Obtaining ACS Microdata from IPUMS

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Summary Data

Age	Both sexes	Male	Female
Total population	281,421,906	138,053,563	143,368,343
Under 5 years	19,175,798	9,810,733	9,365,065
5 to 9 years	20,549,505	10,523,277	10,026,228
10 to 14 years	20,528,072	10,520,197	10,007,875
15 to 19 years	20,219,890	10,391,004	9,828,886
20 to 24 years	18,964,001	9,687,814	9,276,187
25 to 29 years	19,381,336	9,798,760	9,582,576
30 to 34 years	20,510,388	10,321,769	10,188,619
35 to 39 years	22,706,664	11,318,696	11,387,968
40 to 44 years	22,441,863	11,129,102	11,312,761
45 to 49 years	20,092,404	9,889,506	10,202,898
50 to 54 years	17,585,548	8,607,724	8,977,824
55 to 59 years	13,469,237	6,508,729	6,960,508
60 to 64 years	10,805,447	5,136,627	5,668,820
65 to 69 years	9,533,545	4,400,362	5,133,183
70 to 74 years	8,857,441	3,902,912	4,954,529
75 to 79 years	7,415,813	3,044,456	4,371,357
80 to 84 years	4,945,367	1,834,897	3,110,470
85 to 89 years	2,789,818	876,501	1,913,317
90 years and over	1,449,769	350,497	1,099,272

Age **Birthplace**

Sex **Mother's birthplace**

Relationship **Race** **Occupation**

```
H910000240000000088001001000220100
P9100000201010321200010010010011504
P9100000102010362200010010010011999
P9102010003010112200600100100111999
P9102010003010091200600100100111999
P9102010003010071200600100100111999
P9102010003010061200600100100111999
P9102010003010042200600100100111999
P9102010003010032200600100100111999
P9102010003010022200600100100111999
H910000240000000088001001000110100
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P9100000102010212100102902901711999
P9102010003010011100600102902911999
H910000240000000088001001000220100
P9100000201010451200010010010011100
P9100000102010252200010010010011820
P9102010003010072200600100100111999
H910000240000000088001001000220100
P9100000201010491200010010010011100
P9100000102010492200010010010011820
P9102010003010192200600100100111820
P9102010003010152200600100100112820
```

Microdata Structure

Household record (shaded) followed by a person record for each member of the household

For each type of record, columns correspond to specific variables

Benefits of Using Microdata

- More detailed information than published tables
- Easy to explore various topics
- Answer specific questions
- Can look at change over time
- Run person or household level analyses
- Nationally representative

Microdata looks hard to use...
Not with IPUMS!

IPUMS-USA is a project dedicated to collecting and distributing United States census data.

Its goals are to:

- Collect and preserve data and documentation

- Harmonize data

- Disseminate the data absolutely free!

What does IPUMS stand for?

Integrated - consistent codes, labels, and documentation

Public Use - anonymized, downloadable
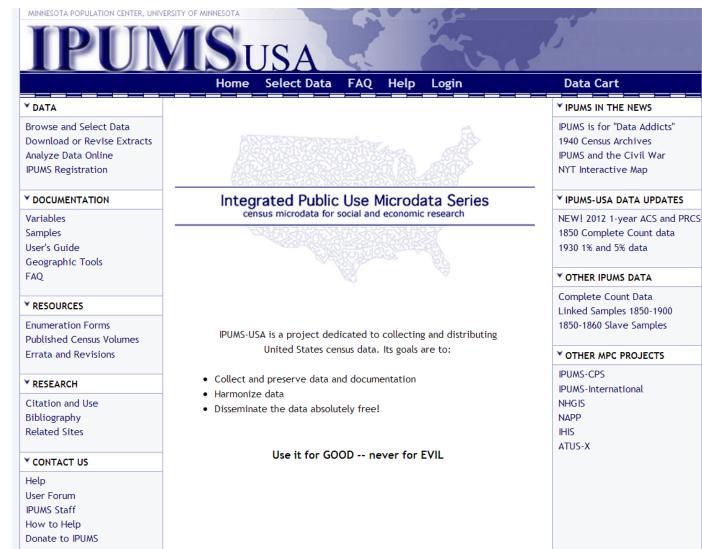
Microdata - individual-level

Series - pooled data over time and place

What IPUMS does:

- Standardize data across years (integration)

- Provide excellent documentation

- Provide data in multiple formats

- Provide "bonus" calculated fields

- Make data freely available online

- Provide user support

https://usa.ipums.org/usa/

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IPUMS USA

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DATA

Browse and Select Data
Download or Revise Extracts
Analyze Data Online
IPUMS Registration

DOCUMENTATION

Variables
Samples
User's Guide
Geographic Tools
FAQ

RESOURCES

Enumeration Forms
Published Census Volumes
Errata and Revisions

RESEARCH

Citation and Use
Bibliography
Related Sites

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Integrated Public Use Microdata Series
census microdata for social and economic research

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United States census data. Its goals are to:

- Collect and preserve data and documentation
- Harmonize data
- Disseminate the data absolutely free!

Use it for GOOD -- never for EVIL

IPUMS IN THE NEWS

IPUMS is for "Data Addicts"
1940 Census Archives
IPUMS and the Civil War
NYT Interactive Map

IPUMS-USA DATA UPDATES

NEW! 2012 1-year ACS and PRCS
1850 Complete Count data
1930 1% and 5% data

OTHER IPUMS DATA

Complete Count Data
Linked Samples 1850-1900
1850-1860 Slave Samples

OTHER MPC PROJECTS

IPUMS-CPS
IPUMS-International
NHGIS
NAPP
IHIS
ATUS-X

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IPUMS-USA

- Database includes public use microdata samples:
  - U.S. decennial censuses (1850-2000)
  - Complete-count dataset for 1880
    - Linked Samples 1850 – 1930
  - Complete-count dataset for 1940
  - Samples from Puerto Rico (1910-2013)
  - American Community Survey (2000-2013)

The American Community Survey

Microdata samples:

- Full survey responses for 1% of US population

- Suppression for confidentiality

  - Names, addresses

  - Income top coding

  - Geographic limitations

- Yearly samples, multi-year samples

- Rolling sample design

ACS Micdrodata Geography

- Public Use Microdata Areas (PUMAs)

- Comprised of approximately 100,000 persons

- Boundaries do not always align with jurisdictional boundaries

- Detailed contents and maps available

- GIS shape files for PUMAs available

Online Extraction System

- Users create custom data files
  - Pick any samples of interest
  - Pick any variables of interest
- Creates custom syntax for reading the data files into SPSS, Stata, SAS, and CSV
  - Labels variables and values within the data
- Codebook available
- Record of extract is preserved on user account

Online Analysis System

- High-speed tabulation software developed at UC-Berkeley

- Allows for analysis of microdata without statistical package

- All analysis performed online

- Can analyze multiple years of data

- Help guides on webpage

Video Tutorials

http://www.youtube.com/user/MPCIPUMS

User Support

- Online training materials: z.umn.edu/popdatatraining

- User Forum: http://answers.popdata.org/

- Email us: ipums@umn.edu

Questions?

Email us with data questions
IPUMS User Support
ipums@umn.edu