

American Heart Association

Precision Medicine Platform

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American
Heart
Association®

How does a research focused cloud platform move your organization forward?

- Align researchers with technology that NIH and many non-profit organizations are already using
- **Every day there is a significant increase in the % of researchers moving to this approach.**
- Educates and trains all researchers in cloud-based workspaces which strengthens their future in the research funding ecosystem.
- Provides innovation for potential donors to fund research and tools that level the playing field to provide state-of-the art analysis tools and data to all:
 - Historically black colleges and universities
 - Rural areas
 - Small colleges and universities

Every day, the % of researchers using workspaces increases.

AHA Precision Medicine Platform

ACCELERATE SOLUTIONS

The American Heart Association Precision Medicine Platform is a cloud-based data resource that revolutionizes how the research community accelerates solutions for cardiovascular diseases and stroke.

REGISTER NOW

Register at precision.heart.org

Cloud-Based Solution

Search Diverse Datasets

Analyze the Data

Collaborate in Real-Time

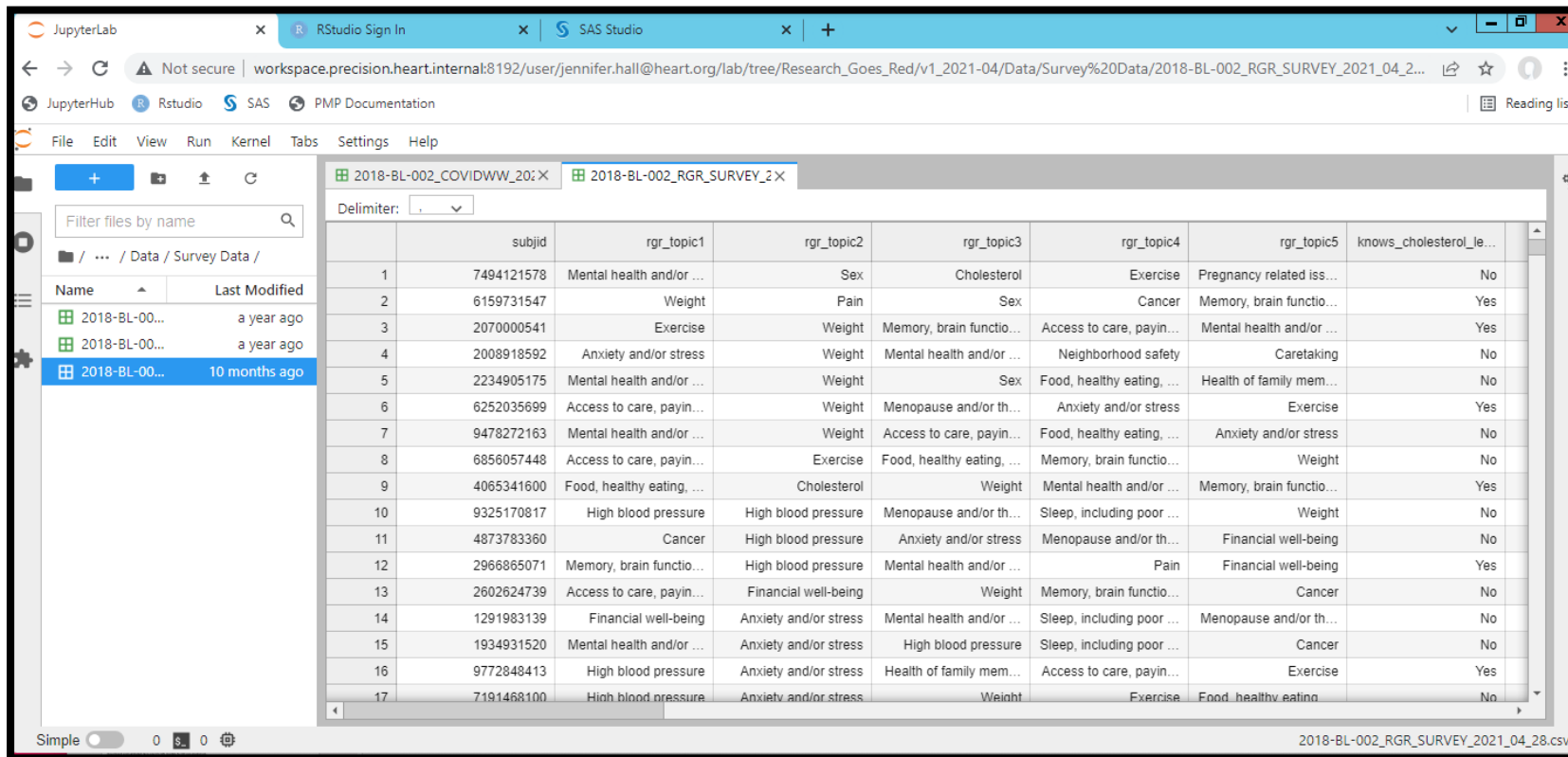


Researchers using the Precision Medicine Platform today

- AHA Grantee Research Projects (90 grantees to date with > 500 publications in high impact journals including JAMA, Nature, Nature Med)
- Get With The Guidelines Registry Research (> 30 investigators to date)
- Data Challenges
 - COVID-19 CVD in 2020 - 50 participants
 - Heart Failure in 2021 – 39 participants
- Researchers Collaborating with AHA and NIH, Verily, Gates Ventures, and many more

Demo

Workspaces and Data Marketplace



	subjid	rgr_topic1	rgr_topic2	rgr_topic3	rgr_topic4	rgr_topic5	knows_cholesterol_le...
1	7494121578	Mental health and/or ...	Sex	Cholesterol	Exercise	Pregnancy related iss...	No
2	6159731547	Weight	Pain	Sex	Cancer	Memory, brain functio...	Yes
3	2070000541	Exercise	Weight	Memory, brain functio...	Access to care, payin...	Mental health and/or ...	Yes
4	2008918592	Anxiety and/or stress	Weight	Mental health and/or ...	Neighborhood safety	Caretaking	No
5	2234905175	Mental health and/or ...	Weight	Sex	Food, healthy eating, ...	Health of family mem...	No
6	6252035699	Access to care, payin...	Weight	Menopause and/or th...	Anxiety and/or stress	Exercise	Yes
7	9478272163	Mental health and/or ...	Weight	Access to care, payin...	Food, healthy eating, ...	Anxiety and/or stress	No
8	6856057448	Access to care, payin...	Exercise	Food, healthy eating, ...	Memory, brain functio...	Weight	No
9	4065341600	Food, healthy eating, ...	Cholesterol	Weight	Mental health and/or ...	Memory, brain functio...	Yes
10	9325170817	High blood pressure	High blood pressure	Menopause and/or th...	Sleep, including poor ...	Weight	No
11	4873783360	Cancer	High blood pressure	Anxiety and/or stress	Menopause and/or th...	Financial well-being	No
12	2966865071	Memory, brain functio...	High blood pressure	Mental health and/or ...	Pain	Financial well-being	Yes
13	2602624739	Access to care, payin...	Financial well-being	Weight	Memory, brain functio...	Cancer	No
14	1291983139	Financial well-being	Anxiety and/or stress	Mental health and/or ...	Sleep, including poor ...	Menopause and/or th...	No
15	1934931520	Mental health and/or ...	Anxiety and/or stress	High blood pressure	Sleep, including poor ...	Cancer	No
16	9772848413	High blood pressure	Anxiety and/or stress	Health of family mem...	Access to care, payin...	Exercise	Yes
17	7191468100	High blood pressure	Anxiety and/or stress	Weight	Exercise	Food, healthy eating	No

Type	Dataset ↑	Dataset Information
<input checked="" type="checkbox"/>	AHA_COVID19_CVD	SourceLink
<input type="checkbox"/>	AHA_Get_With_The_Guidelines_Coronary_Artery_Diseases	SourceLink
<input type="checkbox"/>	AHA_Get_With_The_Guidelines_Heart_Failure	SourceLink
<input type="checkbox"/>	AHA_Get_With_The_Guidelines_Stroke	SourceLink
<input type="checkbox"/>	Nashville_Biosciences_BioVU_Electronic_Medical_Records_and_Geno...	SourceLink
<input type="checkbox"/>	Research_Goes_Red	SourceLink
<input type="checkbox"/>	UK_Biobank_GWAS_337000_individuals_>2000_phenotypes_Dr_Ben_N...	SourceLink
<input type="checkbox"/>	Vanderbilt_PheWAS	SourceLink

[Request Data Access](#)



Press

Coffee Drinking Tied to Lower Risk of Heart Failure

Cardiology today

+ Source/Disclosures

March 20, 2021 | 1 min read

AHA, ABC announce data challenge to assess social determinants of health, HF relationship



American Heart Association

May 25 · 🌐

Thank you Mark Zuckerberg for highlighting the powerful impact AI is having on diagnostic accuracy in this compelling initial study on congenital heart disease. Exciting to see [American Heart Association's Precision Medicine Platform](#) used as the data analysis engine! Link to study in [Nature Medicine](#) <https://www.nature.com/articles/s41591-021-0>

- Nancy Brown, CEO American Heart Association



Mark Zuckerberg

May 23 · 🌐

Interesting breakthrough: Biohub scientists developed an AI to congenital heart disease in second trimester ultrasounds that approaches today are as low as ~30% for detecting fetal heart fast enough to integrate widely into ultrasound software in clinic. Arnaout and her team on this progress!

👍❤️ 101

Precision Medicine Platform accelerates data sharing and collaboration in scientific research

Research Opportunities utilizing data from the AHA COVID-19 CVD Registry

Cardiologists earn AHA award for COVID-19 CVD Registry

Special Offer for HRA Members

Free trial of the PMP



- AHA will provide the following for each HRA member organization that is interested at no charge:
 - Up to 10 cloud-enabled workspaces for up to 1 year on the Precision Medicine Platform
 - Training and education
 - Onboarding
 - Office hours w/ the AHA data science team



Benefits of the PMP & this free trial

- Understand if a service / platform like this would be useful for your researchers and organization at no cost
- Offer secure and private workspaces to researchers / grantees for their projects
- Take advantage of the AHA Data Science team for assistance with utilizing the tools we provide, how to load data and build analyses, etc.

Next steps to redeem this offer

- Register for an account on the PMP 
- Contact Holly at pmp@heart.org to confirm your interest in the free trial and receive the offer code you will need when requesting a workspace.
- Once you are logged in, Request a workspace
 - Go to Data – Search
 - Scroll to the bottom and click on 
 - Fill out the request form, and within the Research Purpose field include the offer code you received.
- Once your request is approved and the workspace provisioned (1-2 business days), you are ready to get started!
 - Upload your own data and play around with the analysis tools
 - Share your workspace with colleagues and collaborate
 - Provide steps to register and request a workspace to your researchers



Questions?

- Contact us pmp@heart.org with any questions
- Visit our website at <https://precision.heart.org/>

Thank you!