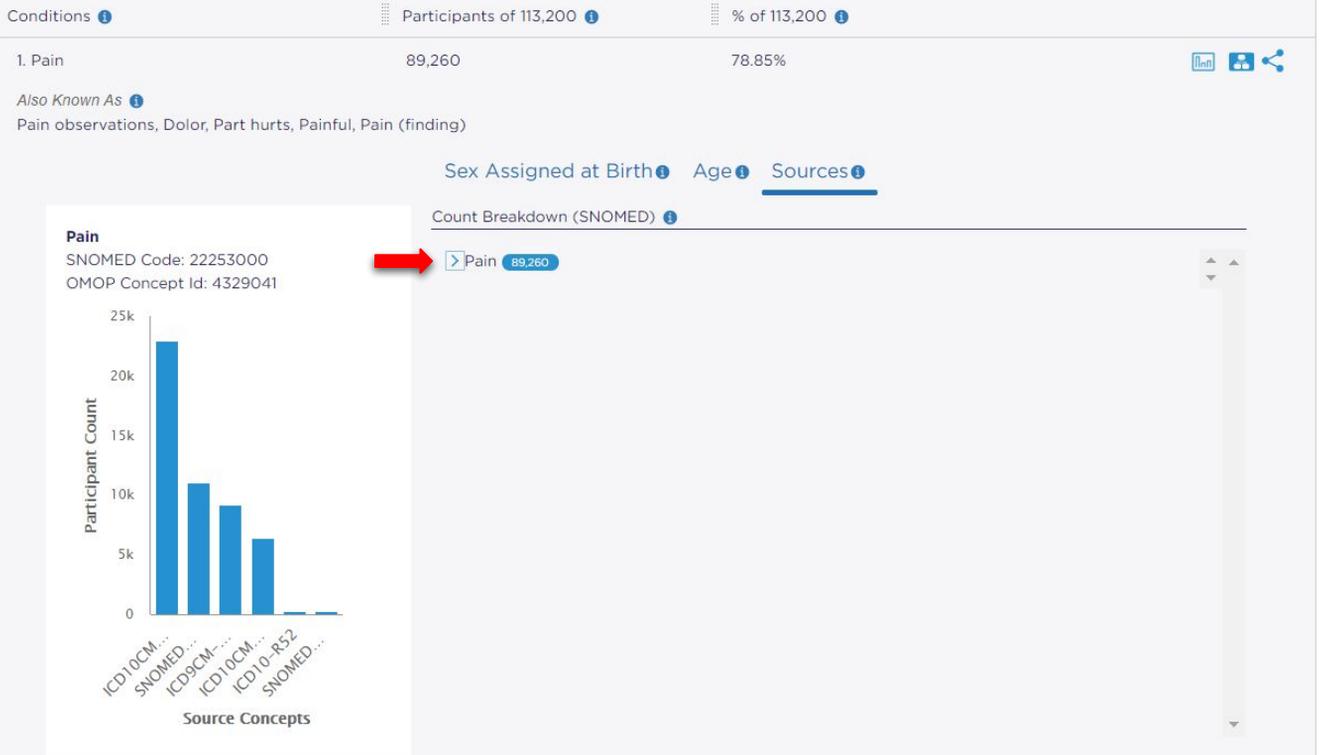
Showing top 1 - 50 of 20776 concepts for this domain ⓘ



Top 50 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.



Top 50 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 detailed concepts within it (also known as “descendants” of the top level concept). You can open the levels by clicking each **∨** symbol (red arrows). For our example using “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.

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questions available

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This survey includes participant demographic information.

[View Complete Survey](#)

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questions available

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Survey includes information about how participants report levels of individual health.

[View Complete Survey](#)

Lifestyle

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

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

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

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](#)

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).

Home > Data Browser > The Basics Survey

The Basics

This survey includes participant demographic information. Survey questions appear in the order in which participants took the survey.

Note: The data on this page are:

- Gathered directly from participants through electronic surveys
- Grouped into bins of 20 to protect privacy

For more information about this survey, please visit the Survey Explorer

[< BACK TO MAIN SEARCH](#)

225,140
Participants completed this survey

16
Questions Available

[Download Survey as PDF](#)

Question 1
In what country were you born?

[See Answers >](#)

Question 2
Which categories describe you best?

[See Answers >](#)

Question 3
What was your biological sex assigned at birth?

[See Answers >](#)

Question 4
What terms best express how you think of yourself?

[See Answers >](#)

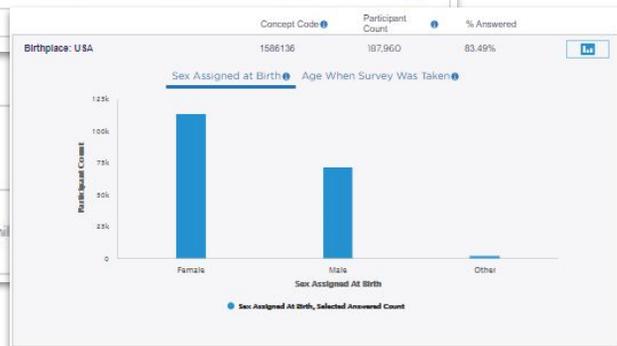
Question 5
Which of the following best represents how you think of yourself?

[See Answers >](#)

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

[See Answers >](#)

Concept Code	Participant Count	% Answered	
Birthplace: USA	1586136	187,960	83.49%
Other	903070	34,780	15.45%
Skip	903096	2,440	1.06%
Did not answer			



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" (red arrow) 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.

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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).

Browse Program Physical Measurements

MEAN BLOOD PRESSURE

HEIGHT

WEIGHT

MEAN WAIST CIRCUMFERENCE...

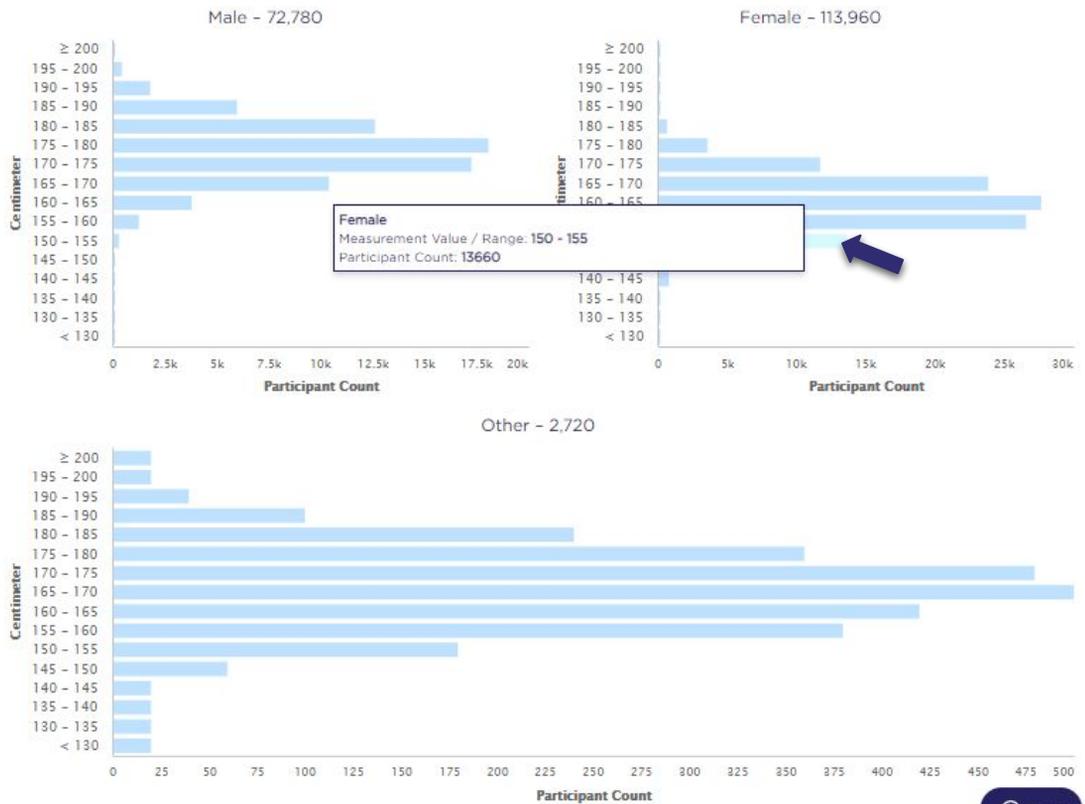
MEAN HIP CIRCUMFERENCE

MEAN HEART RATE

WHEEL CHAIR USE

PREGNANCY

Height



Help

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.

[Home](#) > [Data Browser](#)

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Conditions **20,776**

medical concepts

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medical concepts

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medical concepts

109,100 participants in this domain[View Top Labs & Meas](#)

[Keyword Search](#)

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

Let's search the term "hypertension."

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Search Across Data Types

hypertension

Data includes 225,340 participants and is current as of 2/11/2020.



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EHR Domains:

Conditions

81

matching medical concepts

113,200 participants in this domain

[View Results](#)



Procedures

3

matching medical concepts

102,340 participants in this domain

[View Results](#)

Keyword Search: Hypertension

There are 81 conditions and 3 procedures that match our search of hypertension. Click on view results (red arrow) to see more information.

Survey Questions:

Personal Medical History

1

matching survey questions

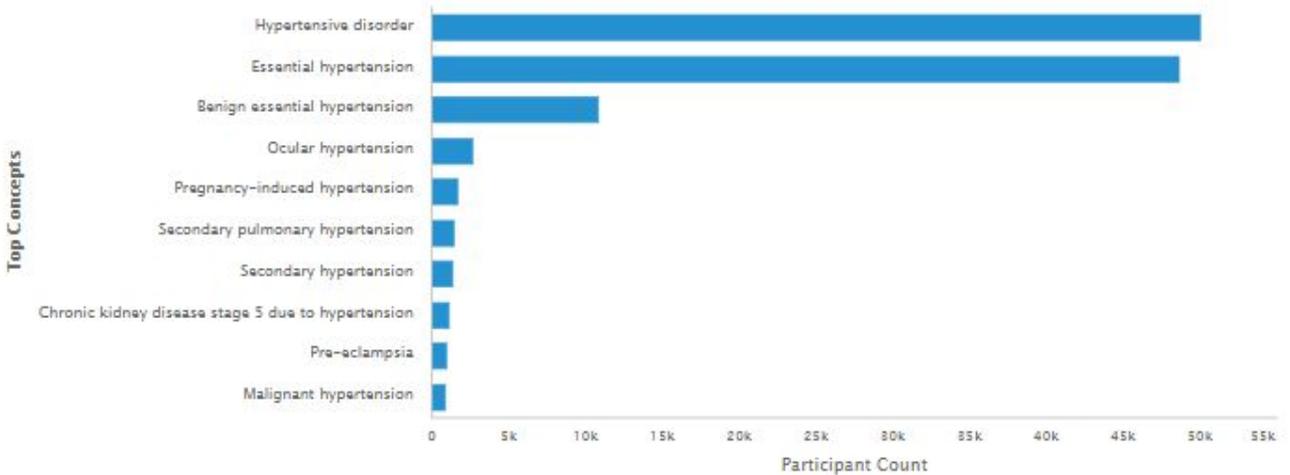
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[View Results](#)

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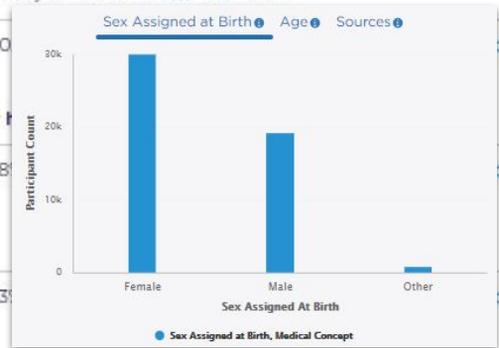
Top 10 by Descending Participant Counts



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 <i>Also Known As</i> Hypertension, BP - High blood pressure, HTN - Hypertension , Hypertensive disorder, systemic arterial... See More	50,080	44.24%	  
2. Essential hypertension <i>Also Known As</i> Systemic primary arterial hypertension, Essential hypertension (disorder), Primary	48,700	43.0%	
3. Benign essential hypertension <i>Also Known As</i> Benign essential hypertension (disorder)	10,840	9.58%	
4. Ocular hypertension <i>Also Known As</i> OHT - Ocular hypertension, Ocular hypertension (disorder), OH - Ocular hypertension	2,640	2.33%	



Keyword Search: Hypertension
There are 81 different medical concepts that matched our keyword search of hypertension! You can see the number of participants that have the condition appear in their 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).

Home > Data Browser

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Contact us

Please select your issue

Ask a question or report an issue.

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Tell us about a recent publication.

Request additional billing credits.

Report a data privacy concern.

zendesk

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!