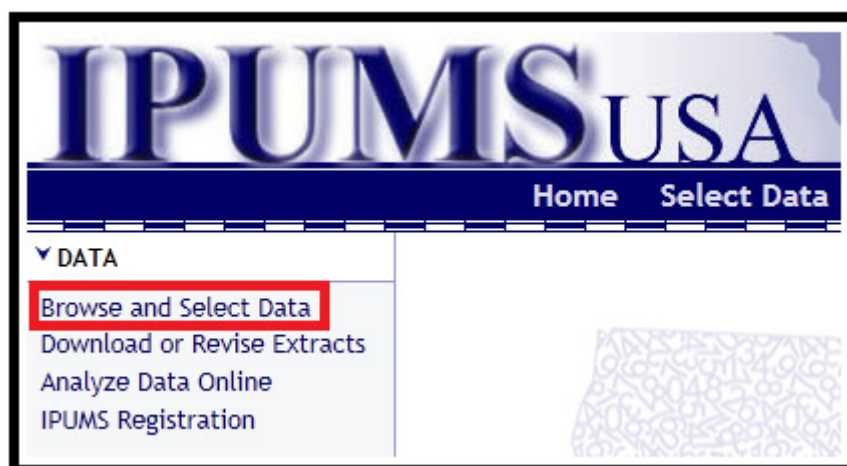


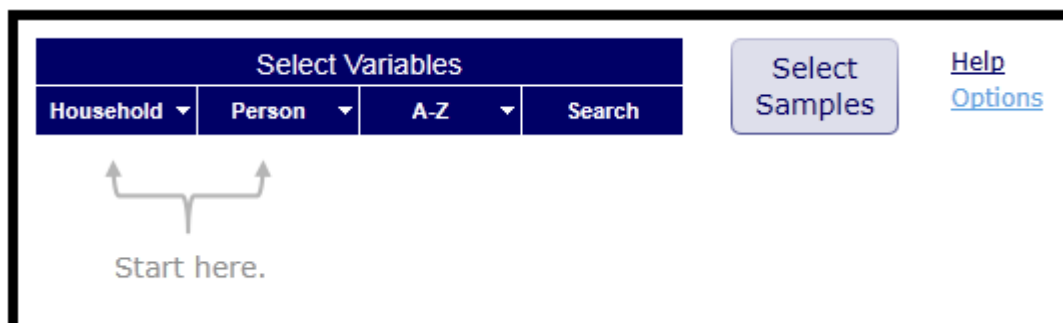
Instructions for Using the IPUMS Data Extraction System

The IPUMS-USA data extraction system allows researchers to make extracts of the data oriented to their specific research needs and available computing resources. In practice, researchers never require all variables and all cases from a census or survey year. Researchers can design subsamples incorporating the subset of variables and years pertaining to the specific populations of interested to them.

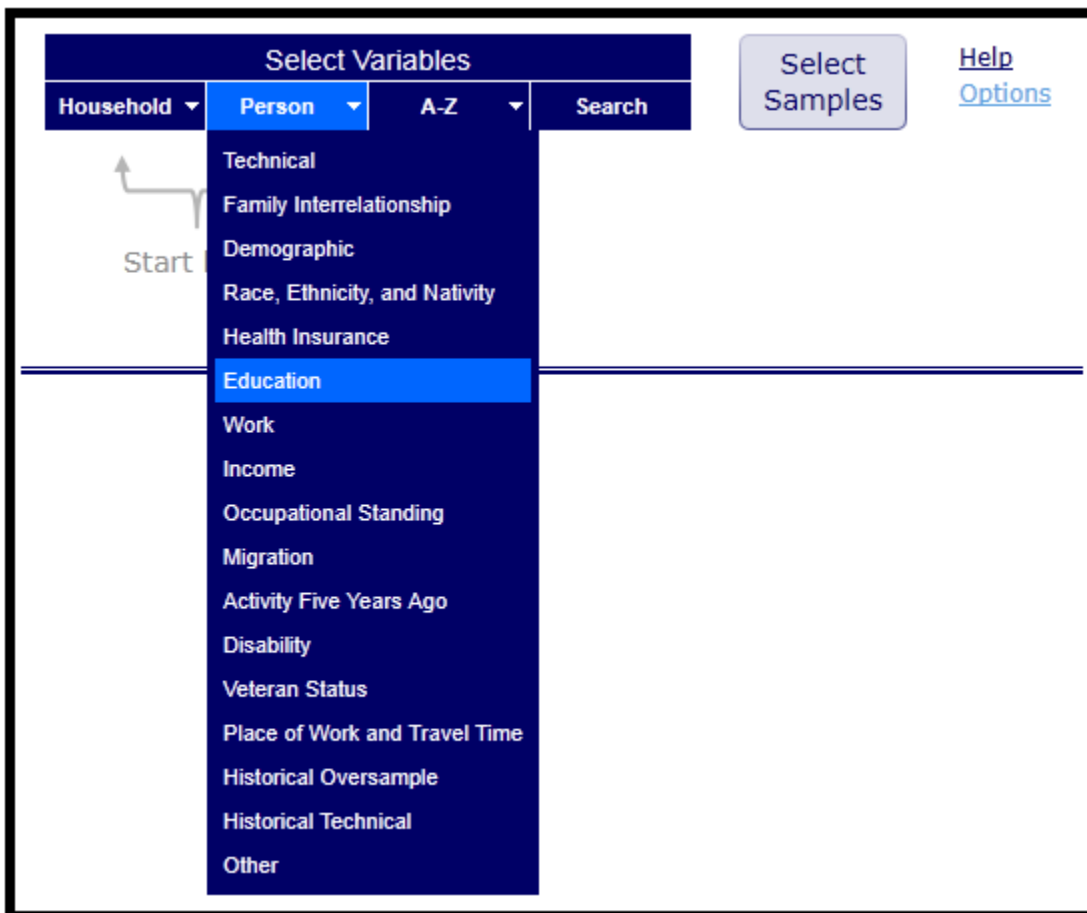
From the home page, click on **'Select Data'**.



The 'Browse and Select Variables' screen that follows allows you to browse and select the variables that you are interested in, select relevant samples, and set extract options.



To view or select household-level variables, hover over **'Household'** and then click on the desired variable category. To view or select person-level variables, hover over **'Person'** and click the category of your choice. Alternatively, you can view and select variables alphabetically by hovering over **'A-Z'** and selecting the relevant letter. You can also use the **search functionality** to locate the variable that you're looking for.



The screen that follows contains all **variables matching the criteria you selected**, and indicates the **samples for which these variables are available**.

Variables								
Household	Person	A-Z	Search	Select Samples	Help	Options		
Education Variables -- PERSON [top]								
Add to cart	Variable	Variable Label	Type	Codes	2009 acs	2008 acs	2007 acs	2006 acs
+	SCHOOL	School attendance	P	codes	X	X	X	X
+	SCHLMNTH	Months in school	P	codes	.	.	.	.
+	HIGRADE	Highest grade of schooling	P	codes	.	.	.	.
+	EDUC	Educational attainment	P	codes	X	X	X	X
+	GRADEATT	Grade level attending	P	codes	X	X	X	X
+	SCHLTYPE	Public or private school	P	codes	X	X	X	X
+	DEGFIELD	Field of degree	P	codes	X	.	.	.
+	DEGFIELD2	Field of degree (2)	P	codes	X	.	.	.

In the example above, the 'X' for 'SCHOOL' under '2009 acs' indicates that the SCHOOL variable is available in the 2009 ACS sample. The '.' For 'HIGRADE' under '2009 acs' indicates that the HIGRADE variable is not available in the 2009 ACS sample.

To view the variable description for a particular variable, simply click on the **variable name**. You can also click on the **"Codes"** link to view the possible codes and labels for the variables, along with the years in which each code was available as a response.

Variables								
Household	Person	A-Z	Search	Select Samples	Help	Options		
Education Variables -- PERSON [top]								
Add to cart	Variable	Variable Label	Type	Codes	2009 acs	2008 acs	2007 acs	2006 acs
+	SCHOOL	School attendance	P	codes	X	X	X	X
+	SCHLMNTH	Months in school	P	codes	.	.	.	.
+	HIGRADE	Highest grade of schooling	P	codes	.	.	.	.
+	EDUC	Educational attainment	P	codes	X	X	X	X

Once you've clicked through to the variable description, you can view the **comparability**, **universe**, **codes**, **availability**, **questionnaire text**, and **flags** by simply clicking the relevant tab at the top of the variable description page. If you're satisfied that the variable suits your needs, click **'Add to Cart'** in the upper-right-hand corner. You can click "Back" in your browser window to return to the variable browse and select screen.

If you know which variables you want to use without needing to read the description, you can always click the **“+”** button next to the desired variable. Once a variable is in your data cart, this button will instead display as a **checked box**. Clicking the checked box will remove the variable from your cart.

Variables						2009 2008 2007 2006			
Household	Person	A-Z	Search			acs	acs	acs	acs
Education Variables -- PERSON [top]									
Add to cart	Variable	Variable Label	Type	Codes					
<input checked="" type="checkbox"/>	SCHOOL	School attendance	P	codes	X	X	X	X	
<input type="checkbox"/>	SCHLMNTH	Months in school	P	codes	.	.	.	.
<input type="checkbox"/>	HIGRADE	Highest grade of schooling	P	codes	.	.	.	.
<input type="checkbox"/>	EDUC	Educational attainment	P	codes	X	X	X	X	

Clicking the “Select Samples” button will allow you to pick the samples for which you’d like to obtain data.

The screenshot shows the 'Variables' interface. At the top, there are dropdown menus for 'Household', 'Person', and 'A-Z', along with a 'Search' button. To the right, there is a 'Select Samples' button highlighted with a red border, and links for 'Options' and 'Help'. Below this is a header for 'Education Variables -- PERSON [top]'. A table lists variables with columns for 'Add to cart', 'Variable', 'Variable Label', 'Type', 'Codes', and years 2009, 2008, 2007, and 2006. The table contains two rows: 'SCHOOL' (School attendance) and 'SCHLMNTH' (Months in school).

Add to cart	Variable	Variable Label	Type	Codes	2009	2008	2007	2006
<input checked="" type="checkbox"/>	SCHOOL	School attendance	P	codes	X	X	X	X
<input checked="" type="checkbox"/>	SCHLMNTH	Months in school	P	codes	.	.	.	.

After checking the boxes next to the **samples you desire**, click **'Submit sample selections'** to save your choices.

The screenshot shows the 'Select Samples' page. It includes a heading 'Select Samples' and a paragraph about filtering variable documentation. A 'Submit sample selections' button is highlighted with a yellow border. Below, there is a section for 'Default U.S. sample from each year' with a list of years and ACS options. The 2009-2007 ACS selection area is highlighted with a red border.

Default U.S. sample from each year

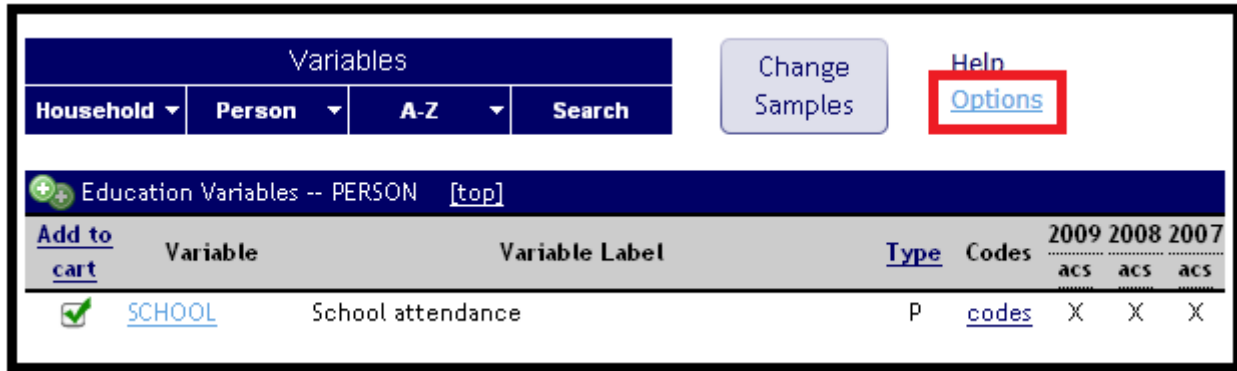
2009	<input checked="" type="checkbox"/> ACS	<input type="checkbox"/> ACS 3yr	<input type="checkbox"/> ACS 5yr
2008	<input checked="" type="checkbox"/> ACS	<input type="checkbox"/> ACS 3yr	
2007	<input checked="" type="checkbox"/> ACS	<input type="checkbox"/> ACS 3yr	
2006	<input type="checkbox"/> ACS		
2005	<input type="checkbox"/> ACS		
2004	<input type="checkbox"/> ACS		

You can revise the selected samples at any time by clicking the **'Change Samples'** button.

The screenshot shows the 'Variables' interface, similar to the first image. The 'Change Samples' button is highlighted with a red border. The table below shows only the 'SCHOOL' variable selected.

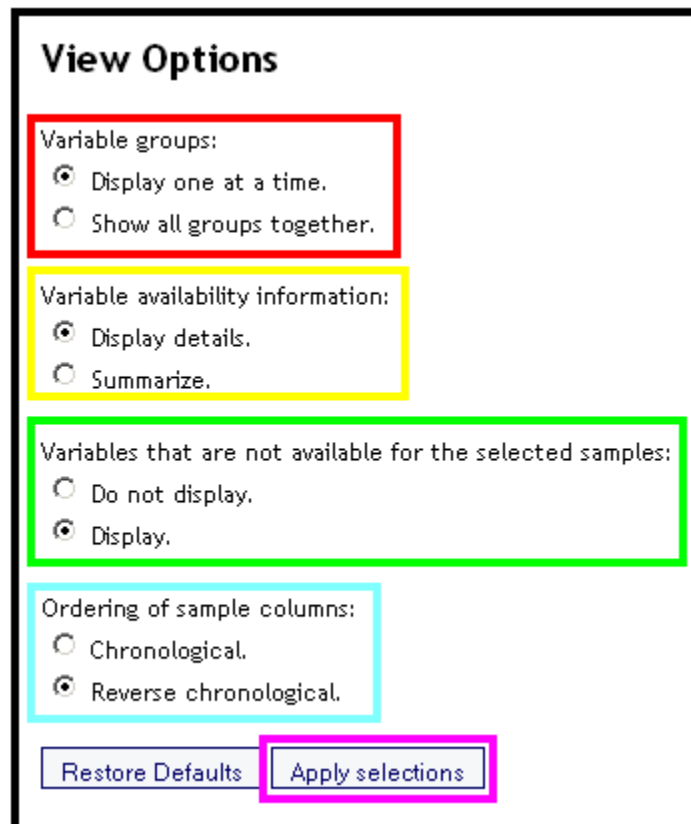
Add to cart	Variable	Variable Label	Type	Codes	2009	2008	2007
<input checked="" type="checkbox"/>	SCHOOL	School attendance	P	codes	X	X	X

You can edit display options by clicking the “Options” link in the upper-right corner.



The screenshot shows a web interface for managing variables. At the top, there is a 'Variables' header with dropdown menus for 'Household', 'Person', and 'A-Z', and a 'Search' button. To the right, there are buttons for 'Change Samples' and 'Help Options', with 'Options' highlighted in a red box. Below this is a table titled 'Education Variables -- PERSON [top]'. The table has columns for 'Variable', 'Variable Label', 'Type', 'Codes', and three sample years: '2009', '2008', and '2007'. The '2009' column has sub-columns for 'acs', 'acs', and 'acs'. The first row shows a checked checkbox, the variable 'SCHOOL', the label 'School attendance', type 'P', and codes 'codes' with 'X' marks in the sample columns.

The View Options page allows you to tell the extract system how you want the variables to be displayed. You can opt to have them **display one group at a time or all together**. You can elect to be shown **detailed or summary availability information**. The system allows you to select whether you want to **show variables that are not available for the selected samples or not**. Finally, you can **choose chronological or the reverse chronological ordering**. Click **Apply Selections** to save your choices.



The 'View Options' page contains several sections with radio button options:

- Variable groups:** Display one at a time. Show all groups together.
- Variable availability information:** Display details. Summarize.
- Variables that are not available for the selected samples:** Do not display. Display.
- Ordering of sample columns:** Chronological. Reverse chronological.

At the bottom, there are two buttons: 'Restore Defaults' and 'Apply selections', with 'Apply selections' highlighted in a pink box.

Once you've selected the samples and variables of your choice, click **'View Cart'**.

IPUMS USA

Home Select Data FAQ Contact Us Login

Variables: Household Person A-Z Search

Change Samples Options Help

Education Variables -- PERSON [top]

Add to cart	Variable	Variable Label	Type	Codes	2009 acs	2008 acs	2007 acs
<input checked="" type="checkbox"/>	SCHOOL	School attendance	P	codes	X	X	X

Data Cart: Your data extract, 1 variable, 3 samples. **VIEW CART**

The page that follows lists the **variables pre-selected by the extract system** as well as any **variables you selected**. You can remove variables from your extract in this step by clicking the **relevant checkbox in the 'in cart' column**. If the samples and variables are as you wish, click **'Create Data Extract'**.

Data Cart


Add more variables Add more samples **Create data extract**

[Clear Data Cart](#)

In cart	Variable	Variable Label	Type	Codes	2009 acs	2008 acs	2007 acs
<input checked="" type="checkbox"/>	YEAR	Census year [preselected]	H	codes	X	X	X
<input checked="" type="checkbox"/>	DATANUM	Data set number [preselected]	H	codes	X	X	X
<input checked="" type="checkbox"/>	SERIAL	Household serial number [preselected]	H	codes	X	X	X
<input checked="" type="checkbox"/>	HHWT	Household weight [preselected]	H	codes	X	X	X
<input checked="" type="checkbox"/>	GQ	Group quarters status [preselected]	H	codes	X	X	X
<input checked="" type="checkbox"/>	PERNUM	Person number in sample unit [preselected]	P	codes	X	X	X
<input checked="" type="checkbox"/>	PERWT	Person weight [preselected]	P	codes	X	X	X
<input checked="" type="checkbox"/>	AGE	Age	P	codes	X	X	X
<input checked="" type="checkbox"/>	SEX	Sex	P	codes	X	X	X
<input checked="" type="checkbox"/>	MARST	Marital status	P	codes	X	X	X
<input checked="" type="checkbox"/>	SCHOOL	School attendance	P	codes	X	X	X

At this point, you'll be asked to log in or register. Registered users can enter their log in details and click "Submit". If you're not yet registered, you'll be taken back to your data cart to continue the process once you've submitted the registration form.

Login



The [Minnesota Population Center](#) uses a **common user management system** for several data projects: IPUMS-USA, IPUMS-International, CPS, IHIS, and NAPP. If you already have an account with any of these projects, sign in below.

<h3>Sign In</h3> <p>Email: <input type="text"/></p> <p>Password: <input type="password"/></p> <p><input type="submit" value="Submit"/></p> <p>Forgot your password?</p>	<h3>Request an Account</h3> <p>Email: <input type="text"/></p> <p><input type="submit" value="Submit"/></p>
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The 'Extract Request' summary screen that follows allows you to generate **either a rectangular or hierarchical file**. By default, IPUMS data are rectangularized – that is, the extract system puts the household information on the person records and drops the separate household record. If you'd prefer a hierarchical file you can choose that here. You can also **customize sample size**, **select cases**, **attach characteristics**, and **select data quality flags**.

Extract Request ([help](#))

Samples:	3	(show)	Change
Variables:	11	(show)	Change
Structure:	Rectangular		Change
Estimated size:	396.0 MB		How to reduce extract size

Options

Customize sample sizes	Specify the number of cases to include from each sample in your extract.
Select cases	Include only specified cases (for example, persons age 60 and older).
Attach characteristics	Attach data from mother, father, spouse or household head as a new variable (for example, education of mother).
Select data quality flags	Include data quality flags for selected variables.

Describe your extract

[Submit extract](#)

The 'Customize sample sizes' screen shows you your **estimated extract size** and allows you to specify the **number of households**, **number of persons**, or the **desired density**. You can specify these values for the entire extract or for each sample individually. Clicking **'Calculate'** will show you your new estimated extract size. After setting the sample size that you'd like, click **'Submit'**.

Customize sample sizes ([help](#))

To alter the size of a sample, enter the desired number in one of its boxes in terms of households, persons, or sample density. Use the "All Samples" boxes to apply the same criterion to every sample in your extract. The customized extract will have altered weights that reflect the new sample densities.

The sample sizes shown below are approximate, and they disregard any case selection criteria you might have included in your extract. The minimum allowed sample size is 10 thousand households.

	Full IPUMS Samples			Customize Sample Sizes		
	Households (1000s)	Persons (1000s)	Density (%)	Households (1000s)	Persons (1000s)	Density (%)
All Samples						
2007 ACS	1360	2995	1.0	1360	2995	1.0
2008 ACS	1373	3001	1.0	1373	3001	1.0
2009 ACS	1383	3031	1.0	1383	3031	1.0
Total	4116	9027		4116	9027	

Extract size 396.0 Mb

396.0 Mb

Calculate **Reset selections**

Submit

The 'select cases' feature allows users to limit their dataset to contain only records with specific values for selected variables, such as persons age 65 and older. Multiple variables can be used in combination during case selection. Selections for multiple variables are additive, each being implicitly connected by a logical "AND" for processing purposes.

First, select **the variable or variables that you'd like to perform case selection on**. Then, click **'Submit'**.

Select cases ([help](#))

Choose variables for which to select specific cases.

Variable	Label
<input type="checkbox"/> GQ	Group quarters status
<input type="checkbox"/> AGE	Age
<input type="checkbox"/> SEX	Sex
<input type="checkbox"/> MARST	Marital status
<input type="checkbox"/> SCHOOL	School attendance

On the screen that follows, select the **values that you'd like to include in your extract**. Then, click **'Submit'**.

Select cases ([help](#))

Selection individuals or households

Include only those persons meeting case selection criteria
 Include all persons in the household of person meeting case selection criteria

AGE Age

061 61	<input type="checkbox"/>
062 62	<input type="checkbox"/>
063 63	<input type="checkbox"/>
064 64	<input type="checkbox"/>
065 65	<input checked="" type="checkbox"/>
066 66	<input checked="" type="checkbox"/>
067 67	<input checked="" type="checkbox"/>
068 68	<input checked="" type="checkbox"/>
069 69	<input checked="" type="checkbox"/>
070 70	<input checked="" type="checkbox"/>

Submit

The data extract system can attach a characteristic of a person's mother, father, or spouse as a new variable on the person's record. It can also attach the characteristics of the household head. For example, using the variable 'Age', it can make a new variable for **'Age of Spouse'**. Again, click **'Submit'**.

Attach characteristics ([help](#))

Check the boxes below to make one or more new variables describing the characteristics of other persons in the household. For example, checking the "Spouse" box next to the AGE variable would produce a variable called AGE_SP, which would specify the age of each respondent's spouse.

Variable	Head	Father	Mother	Spouse
PERNUM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PERWT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SEX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MARST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SCHOOL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Submit

You can include data quality flags for certain variables by checking the **boxes next to the variable name**. Checking the **box at the top of the column** will select all data quality flags available for the variables and samples you have chosen.

After you've checked the desired boxes, click **'Submit'**.

Select data quality flags ([help](#))

Include data quality flags for the following variables in your extract.

[All variables](#)

Variable	Label
<input checked="" type="checkbox"/> AGE	Age
<input type="checkbox"/> SEX	Sex
<input type="checkbox"/> MARST	Marital status
<input type="checkbox"/> SCHOOL	School attendance

Submit

If you're satisfied with your request, enter a description of your extract for your own reference and click **Submit extract**.

Extract Request ([help](#))

Samples:	3	(show)	Change
Variables:	12	(show)	Change
Structure:	Rectangular		Change
Estimated size:	215.2 MB		How to reduce extract size
Data quality flags:	1	(show)	

Options

Customize sample sizes	Specify the number of cases to include from each sample in your extract.
Select cases	Include only specified cases (for example, persons age 60 and older).
Attach characteristics	Attach data from mother, father, spouse or household head as a new variable (for example, education of mother).
Select data quality flags	Include data quality flags for selected variables.

Describe your extract

[Submit extract](#)

Extracts typically take only a few minutes, but can take a few hours or even more than a day if they are very large. You'll receive an email once your extract is complete, at which time you'll be able to download the data using the link provided in the email or by clicking "Download Your Extract" in the upper-left corner.