



Data Collection Worksheet

Please Note: The Data Collection Worksheet (DCW) is a tool to aid integration of a PhenX protocol into a study. The PhenX DCW is not designed to be a data collection instrument. Investigators will need to decide the best way to collect data for the PhenX protocol in their study. Variables captured in the DCW, along with variable names and unique PhenX variable identifiers, are included in the PhenX Data Dictionary (DD) files.

The ACS data used in this protocol can be accessed by using Excel to read the ACS Summary Files or by downloading the data using the “View Tables” display at the U.S. Census Bureau’s Data.census.gov platform at <http://data.census.gov>.

Using Excel to Access Summary Files:

https://www2.census.gov/programs-surveys/acs/summary_file/2017/documentation/tech_docs/ACS_SF_Excel_Import_Tool.pdf?#

Using the Download Center:

https://www2.census.gov/programs-surveys/acs/summary_file/2017/documentation/tech_docs/How_to_Access_ACS_Estimates_AFF.pdf?#

The technical documentation for the American Community Survey (ACS) summary files is available online at <https://www.census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html>. Select the “Summary File Documentation” link, and then select the data set of interest. Users not familiar with U.S. Census data should consult the technical materials.

If the user is interested in additional variables beyond those included in the academic attainment/achievement protocol, they should be aware that not all ACS estimates are available for all geographies. These missing estimates are due to data suppression techniques by which the U.S. Census Bureau limits disclosure of individual data and does not release estimates with poor statistical reliability. Additional information about data suppression and the specific estimates it impacts can be found at <http://www.census.gov/programs-surveys/acs/technical-documentation/data-suppression.html>.

The race/ethnic data are available for all small census geographies—including census block, census block group, and census tract—and can be easily extracted for almost any geographic level.

"Academic Attainment/Achievement " is derived from data in ACS 5-Year "Table S1501: Educational Attainment."

Table S1501: EDUCATIONAL ATTAINMENT

Universe: Total population

For the individual table shell for Table S1501 (see the S1501.xlsx individual table shell file available in the Technical Documentation).

Table S1501 is reproduced below:

Line Number	Description
0	EDUCATIONAL ATTAINMENT
0.5	Subject
0.9	AGE BY EDUCATIONAL ATTAINMENT
1	Population 18 to 24 years
2	Less than high school graduate
3	High school graduate (includes equivalency)
4	Some college or associate's degree
5	Bachelor's degree or higher
5.3	
6	Population 25 years and over
7	Less than 9th grade

8	9th to 12th grade, no diploma
9	High school graduate (includes equivalency)
10	Some college, no degree
11	Associate's degree
12	Bachelor's degree
13	Graduate or professional degree
13.3	
14	Percent high school graduate or higher
15	Percent bachelor's degree or higher
15.3	
16	Population 25 to 34 years
17	High school graduate or higher
18	Bachelor's degree or higher
18.3	
19	Population 35 to 44 years

20	High school graduate or higher
21	Bachelor's degree or higher
21.3	
22	Population 45 to 64 years
23	High school graduate or higher
24	Bachelor's degree or higher
24.3	
25	Population 65 years and over
26	High school graduate or higher
27	Bachelor's degree or higher

Protocol source: <https://www.phenxtoolkit.org/protocols/view/290301>