User Guide (release version 2)

This document details how to use the Precision Aging Network database pandb.org through data download to a .csv file. Data are stored in data tables, all coming from Projects and Cores, with many coming from different groups and labs with Project and Cores. If you have any questions or issues with the database, please email help@pandb.org. Someone will respond within 24 hours on a business day.

We describe the database functionality in four broad steps:

1. Merging (also called “joining”) data tables, as an exemplar we show how to combine three data tables: Healthy Minds for Life (HML, Project 2) Demographics data + AD Plasma Biomarkers (from Core G, Moghekar Lab) + Upper Extremity Frailty Assessment (UEF Frailty, from Core F, Najafi Lab). The HML ID is the primary ID that is used to index all of these data tables.

2. Select variables from the combined dataset that you wish to use. First, we show how to view the data dictionary and then how to select from the variables that are included in each data table. For this example, we will select the variables below

Data Table	Variables
HML Demographics	Hml Id, Site, Sex, Age
AD Plasma Biomarkers	Abeta_40, Abeta_42, Ab42_40, Gfap, Nf Light, Ptau 181
UEF Frailty	Dt Fi, St Fi

3. Keep a permanent link for future reference, this will allow you to modify your dataset in the future, either to add variables, or update your dataset when new data are released (every six months).

4. Download a .csv file that you can use for any statistical program you wish to use.

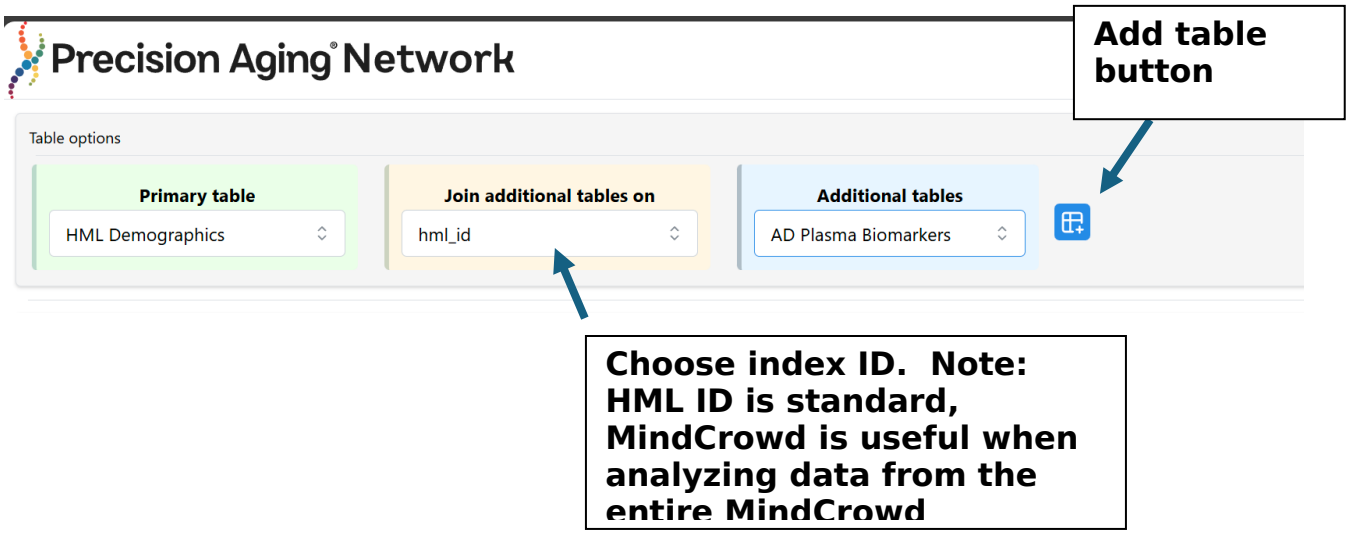
Section 1: Select and Merge 3 Data Tables

Step 1: Scroll through tables and find the HML Demographics table

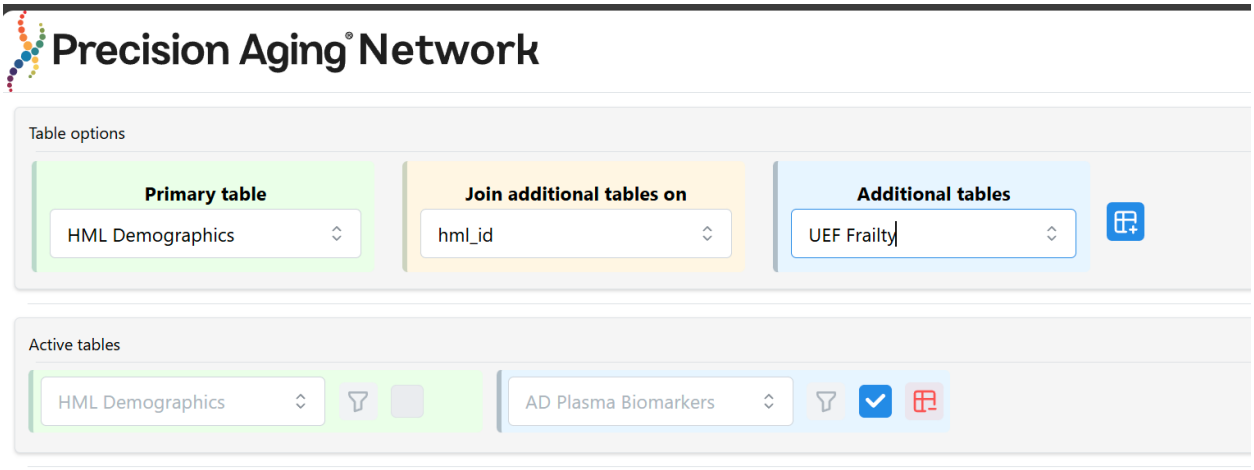
Step 2: Choose HML ID as the index used to merge the data tables

Step 3: Scroll through tables and find AD Plasma Biomarkers table

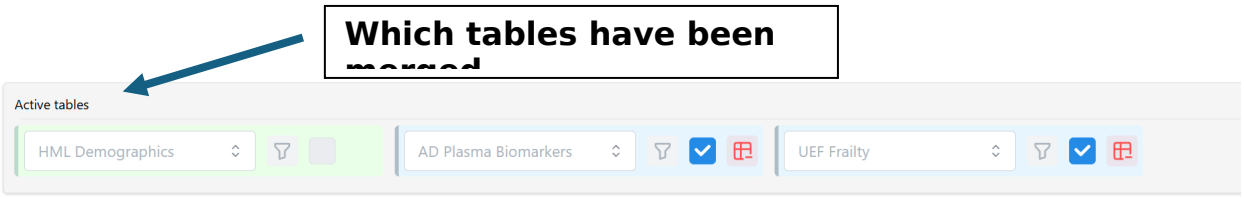
Step 4: Hit blue “add table” button



Step 5: Add UEF Frailty table in the same manner as steps 3 and 4

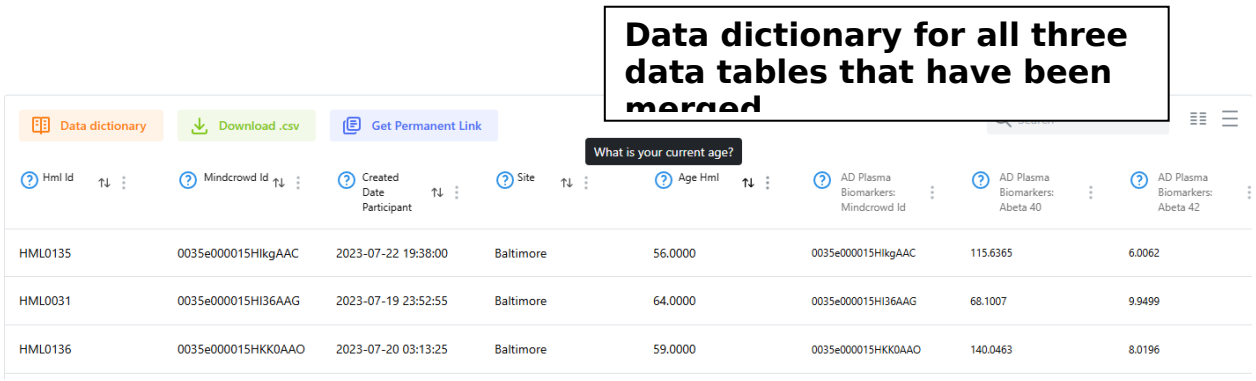


After completing these steps button you will have 3 data tables chosen for your dataset

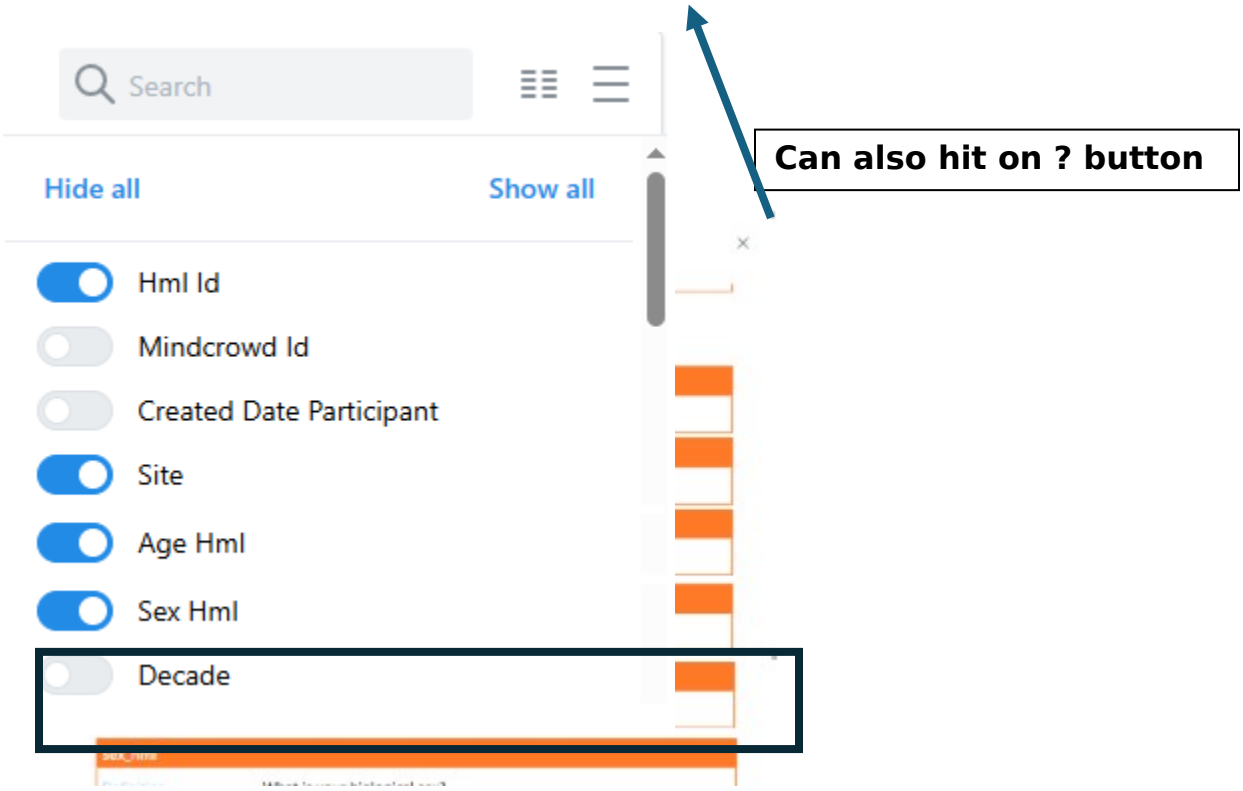


Section 2: Select which variables to keep for your dataset

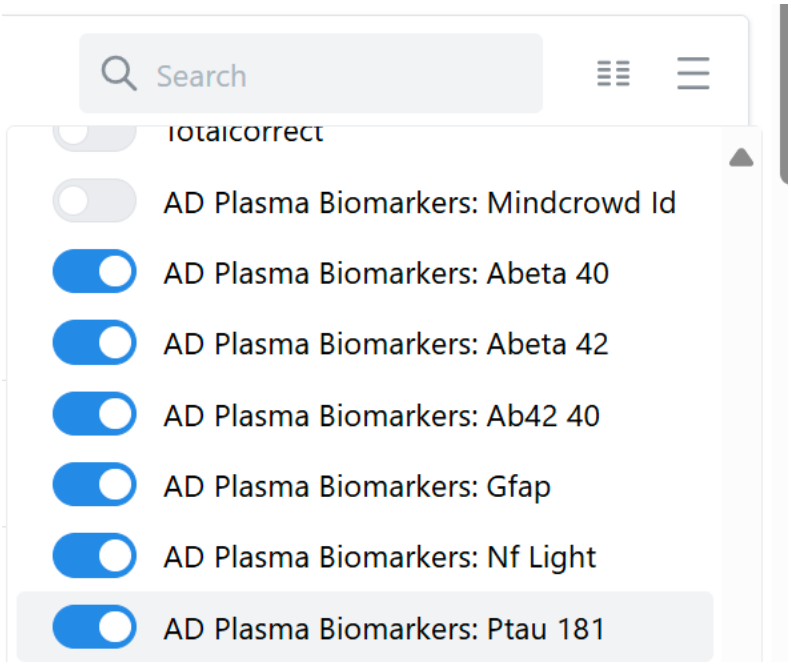
Step 1: Look at data dictionary for the tables you have joined by hitting on the data dictionary button



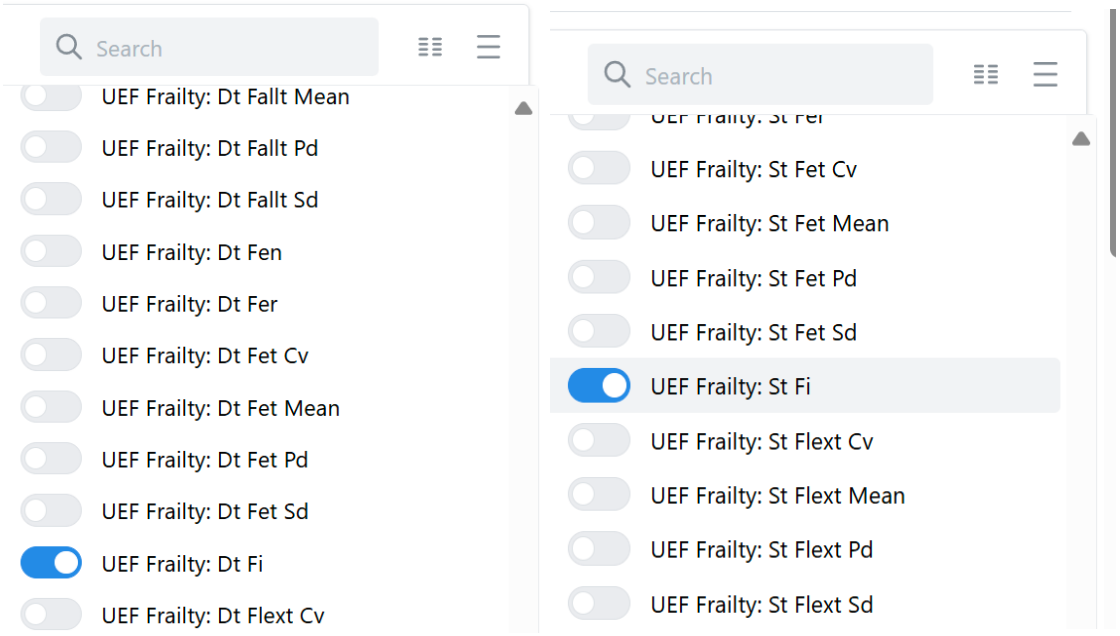
Select variables from HML Demographics data table



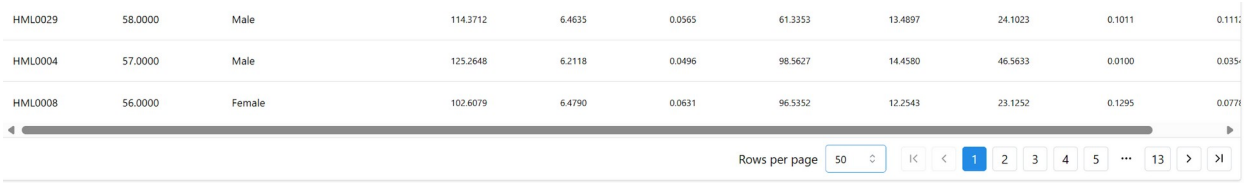
Select variables from the AD Plasma Biomarkers data table



Select variables from the UEF Frailty data table

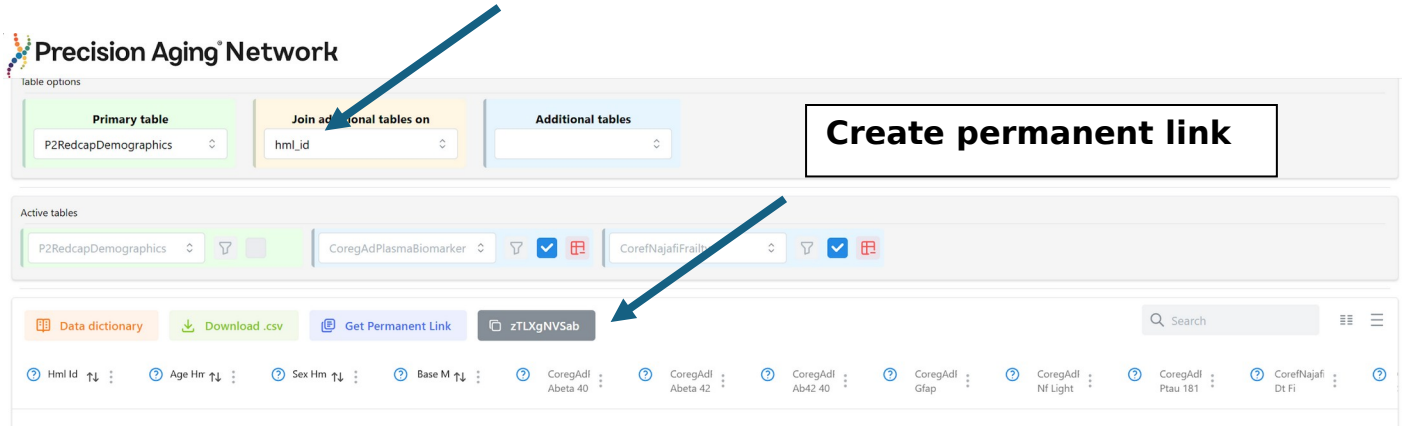


You now have a combined dataset that only has the selected variables from each of the three data tables. You can look at the columns and the first set of rows using the buttons at the bottom of the table or if you have a touchscreen computer/monitor you can use the on screen-swipe.

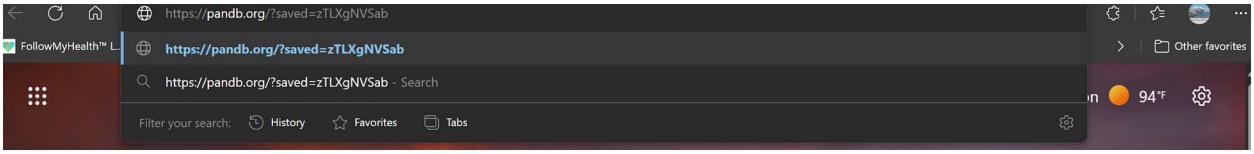


Section 3: Keep a permanent link for future reference

Cut-and-paste this link somewhere so that in the future you can just paste this into your browser and pull up the same table. You can, in the future, get additional variables from these three tables or even add new tables!



What the browser looks like when you paste the identifier



Section 4: Download dataset