

Welcome to IPUMS

An Overview of IPUMS Microdata Resources

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Zoom Logistics

- Webinar is being recorded & will be posted
- Real-time closed captions are being auto-generated
 - Turn off/on by clicking “CC” button in Zoom controls
- Send questions about Zoom directly to host (IPUMS)
- Submit content questions with Q&A tool
- Will post written Q&A document following webinar

Amy Grotsun
IPUMS Outreach Coordinator



Grace Cooper
IPUMS User Support



Ivan Strahof
IPUMS User Support

Overview

- Introduction to IPUMS
- IPUMS microdata collections
- Benefits of IPUMS
- Demonstration of IPUMS USA website

What is IPUMS?

- US and international census and survey data
- NIH & NSF funding to improve data accessibility
- Integrated documentation and standardized data to streamline analysis
- Available free of charge

The IPUMS Model

- Data and documentation available via web-based dissemination system
- Create customized data extracts
- Download and analyze microdata
- User support through tutorials, user forum, and dedicated user support team
- Publish outstanding research & cite IPUMS

Microdata

Relation to head Marital status Education Occupation

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000098000100100210000791220220802112039009990099000000001
000098000100200120000642220220802212031009990099000000002
0000980001003000410002311002208022120100083200269000001202
000098000100400041000132100220801212033009990099000000002
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The diagram shows four columns of microdata. The first column is labeled 'Relation to head' in blue, with a blue arrow pointing to a blue box around the value '1000' in the first row. The second column is labeled 'Marital status' in red, with a red arrow pointing to a red box around the value '220' in the first row. The third column is labeled 'Education' in blue, with a blue arrow pointing to a blue box around the value '120' in the first row. The fourth column is labeled 'Occupation' in red, with a red arrow pointing to a red box around the value '990' in the first row. The data is presented as a grid of numbers.



U.S. Census and American Community Survey microdata from 1850 to the present. [Learn More](#)

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IPUMS USA

- U.S. decennial censuses, 1850-2010
- American Community Survey, 2000-2020
- Full count historical census data for 1850-1880, 1900-1940
 - IPUMS MLP links individuals across historical full count censuses



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IPUMS CPS

- Current Population Survey
- Labor force survey with topical supplements
- Basic monthly surveys, 1976-present
- Annual Social and Economic Supplement (ASEC), 1962-present
- Short panel: observe individuals up to 8 times over 16-month period



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IPUMS International

- Census and labor force survey from around the world
- Over 100 countries included
- Modern and historical data
- Geographic identifiers for a consistent spatial footprint and comparability with DHS data



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IPUMS DHS

- Demographic and Health Surveys
- Maternal and child health data for low- and middle-income countries
- 41 countries
- Partnership with the DHS Program and ICF International

IPUMS PMA

- Performance Monitoring for Action
- Family planning data for 11 countries
- Recently switched to providing panel data for family planning
- PMA Data Analysis Hub offers research ideas, sample code, and details on recent data releases
- Data collection funded by the Gates Foundation



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IPUMS Time Use

- American Time Use Survey (ATUS)
 - ATUS time diary data, 2003-2020
- American Heritage Time Use Series (AHTUS)
 - Harmonized time diary data sources, 1965-2018
- Multinational Time Use Series (MTUS)
 - Time diary data from 12 countries, 1965-present

IPUMS NHIS

- National Health Interview Survey
- Annual survey data, 1963-present
- Broad topical coverage alongside detailed demographics
- Linked to mortality data from the National Death Index for 1986-2014

IPUMS MEPS

- Medical Expenditure Panel Survey
- New longitudinal panel begins annually
 - 1996-present
 - 5 interviews over ~2.5 years
- Detailed data on medical expenditures alongside health topics and demographics
- Linkable to NHIS

IPUMS Higher Ed

- Scientists and Engineers Statistical Database (SESTAT), 1993-2013
 - National Survey of College Graduates (NSCG)
 - Survey of Doctorate Recipients (SDR)
 - National Survey of Recent College Graduates (NSRCG)
- Recipients of science and engineering degrees and people working in STEM occupations

Other considerations

- Geographic detail
 - Sub-state for IPUMS USA, IPUMS CPS, IPUMS ATUS
 - Second-admin level for IPUMS International
- Target population
 - All persons for IPUMS USA, IPUMS International
 - Civilian, non-institutionalized for IPUMS CPS, IPUMS ATUS, IPUMS Health Surveys
 - Women of child-bearing age for IPUMS DHS, IPUMS PMA

Reason 1: Harmonization

- A single, consistent data series from datasets collected in different times and places
- Codes group broadly comparable categories while retaining sample-specific detail
- Flag potential comparability issues

Changes to detail in legal marital status in NHIS

Pre-2004 Categories

B = Not in Universe

1 = Married – spouse present

2 = Married – spouse not in household

3 = Married – spouse in household unknown

4 = Widowed

5 = Divorced

6 = Separated

7 = Never Married

2004-forward Categories

B = Not in Universe

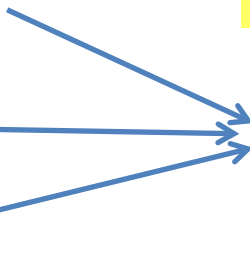
1 = Separated

2 = Divorced

3 = Married

4 = Single/Never Married

5 = Widowed



- The **first digit** of the code is consistent across all years
- The **second digit** of the code contains detail specific to pre-2004 data

Harmonized codes	
00	= Not in Universe
10	= Married
11	= Married – spouse present
12	= Married – spouse not in household
13	= Married – spouse in household unknown
20	= Widowed
30	= Divorced
40	= Separated
50	= Never Married

Reason 2: Custom Data Extracts

- Pool multiple samples together
- Retain only the variables of interest
- Select preferred data format
- Data request history

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 as the basis for defining a new extract). For instructions on downloading and 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 Number	Formatted Date	Fixed-width Text Files					Revise Extract	Resubmit Extract	Description (click to edit)	Hide selections
		Data	Data	Command Files	Codebook					Show all
173	2022-01-03	--	--	-	-	-	revise	resubmit	Revision of (H in NHISHID test) - CSV format	<input type="checkbox"/>
172	2022-01-03	--	--	-	-	-	revise	resubmit	H in NHISHID test	<input type="checkbox"/>
171	2021-12-10	--	--	-	-	-	revise	resubmit	Revision of (depression measures) with age	<input type="checkbox"/>
170	2021-12-09	--	--	-	-	-	revise	resubmit	depression measures	<input type="checkbox"/>
169	2021-08-03	--	--	-	-	-	revise	resubmit	SPSS check for POVERTY label issue via Stat Transfer	<input type="checkbox"/>
168	2021-08-03	--	--	-	-	-	revise	resubmit	Revision of (poverty check (again-- something weird is happening...maybe Stata 17?)) -- CSV formatted version and 2019 only (stat transfer prob? unique to Stata?)	<input type="checkbox"/>
167	2021-08-02	--	--	-	-	-	revise	resubmit	Revision of (poverty check (again-- something weird is happening...maybe Stata 17?)) -- Stata formatted version (stat transfer prob?)	<input type="checkbox"/>
166	2021-08-02	--	--	-	-	-	revise	resubmit	poverty check (again--something weird is happening...maybe Stata 17?)	<input type="checkbox"/>
165	2021-04-21	--	--	-	-	-	revise	resubmit	himilva freq check	<input type="checkbox"/>
164	2021-04-07	--	--	-	-	-	revise	resubmit	racenew racebr comparison	<input type="checkbox"/>
163	2021-03-26	--	--	-	-	-	revise	resubmit	poverty check	<input type="checkbox"/>

Reason 3: Documentation

- Emphasis on comparability
- Documentation associated directly with variables
- Supplemental documentation with additional detail on key topics
- Summary codebooks for custom data extracts

RACE

ADD TO CART

SELECT SAMPLES

Race

Group: [Race, Ethnicity, and Nativity – PERSON](#)

DESCRIPTION

CODES

COMPARABILITY

UNIVERSE

AVAILABILITY

QUESTIONNAIRE TEXT

FLAGS

SOURCE VARIABLES

EDITING PROCEDURE

Comparability

The RACE codes are comparable across years, with three important exceptions: (1) the residual "other race" category is different each year, (2) there have been fluctuations in the way Hispanics are coded, and (3) multiple-race responses (allowed since 2000) have divided major race groups into different RACE codes. In addition, the level of detail has been increasing. In general, Codes and Frequencies for RACE provide information about which categories were not used in a particular year. The 5 percent sample of census 2000, the ACS and the PRCS samples contain less detail than the 1 percent sample of census 2000 (which is shown in the Codes and Frequencies and is used for the small and tiny IPUMS data sets). In the 5 percent sample, the ACS and the PRCS, any category representing fewer than 10,000 people was combined with another category. See [2000 Race Codes](#) for a comparison of the race categories used in the 2000 samples, the ACS and the PRCS.

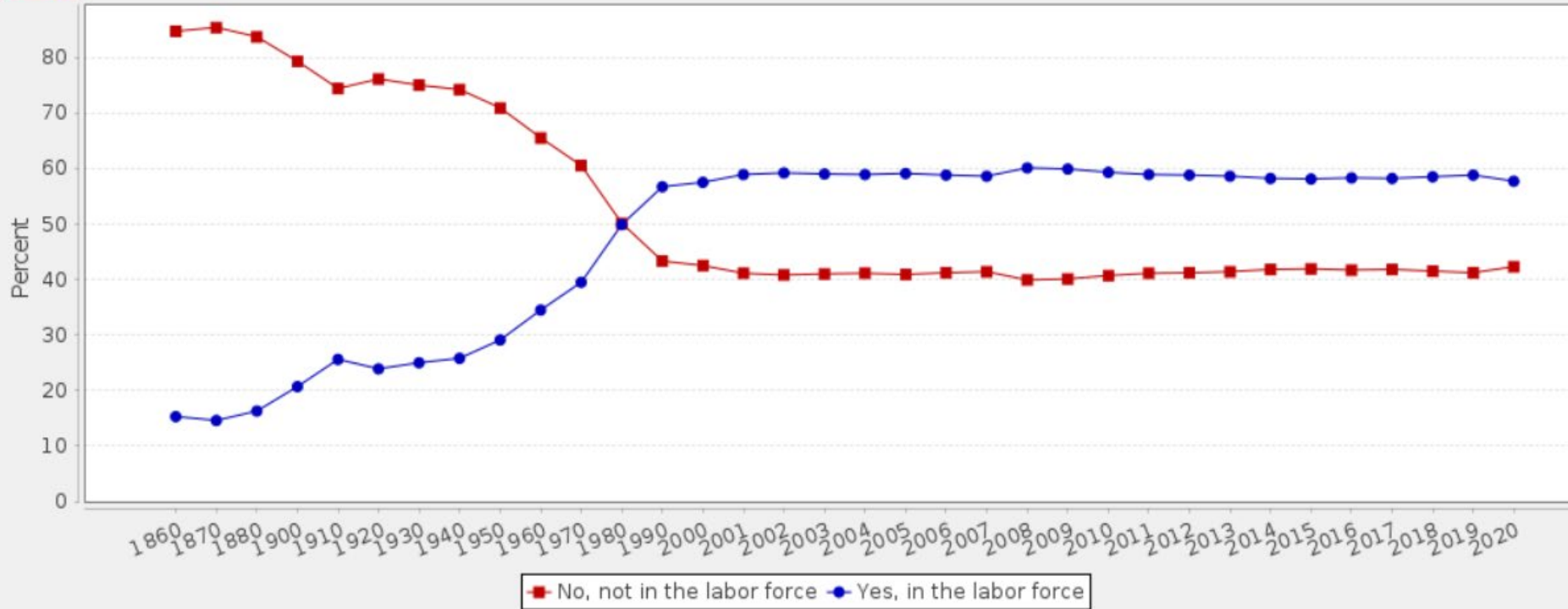
Reason 4: Online Analysis Tool

- Web-based tool for analyzing harmonized IPUMS data
- No need to create a data extract or have access to statistical analysis software
- Export results to CSV

Chart for sex = 2(Female)



Labor force status BY Census year



Reason 5: Data Enhancements

- Family interrelationship variables
- Harmonized occupation and industry coding schemes
- Derived geographic identifiers
- Linking resources

Reason 6: User Support

- Video tutorials
- Sample exercises
- Data user forum
- Email support (ipums@umn.edu)

