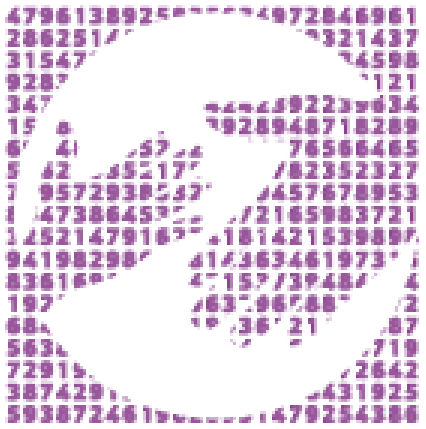


IPUMS MICS

Integrated microdata on women and children's health and wellbeing from around the world

Anna Bolgrien
bolgrien@umn.edu

IPUMS MICS Team

Anna Bolgrien, PhD

Elizabeth Heger Boyle, PhD JD

Mehr Munir, MA

Thank you to our funders and partners!

Eunice Kennedy Shriver National Institute of Child Health and Human Development

1R01HD099182-01A1

Minnesota Population Center (P2CHD041023)

UNICEF

Partner countries

Outline of Webinar

- What is UNICEF MICS
- What is IPUMS & IPUMS MICS
- Demonstration of IPUMS MICS web
- Examples of research with IPUMS MICS
- Q&A

MICS

Multiple Indicator Cluster Survey

Developed by UNICEF in the 1990s

Fills data gaps on children's and women's well-being

- World Summit for Children Goals
- MDGs
- SDGs

Images: Copyright UNICEF

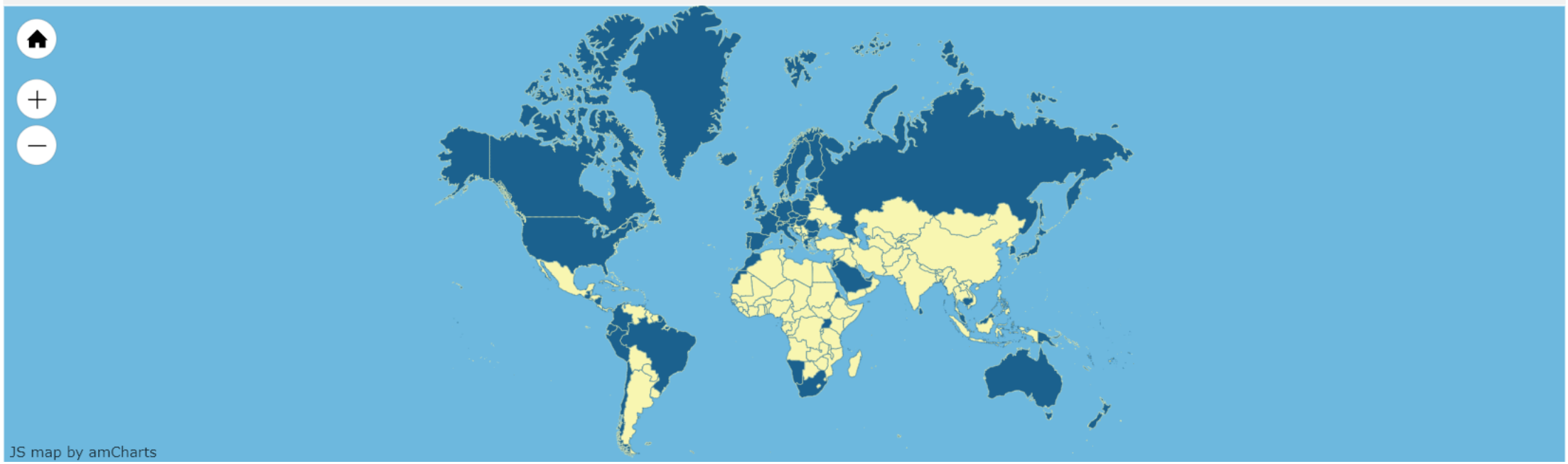
unicef | MICS

HOME ABOUT TOOLS SURVEYS

ABOUT MICS

Since the mid-1990s, 118 countries have carried out one or more Multiple Indicator Cluster Surveys, generating data on key indicators on the well-being of children and women, and helping shape policies for the improvement of their lives.

28	120	358
Years	Countries	Surveys



IPUMS.ORG

Sample design

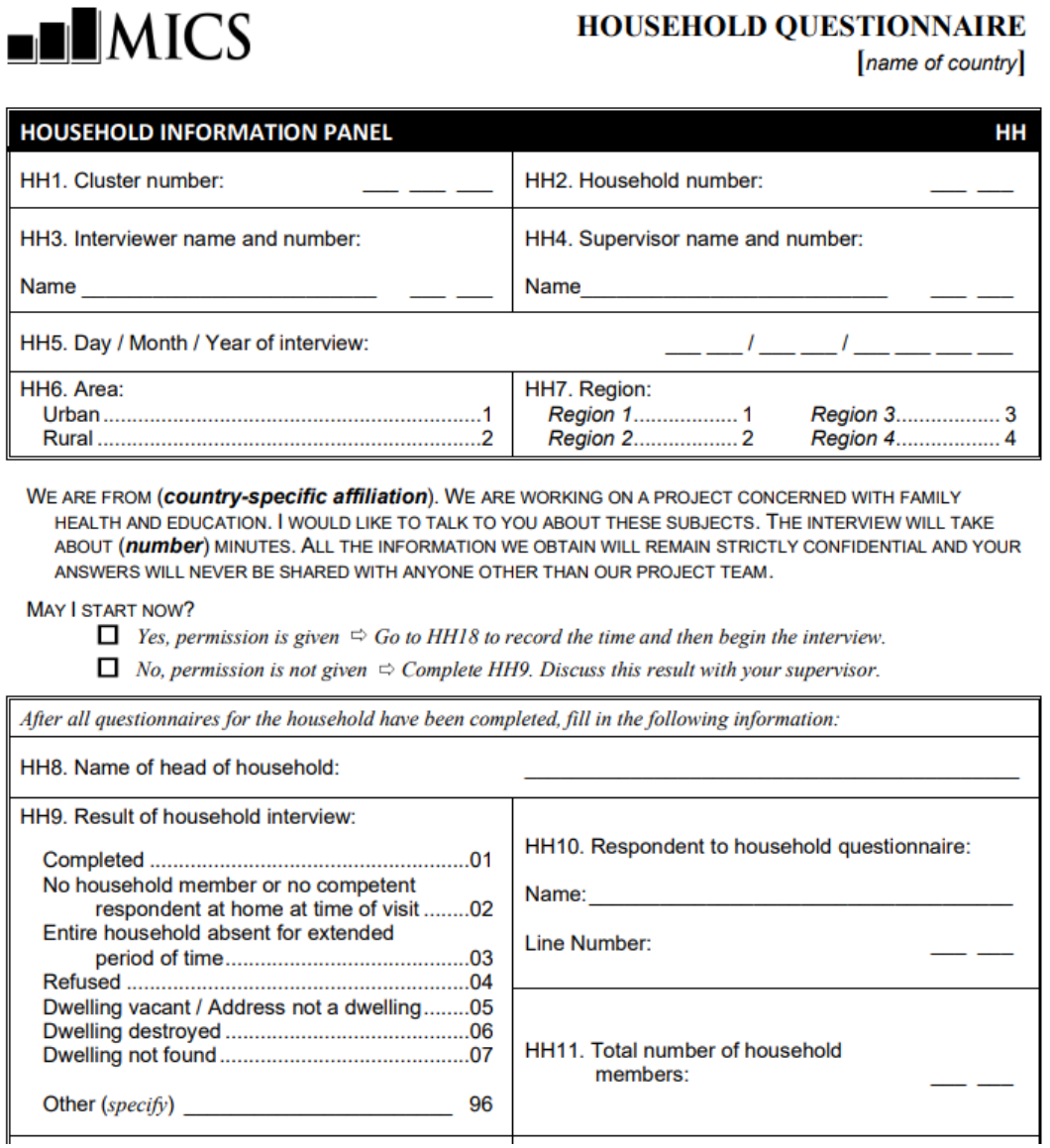
Nationally* representative sample of households

Typically, around 10,000 – 30,000 HHs (Min = 1,500; Max= 102,000)

*Some subnational populations and geography

Multi-stage cluster sampling of HHs

Similar to Demographic and Health Surveys (DHS)



MICS

HOUSEHOLD QUESTIONNAIRE

[*name of country*]

HOUSEHOLD INFORMATION PANEL	**HH**
HH1. Cluster number: ___ ___ ___	HH2. Household number: ___ ___
HH3. Interviewer name and number: Name _____ ___ ___	HH4. Supervisor name and number: Name _____ ___ ___
HH5. Day / Month / Year of interview: ___ ___ / ___ ___ / ___ ___ ___ ___	
HH6. Area: Urban ..... 1 Rural 2	HH7. Region: *Region 1* ..... 1 *Region 3* ..... 3 *Region 2* ..... 2 *Region 4* 4

WE ARE FROM (***country-specific affiliation***). WE ARE WORKING ON A PROJECT CONCERNED WITH FAMILY HEALTH AND EDUCATION. I WOULD LIKE TO TALK TO YOU ABOUT THESE SUBJECTS. THE INTERVIEW WILL TAKE ABOUT (***number***) MINUTES. ALL THE INFORMATION WE OBTAIN WILL REMAIN STRICTLY CONFIDENTIAL AND YOUR ANSWERS WILL NEVER BE SHARED WITH ANYONE OTHER THAN OUR PROJECT TEAM.

MAY I START NOW?

☐ *Yes, permission is given ⇨ Go to HH18 to record the time and then begin the interview.*

☐ *No, permission is not given ⇨ Complete HH9. Discuss this result with your supervisor.*

After all questionnaires for the household have been completed, fill in the following information:	
HH8. Name of head of household: _____	
HH9. Result of household interview: Completed ..... 01 No household member or no competent respondent at home at time of visit ..... 02 Entire household absent for extended period of time ..... 03 Refused ..... 04 Dwelling vacant / Address not a dwelling ..... 05 Dwelling destroyed ..... 06 Dwelling not found ..... 07 Other (*specify*) _____ 96	HH10. Respondent to household questionnaire: Name: _____ Line Number: ___ ___ HH11. Total number of household members: ___ ___

Household Questionnaire

HH Member Roster
HH Characteristics
WASH
Water Quality

Household Questionnaire

Individual Women (Age 15-49)

Demography
Fertility
Birth History
Contraception & Unmet Need
Maternal and Newborn Health

Household Questionnaire

Individual Women (Age 15-49)

Individual Men (Age 15-49)
(all or sub-sample of HHs)

Media & Technology
Sexual Behavior
HIV
Domestic Violence
Life Satisfaction

Household Questionnaire

Demography
Illness
Child Functioning
ECE & Development
Anthropometry
Child discipline

Individual Women (Age 15-49)

Individual Men (Age 15-49)
(all or sub-sample of HHs)

Children Under-5 (Age 0-4)

Household Questionnaire

Demography
Literacy and Numeracy
Parental Involvement
Child Discipline
Child Labor

Individual Women (Age 15-49)

Individual Men (Age 15-49)
(all or sub-sample of HHs)

Children Under-5 (Age 0-4)

Children Age 5-17
(one per HH)

Household Questionnaire

Individual Women (Age 15-49)

Individual Men (Age 15-49)
(all or sub-sample of HHs)

Children Under-5 (Age 0-4)

Children Age 5-17
(one per HH)

Using UNICEF MICS

unicef | MICS

HOME ABOUT TOOLS SURVEYS

SURVEYS

View contents by survey
View MICS Plus

Download reports of MICS surveys and request access to available datasets. Archives can be downloaded for select surveys.

Download manager

Subscribe to receive notifications for new reports and datasets.

email@email.com

Any round | Any region | Sierra Leone | Any year | Apply filters | Clear filters | Export

Listing 5 of 384 surveys

Survey	Region	Round	Year of survey	Status	Report	Datasets
Sierra Leone	WCA	MICS6	2017	Completed	Snapshots Survey findings	Available
Sierra Leone	WCA	MICS4	2010	Completed	Final	Available
Sierra Leone	WCA	MICS3	2005-06	Completed Archive	Final	Available
Sierra Leone	WCA	MICS2	2000	Completed	Final	Available

Name

bh.sav
ch.sav
fs.sav
hh.sav
hl.sav
mn.sav
wm.sav

What is IPUMS?

Integrated - consistent codes, labels, and documentation

Public Use - free, anonymized, downloadable

Microdata - individual-level

Series - pooled data over time and place

Key Features of All IPUMS Data

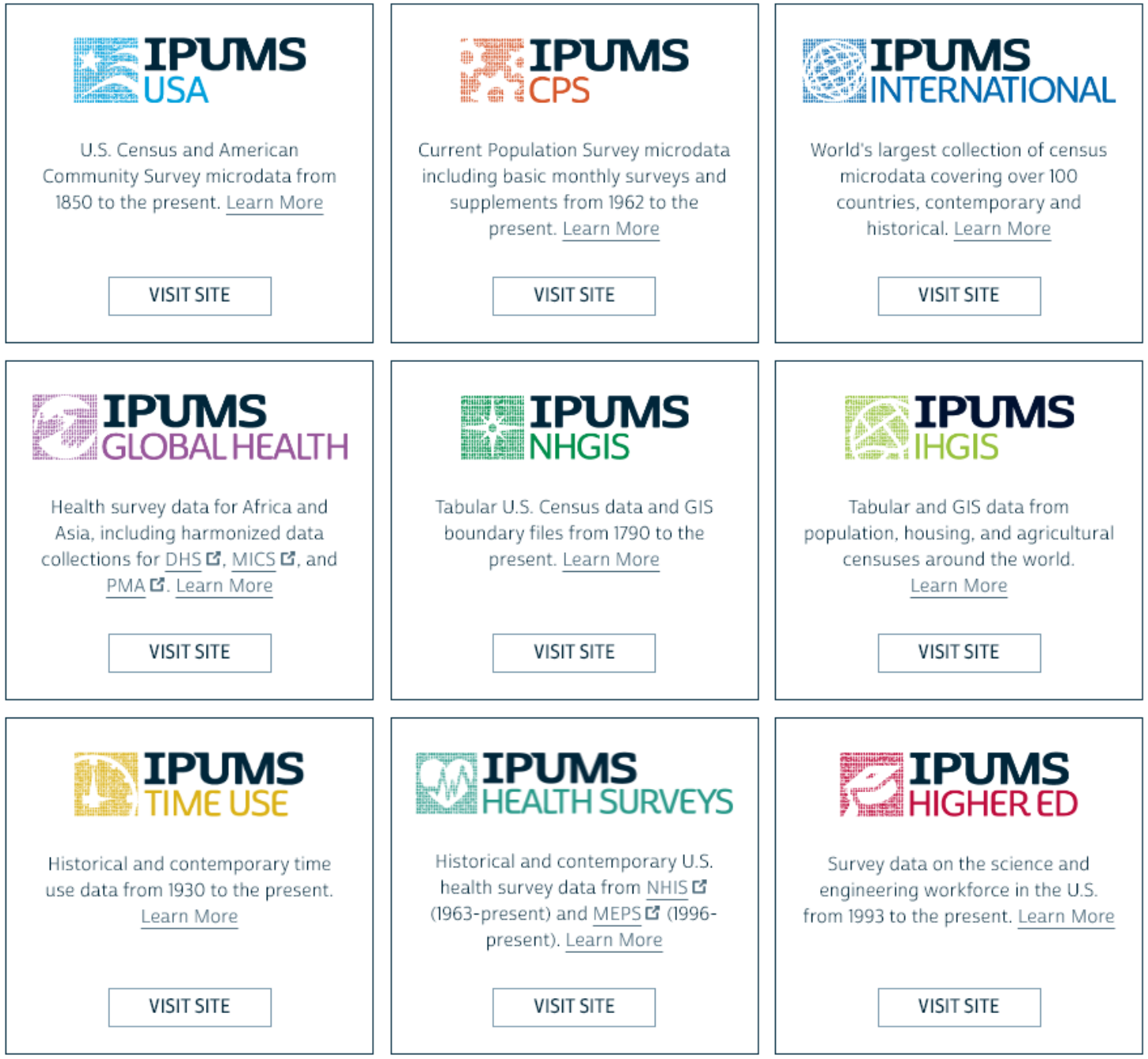
Free (grant-funded)

Harmonized across time and place

Thoroughly **documented**

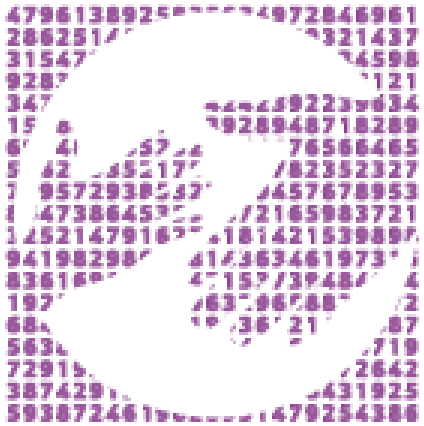
Customized and **easy**

1.4B records, **750+ surveys**



Lots of resources

IPUMS.ORG



IPUMS MICS

Harmonization for 900+ variables

89 countries 211 samples 1089 datasets

Added Value of IPUMS MICS

UNICEF MICS Data

- One sample
- SPSS Data files
- All variables

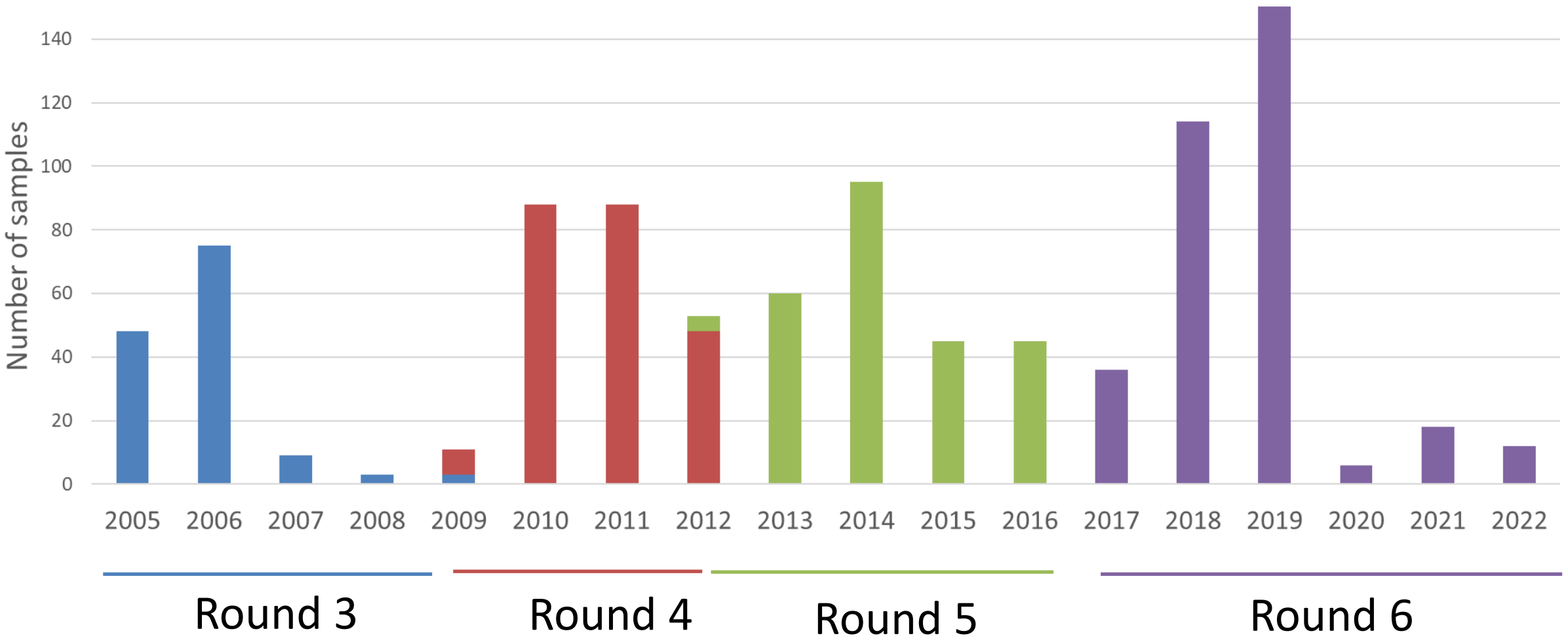
- Country reports

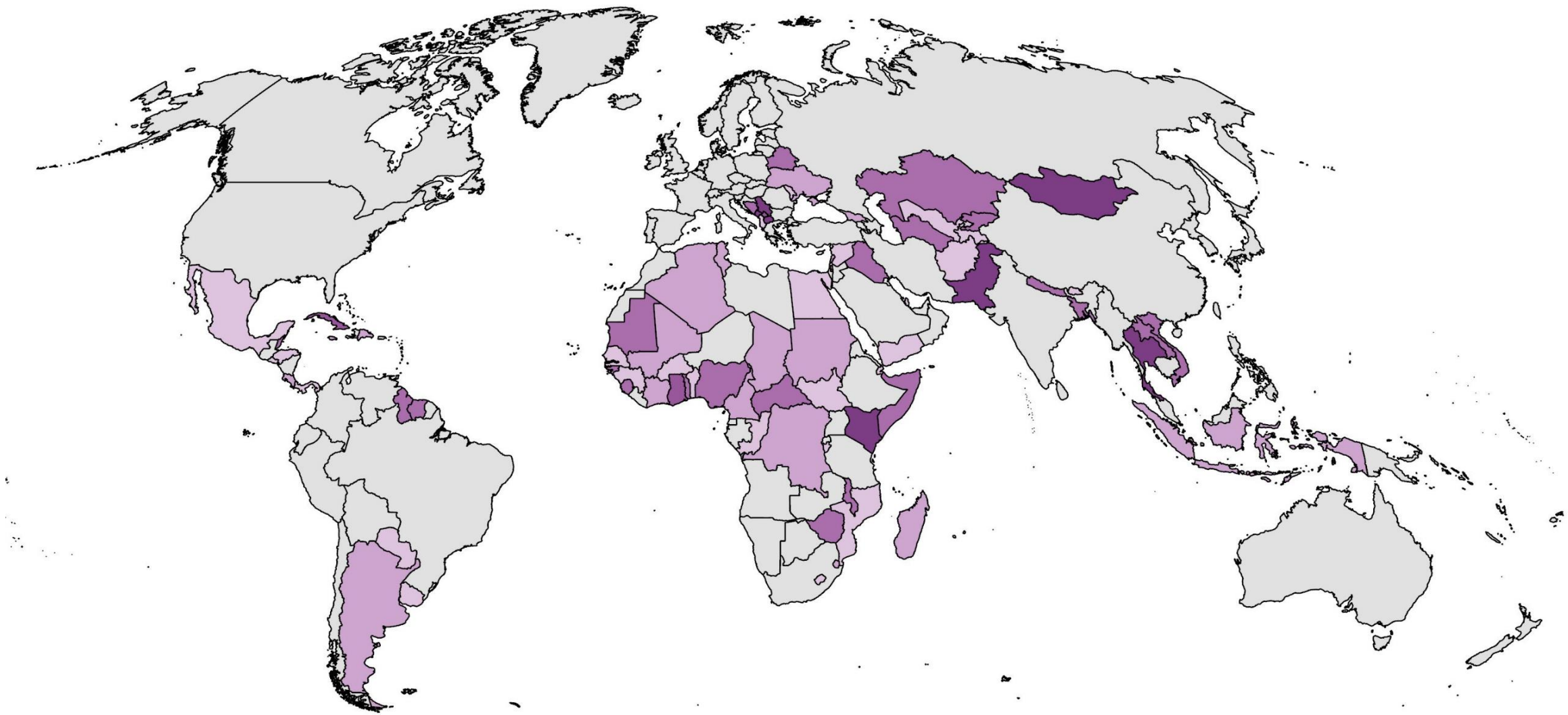
IPUMS MICS

- Harmonization across time and place
- Stata syntax files
- 60% of common variables (and growing)

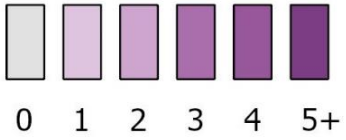
- User interface to browse variables
- Documented metadata
- Harmonized geography

Number of IPUMS Samples over time

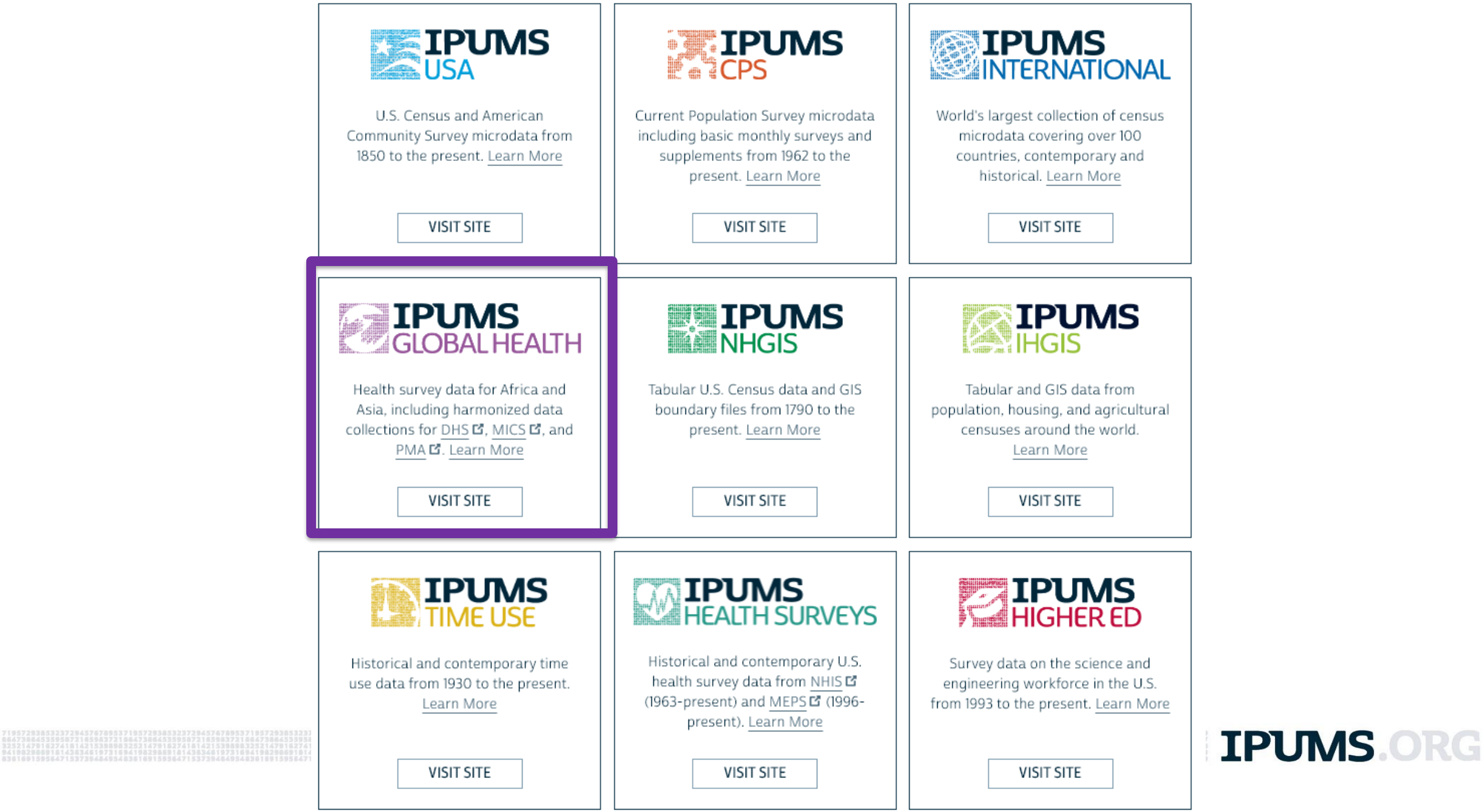




211 IPUMS MICS Samples (Country + Year)



Maps by Quinn Heimann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U.S. Census and American Community Survey microdata from 1850 to the present. Learn More
VISIT SITE
IPUMS CPS
Current Population Survey microdata including basic monthly surveys and supplements from 1962 to the present. Learn More
VISIT SITE
IPUMS INTERNATIONAL
World's largest collection of census microdata covering over 100 countries, contemporary and historical. Learn More
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IPUMS GLOBAL HEALTH
Health survey data for Africa and Asia, including harmonized data collections for DHS, MICS, and PMA. Learn More
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Tabular U.S. Census data and GIS boundary files from 1790 to the present. Learn More
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Tabular and GIS data from population, housing, and agricultural censuses around the world. Learn More
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Historical and contemporary time use data from 1930 to the present. Learn More
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IPUMS HEALTH SURVEYS
Historical and contemporary U.S. health survey data from NHIS (1963-present) and MEPS (1996-present). Learn More
VISIT SITE
IPUMS HIGHER ED
Survey data on the science and engineering workforce in the U.S. from 1993 to the present. Learn More
VISIT SITE

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MULTIPLE INDICATOR CLUSTER SURVEYS

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GEOGRAPHY AND GIS

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USER GUIDE
SAMPLE DESCRIPTIONS
SAMPLE UNIVERSES
SAMPLE QUESTIONNAIRES
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88 COUNTRIES – 202 SAMPLES – OVER 800 VARIABLES – 18 MILLION PERSON RECORDS

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Request Data Access

Already Registered for MICS? If you already have permission to access MICS datasets, that authorization will carry over to the IPUMS MICS system.

REGISTER

To access available datasets, please provide us with the following information and a short description of your research objectives.

First name

Last name

Email

Email confirmation

Password *(8 characters minimum, must include at least one letter, one digit, and one symbol)*

Password confirmation

Affiliation

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IPUMS MICS USER NOTES

WELCOME TO IPUMS MICS!

The Multiple Indicator Cluster Surveys (MICS) are the main source of information on health in the developing world. IPUMS MICS is designed to facilitate analysis of MICS data across time and space.

IPUMS MICS simplifies the use of MICS data, allowing researchers to easily explore comprehensive variable information, assess the feasibility of potential research before downloading data, and conduct pooled analyses with fully harmonized variables. IPUMS MICS is based on the original MICS data files; IPUMS MICS uses the original MICS data files as source material and does not distribute MICS data. When you request data from IPUMS MICS, you will download unaltered and original data from UNICEF, and will also be provided with a customized syntax file that will select and harmonize only the variables and samples that you have requested.

GETTING STARTED

- Register an Account
- Browsing and Selecting Data
- Downloading and Unzipping an Extract
- What every IPUMS MICS user should know

ABOUT THE DATA

- Sample Descriptions: Available countries, years, and units of analysis
- Questionnaires and Reports: Country specific documents
- Subnational Sample Descriptions

USING THE DATA

- Sample Universes

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IPUMS MICS

SELECT SAMPLES

SELECT VARIABLES

TOPICS | A-Z | SEA

lect **samples** and **variables** to build a custom Stata data

CHOOSE THE UNIT OF ANALYSIS FOR DATA BROWSING

WOMEN	EACH RECORD WILL BE A WOMAN OF CHILDBEARING AGE DESCRIPTION
CHILDREN 0-4	EACH RECORD WILL BE A CHILD UNDER AGE 5 DESCRIPTION
CHILDREN 5-17	EACH RECORD WILL BE A CHILD AGE 5 TO 17 DESCRIPTION
BIRTHS	EACH RECORD WILL BE A BIRTH REPORTED BY A WOMAN OF CHILDBEARING AGE DESCRIPTION
MEN	EACH RECORD WILL BE A MAN DESCRIPTION
HOUSEHOLD MEMBERS	EACH RECORD WILL BE A HOUSEHOLD MEMBER DESCRIPTION
HOUSEHOLD CHARACTERISTICS	EACH RECORD WILL BE A HOUSEHOLD DESCRIPTION

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

SELECT SAMPLES

SELECT VARIABLES

TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

HELP

COUNTRY ABBREVIATIONS

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Variable documentation on the website can be filtered to display only material corresponding to chosen datasets (more information on this feature).

SUBMIT SAMPLE SELECTIONS

All Samples

	Round 6	Round 5	Round 4	Round 3
Afghanistan			2010	
Albania				2005
Algeria	2018		2012	
Argentina	2019		2011	
Bangladesh	2019	2012		2006
Barbados			2012	
Belarus	2019		2012	2005
Belize		2015	2011	2006
Benin		2014		
Bhutan			2010	
Bosnia and Herzegovina			2011b	2006
			2011a	
Burkina Faso				2006
Burundi				2005
Cameroon		2014		2006
Central African Republic	2018		2010	2006
Chad	2019		2010	
Congo		2014		
Congo Democratic Republic	2017		2010	
Costa Rica	2018		2011	
Cote D'Ivoire		2016		2006
Cuba	2019	2014	2010	2006

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All Samples

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Albania				2005
Algeria	2018		2012	
Argentina	2019		2011	
Bangladesh	2019	2012		2006
Barbados			2012	
Belarus	2019		2012	2005
Belize		2015	2011	2006
Benin		2014		
Bhutan			2010	
Bosnia and Herzegovina			2011b	2006
			2011a	
Burkina Faso				2006
Burundi				2005
Cameroon		2014		2006
Central African Republic	2018		2010	2006
Chad	2019		2010	
Congo		2014		
Congo Democratic Republic	2017		2010	
Costa Rica	2018		2011	
Cote D'Ivoire		2016		2006
Cuba	2019	2014	2010	2006

DATA CART
YOUR DATA EXTRACT
0 VARIABLES
16 SAMPLES
VIEW CART

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

SELECT SAMPLES

SELECT VARIABLES
TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

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DATA CART
YOUR DATA EXTRACT
0 VARIABLES
16 SAMPLES
VIEW CART

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

CHANGE SAMPLES

SELECT VARIABLES

TOPICS | A-Z | SEARCH

- TECHNICAL
- GEOGRAPHY
- DEMOGRAPHY
- ETHNICITY AND LANGUAGE
- HOUSEHOLD WEALTH INDEX
- EDUCATION
- EARLY CHILDHOOD EDUCATION
- ANTHROPOMETRICS
- FUNCTIONING AND DISABILITY
- CARE OF ILLNESS
- DISCIPLINE

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CHANGE SAMPLES

SELECT VARIABLES
TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

HELP
COUNTRY ABBREVIATIONS

AN "X" INDICATES THE VARIABLE IS AVAILABLE IN THAT DATASET.

CARE OF ILLNESS VARIABLES [TOP]

Add to cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
⊕	FEVER	Child had fever in last two weeks	.	.	X	.	.	X	.	.	X	X	X	X	.	.	X	X
⊕	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGH[illegible]EBREATH	Child had difficulty breathing with a cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGH[illegible]HEST	Child breathing difficulty due to chest or nose	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARR	Child had diarrhea in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPACK	Child given fluid from ORS packet for diarrhea	X	.	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPREPACK	Child given prepacked ORS fluid for diarrhea	X	.	X	X	X	X	.	.	X	X	X	X	.	X	X	X
⊕	DIARRFLUID	Child amount of fluid consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRFOOD	Child amount of food consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRZINCTAB	Child given zinc tablets for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINCSYRUP	Child given zinc syrup for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINC	Child given zinc tablets or syrup for diarrhea	.	X	X	.	.	X	.	.	X	.	X	X	.	X	X	X
⊕	FEVERBLOODTEST	Child had blood taken for testing during fever	.	.	X	.	.	.	.	.	.	.	X	X	.	.	.	.
⊕	DIARRTREAT	Sought advice or treatment for the diarrhoea from any source	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHOSP	Diarrhea care: government hospital	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHCTR	Diarrhea care: government health center	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHPOST	Diarrhea care: government health post	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBCHW	Diarrhea care: community health worker	.	.	X	.	.	.	.	.	X	.	.	X	.	.	.	.
⊕	DIARRCPUBMOB	Diarrhea care: mobile/outreach clinic			X			X			X			X				

COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Codes and Frequencies

(•) Category availability view
( ) Case-count view

An 'X' indicates the category is available for that sample

Code	Label	bangl 06	bangl 12	bangl 19	belarus 05	belarus 12	belarus 19	belize 06	belize 11	belize 15	cenafre 06	cenafre 10	cenafre 18	cuba 10	cuba 14	cuba 19
0	No	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1	Yes	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	Don't know	X	X	X	·	·	X	·	X	·	X	X	X	X	X	X
8	Missing	X	X	·	·	·	·	·	·	X	X	X	·	X	X	X
9	NIU (not in universe)	X	X	X	·	X	X	·	X	X	X	X	X	X	X	X

COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Codes and Frequencies

Category availability view
Case-count view

Code	Label	bangl 06	bangl 12	bangl 19	belarus 05	belarus 12	belarus 19	belize 06	belize 11	belize 15	cenafre 06	cenafre 10	cenafre 18	cuba 10	cuba 14	cuba 19
0	No	25,368	15,314	18,156	2,166	2,712	2,810	526	1,643	1,914	6,412	5,411	5,825	4,117	4,529	4,713
1	Yes	6,181	5,577	4,936	885	731	678	270	302	622	3,136	5,055	3,083	1,906	1,127	536
7	Don't know	13	5	9	0	0	1	0	1	0	14	1	15	1	4	4
8	Missing	4	7	0	0	0	0	0	0	1	23	7	0	1	7	1
9	NIU (not in universe)	3,144	2,499	1,585	0	22	55	0	36	120	235	430	114	70	91	16

COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Description

COUGH indicates whether the child had a cough in the last two weeks.

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COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Comparability

The variable is comparable across samples.

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COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Universe

Bangladesh 2006: Children age 0-4
Bangladesh 2012: Children age 0-4
Bangladesh 2019: Children age 0-4
Belarus 2005: Children age 0-4
Belarus 2012: Children age 0-4
Belarus 2019: Children age 0-4
Belize 2006: Children age 0-4
Belize 2011: Children age 0-4
Belize 2015: Children age 0-4
Central African Republic 2006: Children age 0-4
Central African Republic 2010: Children age 0-4
Central African Republic 2018: Children age 0-4
Cuba 2010: Children age 0-4
Cuba 2014: Children age 0-4

COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Availability

Afghanistan: 2010
Albania: 2005
Algeria: 2012, 2018
Argentina: 2011, 2019
Bangladesh: 2006, 2012, 2019
Barbados: 2012
Belarus: 2005, 2012, 2019
Belize: 2006, 2011, 2015
Benin: 2014
Bhutan: 2010
Bosnia and Herzegovina: 2006, 2011
Bosnia and Herzegovina (Roma): 2011
Burkina Faso: 2006
Burundi: 2005

COUGH

ADD TO CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Questionnaire Text

Bangladesh 2006
Bangladesh 2012
Bangladesh 2019
Belarus 2005
Belarus 2012
Belarus 2019
Belize 2006
Belize 2011
Belize 2015
Central African Republic 2006
Central African Republic 2010
Central African Republic 2018
Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2006

top

Survey form **view entire document:** text image

CA5. Has (name) had an illness with a cough at any time in the last two weeks, that is, since (day of the week) of the week before last?

[] 1 Yes
[] 2 No **(go to CA12)**
[] 8 DK **(go to CA12)**

COUGH

ADD TO CART | CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Questionnaire Text

Bangladesh 2006
Bangladesh 2012
Bangladesh 2019
Belarus 2005
Belarus 2012
Belarus 2019
Belize 2006
Belize 2011
Belize 2015
Central African Republic 2006
Central African Republic 2010
Central African Republic 2018
Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2006

top

Survey form **view entire document:** text image

CA5. Has (name) had an illness with a cough at any time in the last two weeks, that is, since (day of the week) of the week before last?

[] 1 Yes
[] 2 No **(go to CA12)**
[] 8 DK **(go to CA12)**

COUGH

REMOVE FROM CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Questionnaire Text

Bangladesh 2006
Bangladesh 2012
Bangladesh 2019
Belarus 2005
Belarus 2012
Belarus 2019
Belize 2006
Belize 2011
Belize 2015
Central African Republic 2006
Central African Republic 2010
Central African Republic 2018
Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2006

top

Survey form **view entire document: text image**

CA5. Has (name) had an illness with a cough at any time in the last two weeks, that is, since (day of the week) of the week before last?

[] 1 Yes
[] 2 No **(go to CA12)**
[] 8 DK **(go to CA12)**

COUGH

REMOVE FROM CART CHANGE SAMPLES

Child had cough in last two weeks

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Questionnaire Text

Bangladesh 2006
Bangladesh 2012
Bangladesh 2019
Belarus 2005
Belarus 2012
Belarus 2019
Belize 2006
Belize 2011
Belize 2015
Central African Republic 2006
Central African Republic 2010
Central African Republic 2018
Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2006

top

Survey form **view entire document:** text image

CA5. Has (name) had an illness with a cough at any time in the last two weeks, that is, since (day of the week) of the week before last?

[] 1 Yes
[] 2 No **(go to CA12)**
[] 8 DK **(go to CA12)**

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

CHANGE SAMPLES

SELECT VARIABLES
TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

HELP
COUNTRY ABBREVIATIONS

AN "X" INDICATES THE VARIABLE IS AVAILABLE IN THAT DATASET.

CARE OF ILLNESS VARIABLES [TOP]

Add to cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
⊕	FEVER	Child had fever in last two weeks	.	.	X	.	.	X	.	.	X	X	X	X	.	.	X	X
⊕	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHDIFFBREATH	Child had difficulty breathing with a cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHCHEST	Child breathing difficulty due to chest or nose	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARR	Child had diarrhea in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPACK	Child given fluid from ORS packet for diarrhea	X	.	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPREPACK	Child given prepacked ORS fluid for diarrhea	X	.	X	X	X	X	.	.	X	X	X	X	.	X	X	X
⊕	DIARRFLUID	Child amount of fluid consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRFOOD	Child amount of food consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRZINCTAB	Child given zinc tablets for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINCSYRUP	Child given zinc syrup for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINC	Child given zinc tablets or syrup for diarrhea	.	X	X	.	.	X	.	.	X	.	X	X	.	X	X	X
⊕	FEVERBLOODTEST	Child had blood taken for testing during fever	.	.	X	.	.	.	.	.	.	.	X	X	.	.	.	.
⊕	DIARRTREAT	Sought advice or treatment for the diarrhoea from any source	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHOSP	Diarrhea care: government hospital	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHCTR	Diarrhea care: government health center	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHPOST	Diarrhea care: government health post	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBCHW	Diarrhea care: community health worker	.	.	X	.	.	.	.	.	X	.	.	X	.	.	.	.
⊕	DIARRCPUBMOB	Diarrhea care: mobile/outreach clinic			X			X			X			X				

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

CHANGE SAMPLES

SELECT VARIABLES
TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

HELP
COUNTRY ABBREVIATIONS

AN "X" INDICATES THE VARIABLE IS AVAILABLE IN THAT DATASET.

CARE OF ILLNESS VARIABLES [TOP]

Add to cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
⊕	FEVER	Child had fever in last two weeks	.	.	X	.	.	X	.	.	X	X	X	X	.	.	X	X
☑	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHDIFFBREATH	Child had difficulty breathing with a cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHCHEST	Child breathing difficulty due to chest or nose	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARR	Child had diarrhea in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPACK	Child given fluid from ORS packet for diarrhea	X	.	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPREPACK	Child given prepacked ORS fluid for diarrhea	X	.	X	X	X	X	.	.	X	X	X	X	.	X	X	X
⊕	DIARRFLUID	Child amount of fluid consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRFOOD	Child amount of food consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRZINCTAB	Child given zinc tablets for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINCSYRUP	Child given zinc syrup for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINC	Child given zinc tablets or syrup for diarrhea	.	X	X	.	.	X	.	.	X	.	X	X	.	X	X	X
⊕	FEVERBLOODTEST	Child had blood taken for testing during fever	.	.	X	.	.	.	.	.	.	.	X	X	.	.	.	.
⊕	DIARRTREAT	Sought advice or treatment for the diarrhoea from any source	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHOSP	Diarrhea care: government hospital	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHCTR	Diarrhea care: government health center	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHPOST	Diarrhea care: government health post	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X

DIARRZINC

ADD TO CART CHANGE SAMPLES

Child given zinc tablets or syrup for diarrhea

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Codes and Frequencies

(•) Category availability view
( ) Case-count view

An 'X' indicates the category is available for that sample

Code	Label	bangl 12	bangl 19	belarus 19	belize 15	cenafre 10	cenafre 18	cuba 10	cuba 14	cuba 19
0	No	X	X	X	X	X	X	X	X	X
1	Yes	X	X	X	X	X	X	X	X	X
7	Don't know	.	X	.	X	.	X	.	X	X
8	Missing/no response	X	.	.	.	X	.	.	X	.
9	NIU (not in universe)	X	X	X	X	X	X	X	X	X

DIARRZINC

ADD TO CART | CHANGE SAMPLES

Child given zinc tablets or syrup for diarrhea

Return to Care of illness variables list

CODES | DESCRIPTION | COMPARABILITY | UNIVERSE | AVAILABILITY | QUESTIONNAIRE TEXT

Comparability — Index

GENERAL

Comparability

The variable is largely comparable across samples.

In early samples, surveys separately record whether the child received zinc tablets or zinc syrup. Those data are contained in separate variables (DIARRZINCTAB and DIARRZINCSYRUP) as well as being harmonized into this variable.

DIARRZINC

ADD TO CART CHANGE SAMPLES

Child given zinc tablets or syrup for diarrhea

Return to Care of illness variables list

Questionnaire Text

Bangladesh 2012
Bangladesh 2019
Belarus 2019
Belize 2015
Central African Republic 2010
Central African Republic 2018
Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2012

top

Survey form view entire document: text image

CA6. What (else) was given to treat the diarrhoea?

Cuba 2010
Cuba 2014
Cuba 2019

Bangladesh 2012

top

Survey form **view entire document:** text image

CA6. What (else) was given to treat the diarrhoea?
Probe: Anything else? Record all treatments given. Write brand name(s) of all medicines mentioned.
(Name) _____

Pill or Syrup

[] A Antibiotic
[] B Antimotility
[] C Zinc
[] G Other pill or syrup (Not antibiotic, antimotility or zinc)
[] H Unknown pill or syrup

Injection

[] L Antibiotic
[] M Non-antibiotic
[] N Unknown injection

[] O Intravenous
[] Q Home remedy/herbal medicine
[] X Other (specify) _____

Bangladesh 2012
Bangladesh 2019
Belarus 2019
Belize 2015

Bangladesh 2019 top

Survey form **view entire document: text image**

CA7. During the time (name) had diarrhoea, was (he/she) given:

[C] Zinc tablets or syrup?

[] 1 Yes
[] 2 No
[] 8 DK

Belarus 2019 top

Survey form **view entire document: text image**

CA7. During the time (name) had diarrhoea, was (he/she) given:

[C] Zinc tablets or syrup?

[] 1 Yes
[] 2 No
[] 8 DK

Bangladesh 2012
Bangladesh 2019
Belarus 2019
Belize 2015

Belize 2015 top

Survey form **view entire document:** text image

CA4C. During the time (name) had diarrhoea, was (name) given:

[A] Zinc tablets?

[] 1 Yes
[] 2 No
[] 8 DK

Bangladesh 2012
Bangladesh 2019
Belarus 2019
Belize 2015

Survey form **view entire document:** text image

CA4C. During the time (name) had diarrhoea, was (name) given:

[B] Zinc syrup?

[] 1 Yes
[] 2 No
[] 8 DK

CURRENTLY BROWSING: "CHILDREN 0-4" CHANGE

CHANGE SAMPLES

SELECT VARIABLES
TOPICS | A-Z | SEARCH

DISPLAY OPTIONS

HELP
COUNTRY ABBREVIATIONS

AN "X" INDICATES THE VARIABLE IS AVAILABLE IN THAT DATASET.

CARE OF ILLNESS VARIABLES [TOP]

Add to cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
⊕	FEVER	Child had fever in last two weeks	.	.	X	.	.	X	.	.	X	X	X	X	.	.	X	X
⊕	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHDIFFBREATH	Child had difficulty breathing with a cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	COUGHCHEST	Child breathing difficulty due to chest or nose	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARR	Child had diarrhea in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPACK	Child given fluid from ORS packet for diarrhea	X	.	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRORSPREPACK	Child given prepacked ORS fluid for diarrhea	X	.	X	X	X	X	.	.	X	X	X	X	.	X	X	X
⊕	DIARRFLUID	Child amount of fluid consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRFOOD	Child amount of food consumed during diarrhea	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X
⊕	DIARRZINCTAB	Child given zinc tablets for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINCSYRUP	Child given zinc syrup for diarrhea	.	.	.	.	.	.	.	.	X	.	.	.	.	.	X	.
⊕	DIARRZINC	Child given zinc tablets or syrup for diarrhea	.	X	X	.	.	X	.	.	X	.	X	X	.	X	X	X
⊕	FEVERBLOODTEST	Child had blood taken for testing during fever	.	.	X	.	.	.	.	.	.	.	X	X	.	.	.	.
⊕	DIARRTREAT	Sought advice or treatment for the diarrhoea from any source	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHOSP	Diarrhea care: government hospital	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHCTR	Diarrhea care: government health center	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBHPOST	Diarrhea care: government health post	.	.	X	.	.	X	.	.	X	.	.	X	.	.	X	X
⊕	DIARRCPUBCHW	Diarrhea care: community health worker	.	.	X	.	.	.	.	.	X	.	.	X	.	.	.	.
⊕	DIARRCPUBMOB	Diarrhea care: mobile/outreach clinic			X			X			X			X				

DATA CART

ADD MORE VARIABLES

ADD MORE SAMPLES

CREATE DATA EXTRACT

Clear Data Cart

In cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
☑	UNITANALYSIS	Unit of analysis [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SAMPLE	IPUMS sample identifier [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	COUNTRY	Country [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	YEAR	Survey year [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	ROUND	Survey round [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SUBNATIONAL	Subnational survey [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SERIAL	Serial number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	CLUSTER	Cluster number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	HHNO	Household number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	LINECH	Child's line number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	LINEMC	Mother/caretaker's line number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	RESULTCH	Result of interview for children under 5 [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	WEIGHTCH	Children under 5 sample weight [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X

DATA CART

ADD MORE VARIABLES

ADD MORE SAMPLES

CREATE DATA EXTRACT

Clear Data Cart

In cart	Variable	Variable Label	bangl 2006	bangl 2012	bangl 2019	belarus 2005	belarus 2012	belarus 2019	belize 2006	belize 2011	belize 2015	cenafre 2006	cenafre 2010	cenafre 2018	cuba 2006	cuba 2010	cuba 2014	cuba 2019
☑	UNITANALYSIS	Unit of analysis [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SAMPLE	IPUMS sample identifier [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	COUNTRY	Country [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	YEAR	Survey year [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	ROUND	Survey round [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SUBNATIONAL	Subnational survey [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	SERIAL	Serial number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	CLUSTER	Cluster number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	HHNO	Household number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	LINECH	Child's line number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	LINEMC	Mother/caretaker's line number [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	RESULTCH	Result of interview for children under 5 [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	WEIGHTCH	Children under 5 sample weight [preselected]	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
☑	COUGH	Child had cough in last two weeks	X	X	X	X	X	X	X	X	X	X	X	X	.	X	X	X

IPUMS MICS

EXTRACT REQUEST (HELP)

SAMPLES:	16	(show)	Change
VARIABLES:	14	(show)	Change
DATA FORMAT:	.dat (fixed-width text)		

Describe your extract

Highly recommended!

SUBMIT EXTRACT

COPYRIGHT © MINNESOTA POPULATION CENTER, UNIVERSITY OF MINNESOTA.

IPUMS MICS

If you haven't logged in yet, you will be asked to log in

EXTRACT REQUEST (HELP)

SAMPLES:	16	(show)	Change
VARIABLES:	14	(show)	Change
DATA FORMAT:	.dat (fixed-width text)		

Describe your extract

SUBMIT EXTRACT

COPYRIGHT © MINNESOTA POPULATION CENTER, UNIVERSITY OF MINNESOTA.

IPUMS MICS does not disseminate MICS data

Instead provides custom syntax file
to run in Stata

IPUMS MICS

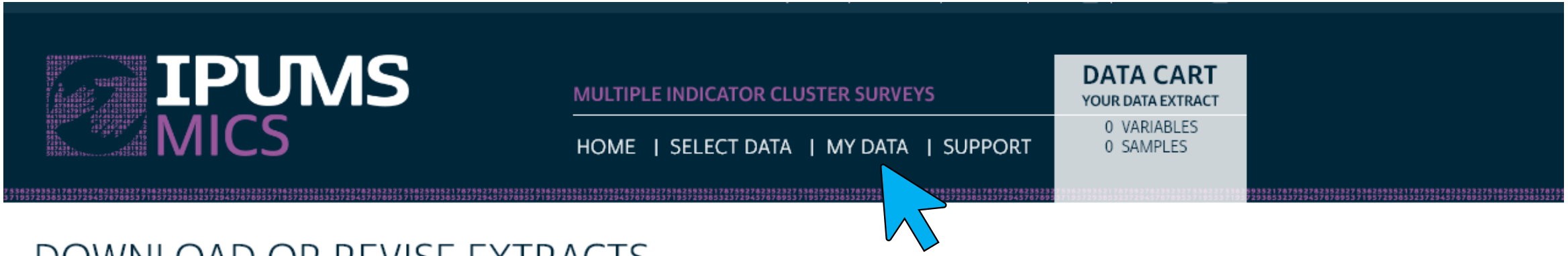
EXTRACT REQUEST (HELP)

SAMPLES:	16	(show)	Change
VARIABLES:	14	(show)	Change
DATA FORMAT:	.dat (fixed-width text)		

Describe your extract

SUBMIT EXTRACT

COPYRIGHT © MINNESOTA POPULATION CENTER, UNIVERSITY OF MINNESOTA.



DOWNLOAD OR REVISE EXTRACTS

Use the links provided below to download a data extract (right-click the links for the data, command files, and codebook) or to revise an extract (that is, use a previous extract a
opening an extract on your computer go here. Note: data files will be available for 72 hours, after which they are subject to deletion.

EXTRACT #	DATE CREATED	STATUS ?	DOWNLOAD DATA	REVISE EXTRACT
12	2023-Sep-18	COMPLETED	DOWNLOAD FROM UNICEF	REVISE
11	2023-Sep-12	EXPIRED	RESUBMIT	REVISE

IPUMS MICS

MULTIPLE INDICATOR CLUSTER SURVEYS

HOME | SELECT DATA | MY DATA | SUPPORT

DATA CART
YOUR DATA EXTRACT
0 VARIABLES
0 SAMPLES

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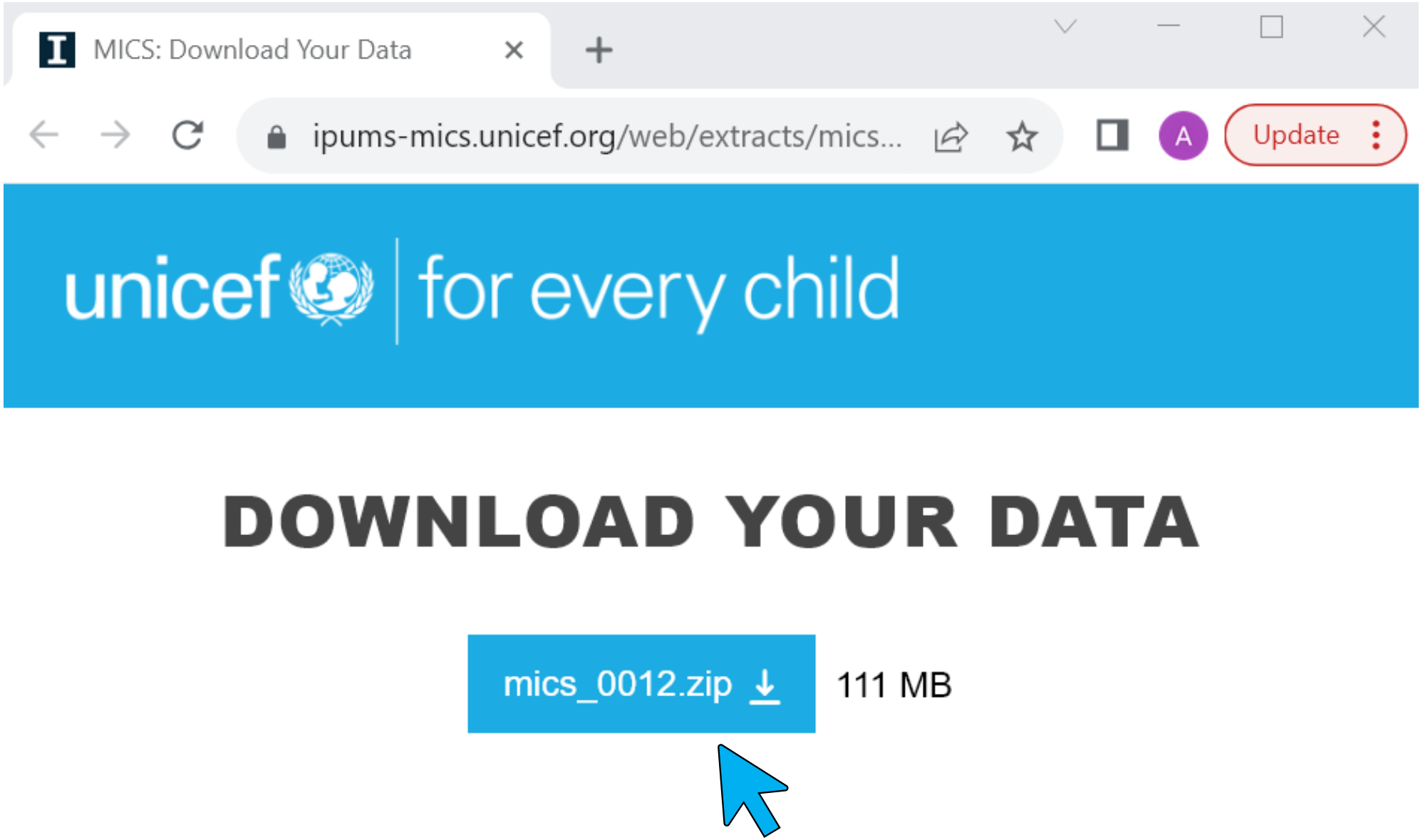
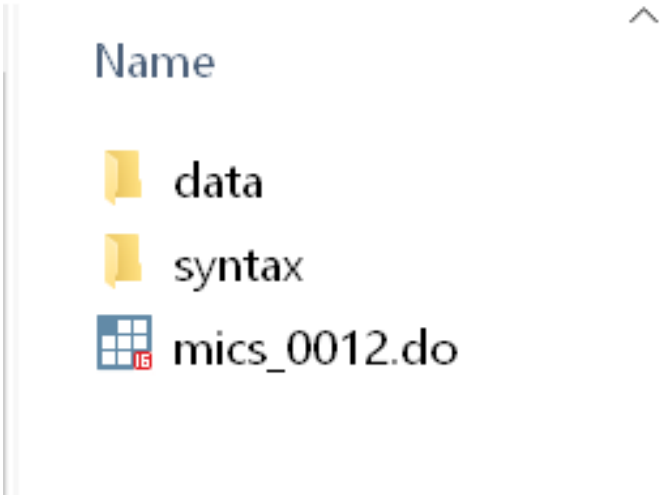
EXTRACT #	DATE CREATED	STATUS ?	DOWNLOAD DATA	REVISE EXTRACT
12	2023-Sep-18	COMPLETED	DOWNLOAD FROM UNICEF	REVISE
11	2023-Sep-12	EXPIRED	RESUBMIT	REVISE

DOWNLOAD EXTRACT FROM UNICEF

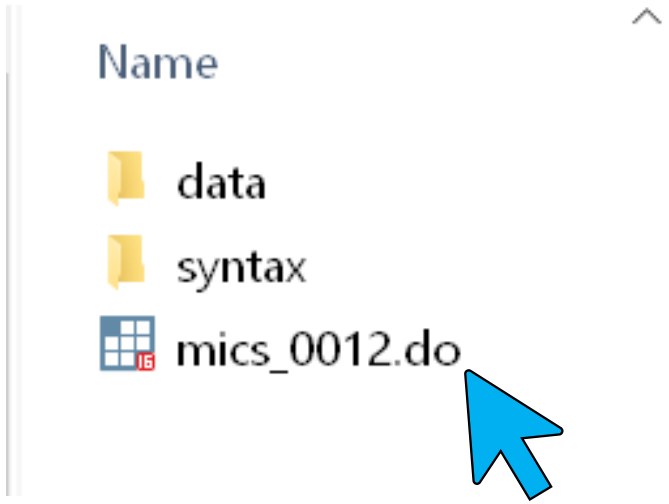
You are being directed to UNICEF to download your customized data extract. The data from UNICEF are paired with IPUMS generated Stata syntax. Unzip the download packet on your computer and run the syntax file to complete your extract.

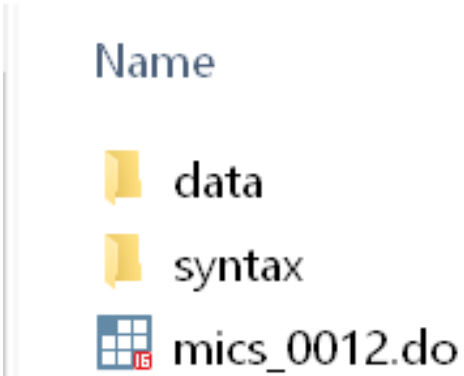
CLOSE | CONTINUE TO DOWNLOAD


MICS: Download Your Data
ipums-mics.unicef.org/web/extracts/mics...
Update
unicef | for every child
DOWNLOAD YOUR DATA
mics_0012.zip
111 MB



You will need to UNZIP this file
Instructions in the user guide


Name
data
syntax
mics_0012.do



Set your working directory

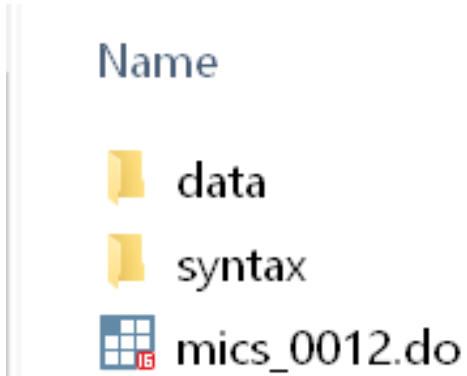
Do-file Editor - mics_0012.do

File Edit View Language Project Tools

mics_0012.do

```
/*
Created by the ipums-syntax program, Version 0.4.8

This top-level .do file will run all of the .do files in the
syntax/
directory to process and load all of the data in the extract.
*/

set more off

clear
do "syntax/dz2018a_wm_mics.do"
qui drop DZ2018A_WM_*
qui save "data/dz2018a_wm_mics.dta", replace

clear
do "syntax/ar2019a_wm_mics.do"
qui drop AR2019A_WM_*
qui save "data/ar2019a_wm_mics.dta", replace

clear
do "syntax/bd2012a_wm_mics.do"
qui drop BD2012A_WM_*
qui save "data/bd2012a_wm_mics.dta", replace

clear
do "syntax/bd2019a_wm_mics.do"
qui drop BD2019A_WM_*
qui save "data/bd2019a_wm_mics.dta", replace

```

Line: 1, Col: 1 CAP NUM OVR



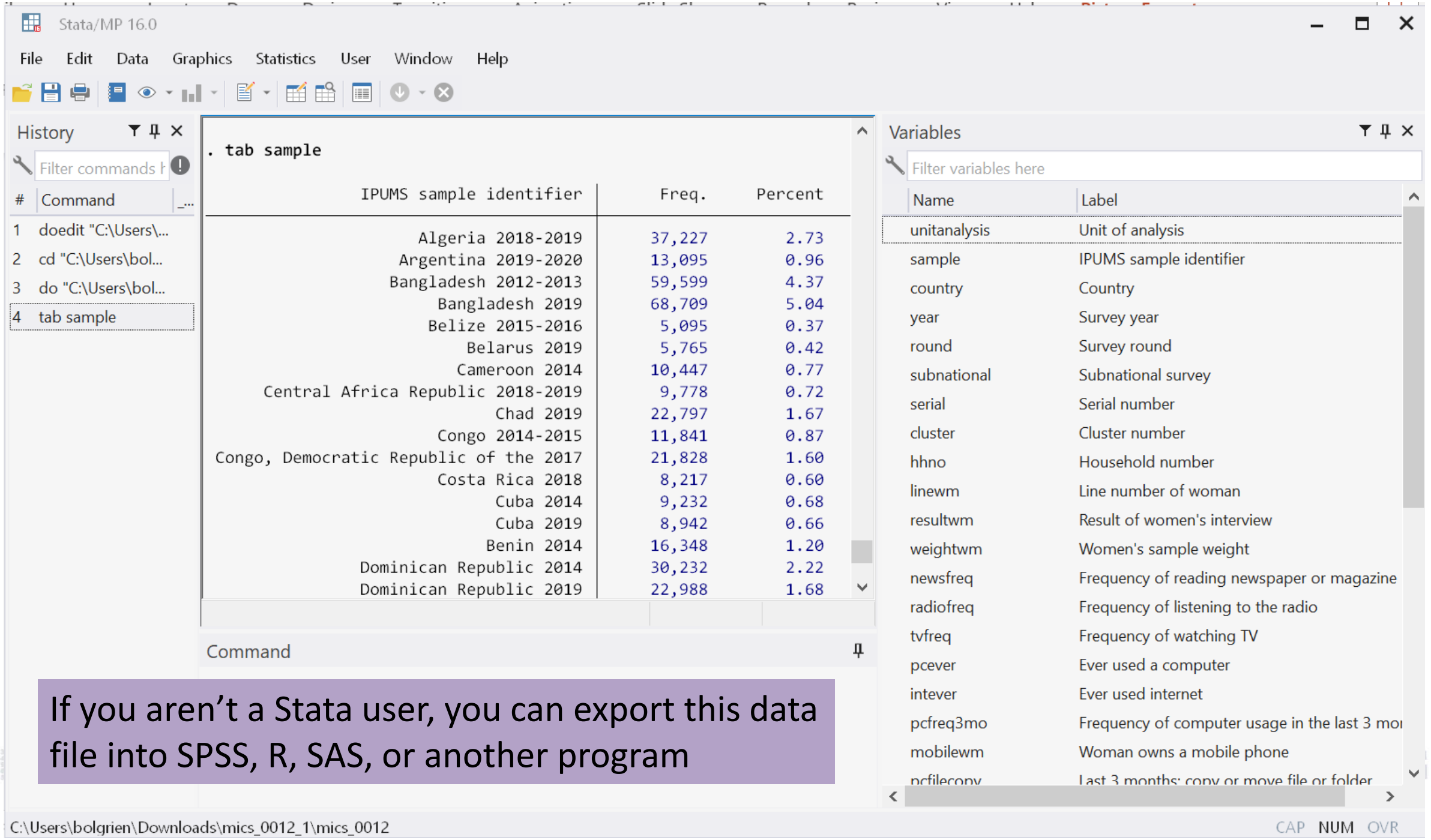
Do-file Editor - mics_0012.do

File Edit View Language Project Tools

mics_0012.do

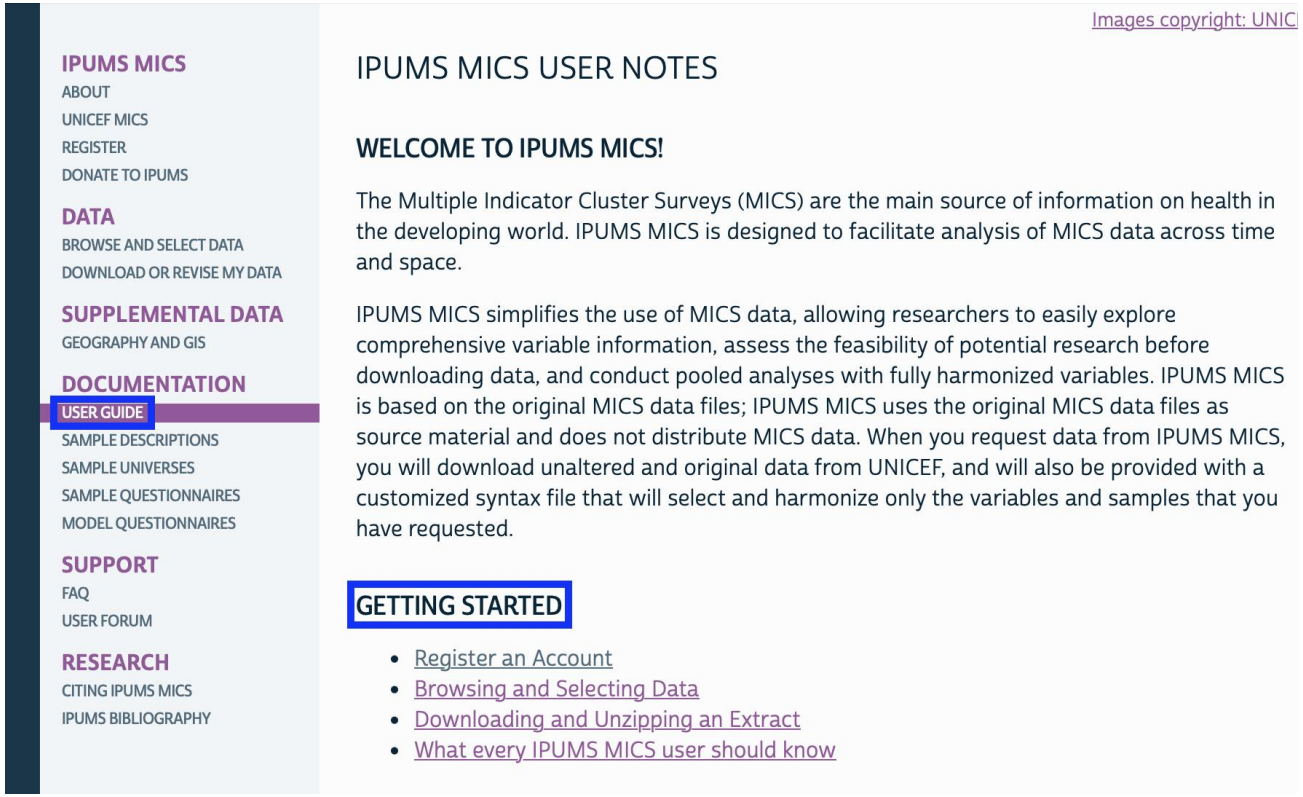
```
1  /*
2  Created by the ipums-syntax program, Version .4.8
3
4  This top-level .do file will run all of the .do files in the
5  syntax/
6  directory to process and load all of the data in the extract.
7  */
8
9  set more off
10
11 clear
12 do "syntax/dz2018a_wm_mics.do"
13 qui drop DZ2018A_WM_*
14 qui save "data/dz2018a_wm_mics.dta", replace
15
16 clear
17 do "syntax/ar2019a_wm_mics.do"
18 qui drop AR2019A_WM_*
19 qui save "data/ar2019a_wm_mics.dta", replace
20
21 clear
22 do "syntax/bd2012a_wm_mics.do"
23 qui drop BD2012A_WM_*
24 qui save "data/bd2012a_wm_mics.dta", replace
25
26 clear
27 do "syntax/bd2019a_wm_mics.do"
28 qui drop BD2019A_WM_*
29 qui save "data/bd2019a_wm_mics.dta", replace
```

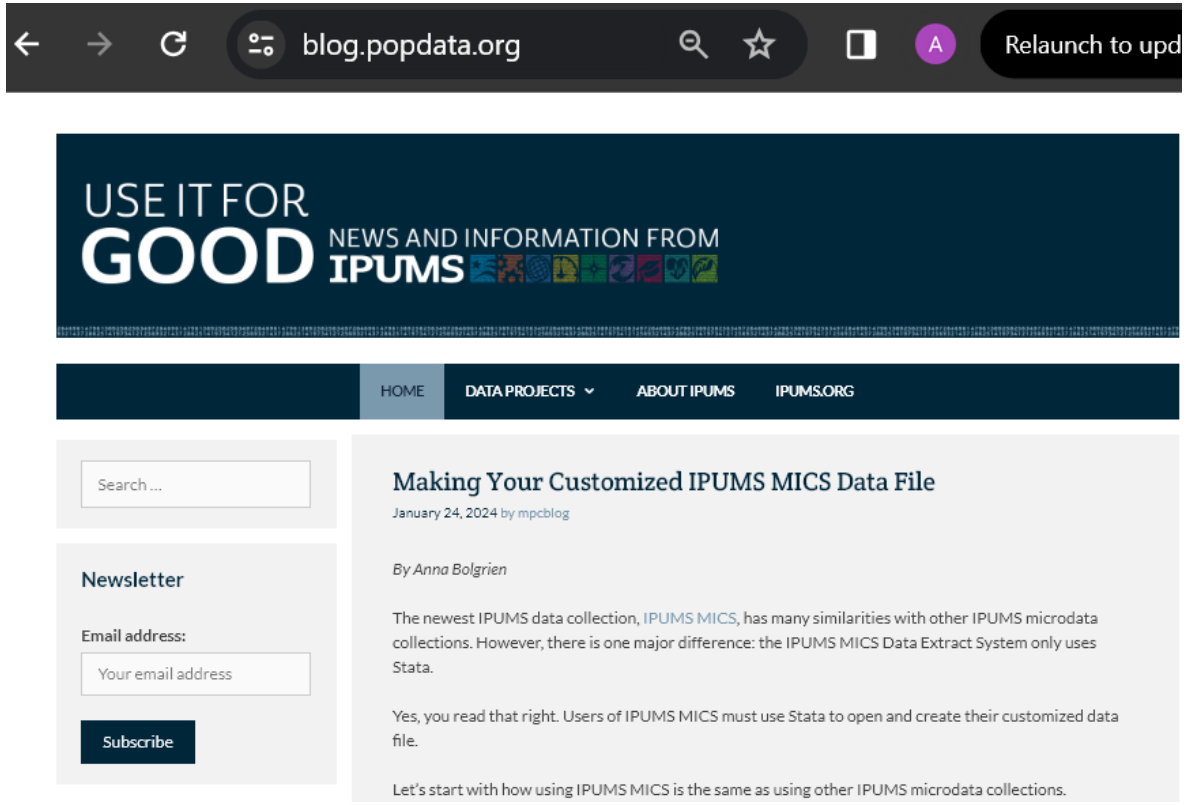
Line: 1, Col: 1 CAP NUM OVR



If you aren't a Stata user, you can export this data file into SPSS, R, SAS, or another program

Lots of resources to learn more!

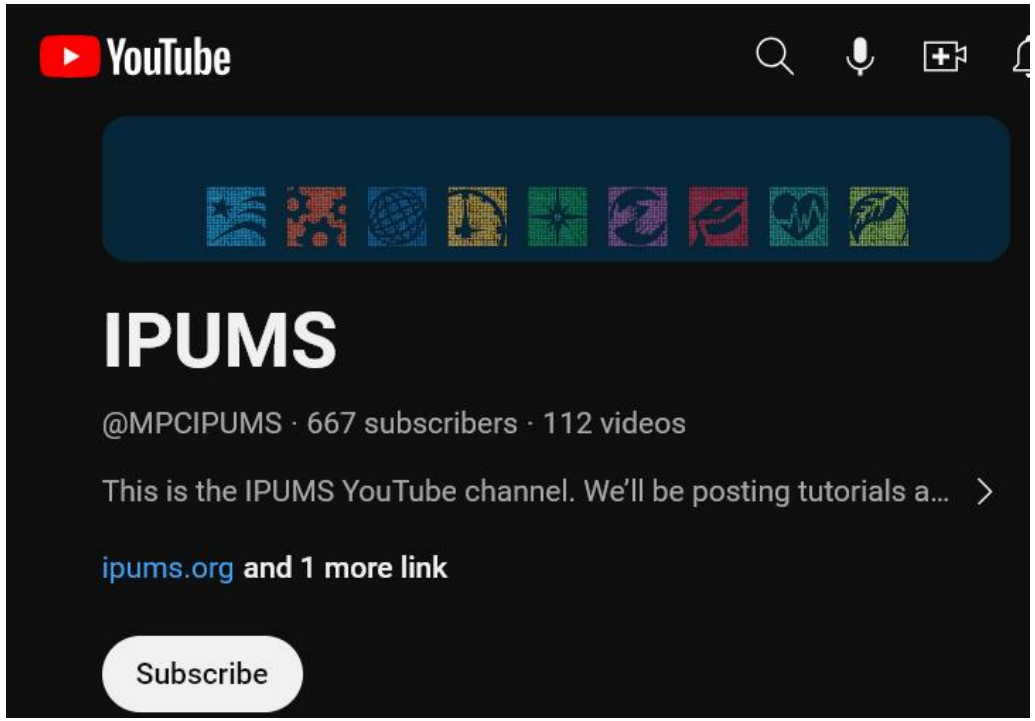




User guide:
https://mics.ipums.org/mics/user_notes.shtml

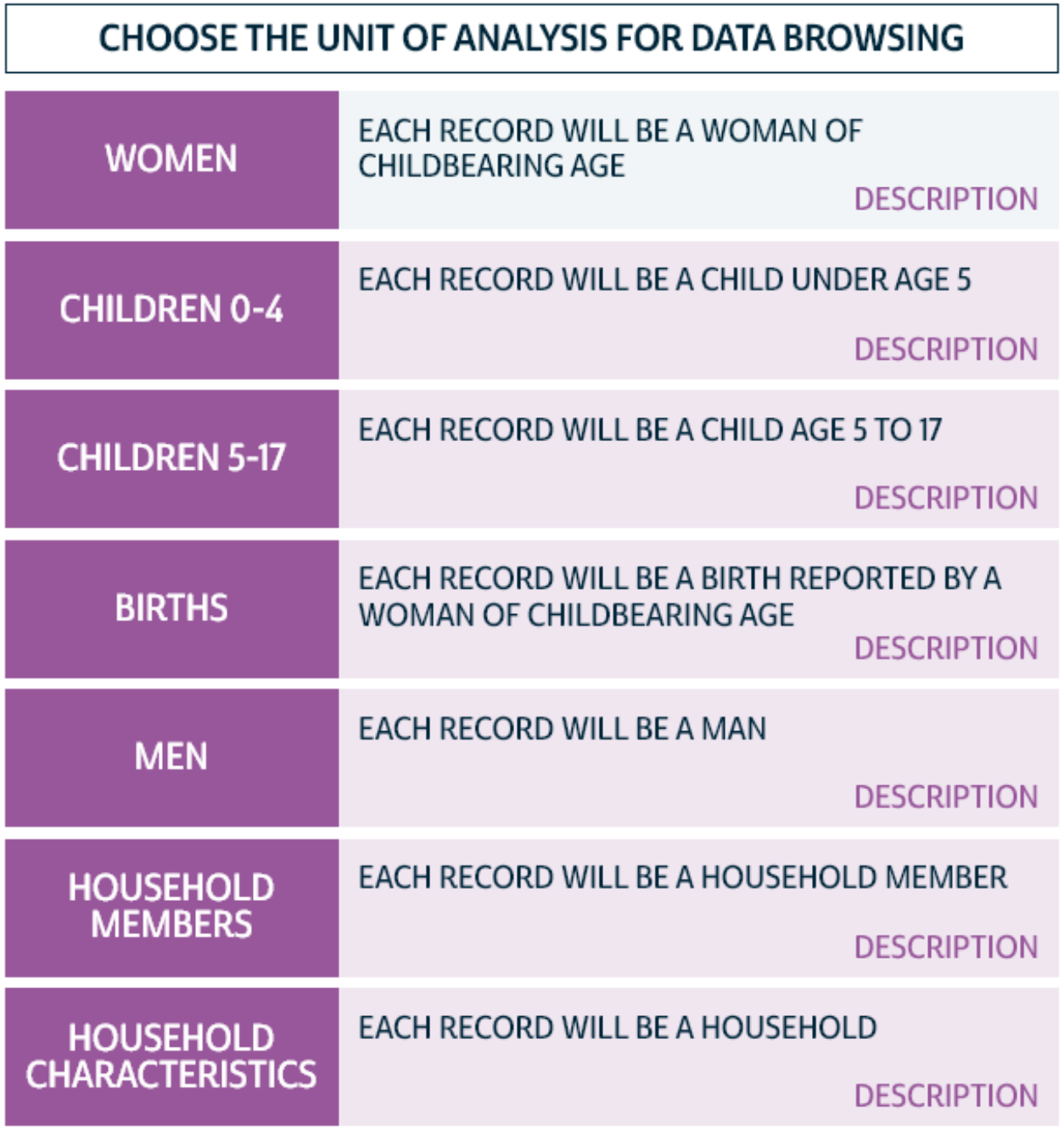
IPUMS Blog:
https://blog.popdata.org/

Lots of resources to learn more!



IPUMS Youtube:
https://www.youtube.com/user/mpcipums

IPUMS User Forum:
https://forum.ipums.org/



Linking across units

- Data are not linked by UNICEF

- User guide on web
  - List of linking variables
  - https://mics.ipums.org/mics/linking.shtml

Working across units of analysis

- Paternal involvement in child-rearing activities predicts life satisfaction of mothers of under-5 children

  Women 15-49: Life satisfaction

  Children 0-4: Does the child's father play, sing, read… to the child?

Working across units of analysis

- Children age 5-17 involved in water fetching activities for the household

  Children 5-17: Child labor, water fetching

  Household Characteristics: Water access, availability

  Household Roster: Info on mother, father, and primary water fetcher in HH

Newly released at IPUMS MICS

New variables

- Child labor
- Alcohol and tobacco use
- Victimization
- Household energy use
- HH assets

More new variables and samples will be released in Summer 2024

New samples

- Afghanistan 2022-2023
- Fiji 2021 – NEW COUNTRY
- Vietnam 2020-2021
- Nigeria 2021
- Uzbekistan 2021-2022
- Thailand 2022
- Pakistan (Balochistan) 2019-2020
- Pakistan (Khyber Pakhtunkhwa) 2019

Tools and resources for users

Coming soon

Conference workshops and webinars

Video tutorials

Data exercises

User notes with code examples

IPUMS MICS

mics.ipums.org

User support: ipums@umn.edu