Health, Health Insurance, and Disability Statistics from the Census Bureau

Jennifer Cheeseman Day

Nebraska Annual Data Users Conference
9:00 to 10:15 a.m., August 13, 2013

The U.S. Census Bureau Measures the Nation's People, Places, and Economy
What is health?
Health defined:

1. a: the condition of being sound in body, mind, or spirit; especially: freedom from physical disease or pain
   - in poor health
   - enjoys good health
2. a: flourishing condition: WELL-BEING <defending the health of the beloved oceans — Peter Wilkinson>
   - general condition or state <poor economic health>
3. : a toast to someone’s health or prosperity
Google: 2,300,000,000+ results
Census Bureau mission:

...to serve as the leading source of quality data about the nation's people, places, and economy.
HEALTH STATISTICS
and the U.S. Census Bureau
Featuring Eric Newburger
What questions on health can we answer with Census Bureau statistics?

- Social determinants of health
- Health care needs
- Health care expenses and financing
- Supply of health care workers
## Census Bureau Statistics on Health

### Social Determinants of Health
- Age
- Ancestry
- Commuting patterns (distance/time)
- Disability
- Educational attainment
- Employer type (industry, class of work)
- Employment status
- Fertility
- Food stamps receipt
- Grandparents as caregivers
- Household and family composition
- Housing value
- Income and earnings amounts
- Labor force status
- Language spoken and English ability
- Marital status
- Mobility
- Nativity status/citizenship
- Number of children
- Other income sources
- Perceived Health status
- Poverty
- Race and ethnicity
- School enrollment
- Sex
- Transportation to work
- Type of work (occupation)
- Veterans Disability
- Veterans status
- Wealth
- Well-being: basic needs, consumer durables, ability to get help, food security, fear of crime

### Physical Determinants of Health
- Housing
  - Age of housing
  - Plumbing
  - Heating
  - Housing cost (monthly)
  - Housing conditions
- Health insurance costs and financing
  - Health insurance (Insured/not)
  - Types of health insurance
  - Spells of health insurance
  - Employer health insurance take-up
  - Reasons not covered
  - Out-of-pocket spending (MOOP)
  - Family Care
- Health care services
  - Accessability
  - Health Care Workers
    - Number of medical personnel
    - Availability of medical offices/hospitals
  - Types of medical
  - Utilization of health services
Health care needs: Population Counts

Dependency Ratio: 1960 to 2050

Dependency ratio =
(Population under 18 + Population 65 and older) / Population 18-64

A ratio of those typically not in the labor force (dependent part) and those typically in the labor force (the productive part).

Sources: U.S. Census Bureau, decennial censuses 1960-2010, Population Projections 2010-2050, Table NP-T3.
Aging

Figure 7. Median Age by County: 2010

(For information on confidentiality protection, nonsampling error, and definitions, see www.census.gov/prod/cen2010/doc/sf1.pdf)

Source: U.S. Census Bureau, 2010 Census Summary File 1.

U.S. median: 37.2
Would you say (name's/your) health in general is excellent, very good, good, fair, or poor?

- Excellent
- Very good
- Good
- Fair
- Poor

Source: Survey of Income and Program Participation, 2010
Health Status and Medical Utilization

The New York Times

Doctor Visits Dropping, New Census Figures

By SABRINA TAVERNISE
Published: October 1, 2012

WASHINGTON — Americans of working age are going to the doctor less frequently than they were 10 years ago, according to a new report by the Census Bureau.

In 2010, people age 18 to 64 made an average of 3.9 visits to doctors, nurses and other medical professionals, down from 4.8 visits in 2001, said the report, which was released on Monday.

The precise reasons for the decline were unclear, said Brett O’Hara, an official at the Census Bureau and a co-author of the report. But the changing demographics of the American population most likely had something to do with it.

Figure 2.
Annual Medical Provider Visits Among People Aged 18 to 64 by Health Status: 2001 to 2010

Note: Data on medical services utilization are not available in the SIPP for 2006, 2007, and 2008.
Source: U.S. Census Bureau, Survey of Income and Program Participation, 2001 Panel, waves 3, 6, and 9; 2004 Panel, waves 3 and 6; and 2008 Panel, waves 4 and 7.

SIPP
Fertility


ACS CPS June supplement SIPP

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
People with Disabilities

Total U.S. population: 303.9 million
People with disabilities: 56.7 million

People with disabilities are less likely to be employed
- With a disability: 33%
- With no disability: 73%

People with disabilities are more likely to be in poverty
- With a disability: 23%
- With no disability: 12%

People with disabilities are more likely to have health insurance
- With a disability: 90%
- With no disability: 84%

People with disabilities earn less
- Median earnings: $19,735
- With no disability: $30,285

Source: Americans with Disabilities: 2010 report, data from Survey of Income and Program Participation; and American Community Survey
ACS Disability Questions

Figure 1. Disability Status and Type: 2009

- With a disability
- Vision difficulty
- Hearing difficulty
- Cognitive difficulty
- Ambulatory difficulty
- Self-care difficulty
- Independent living difficulty

Note: Data are for the civilian noninstitutionalized population aged 16 to 64 years. This excludes people in correctional facilities, nursing homes, other institutions, and the armed forces.

Disability Prevalence by State

Source: U.S. Census Bureau, 2010 American Community Survey
How Common are Specific Disabilities?

- Difficulty walking/climbing stairs: 30.6 million
- Require assistance of others with everyday tasks: 12.0 million
- Vision difficulty (partial or total): 8.1 million
- Hearing difficulty: 7.6 million
- Using a wheelchair: 3.6 million
- Alzheimer’s, senility or dementia: 2.4 million

Source: Americans with Disabilities: 2010, from Survey of Income and Program Participation
Percentage of People with a Disability

With a disability: 18.7%, 18.7%
Severe disability: 12.0%, 12.6%
Needed assistance: 4.1%, 4.4%

Source: U.S. Census Bureau, Survey of Income and Program Participation, 2004 and 2008 Panels, Adult and Child Functional Limitations Topical Module
Disability Prevalence by Age: 2010

<table>
<thead>
<tr>
<th>Age</th>
<th>With a disability</th>
<th>Severe disability</th>
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<tbody>
<tr>
<td>Under 15</td>
<td>8.4%</td>
<td>4.2%</td>
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<td>15 to 24</td>
<td>10.2%</td>
<td>5.3%</td>
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<tr>
<td>24 to 44</td>
<td>11.0%</td>
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<td>45 to 54</td>
<td>19.7%</td>
<td>13.8%</td>
</tr>
<tr>
<td>55 to 64</td>
<td>28.7%</td>
<td>20.4%</td>
</tr>
<tr>
<td>65 to 69</td>
<td>35.0%</td>
<td>24.7%</td>
</tr>
<tr>
<td>70 to 79</td>
<td>42.6%</td>
<td>29.6%</td>
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<tr>
<td>75 to 79</td>
<td>53.6%</td>
<td>37.5%</td>
</tr>
<tr>
<td>80 and over</td>
<td>70.5%</td>
<td>55.8%</td>
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</tbody>
</table>

Source: U.S. Census Bureau, Survey of Income and Program Participation, 2008 Panel, Adult and Child Functional Limitations Topical Module
Unemployment Rate
Adults 16 to 64 with a Work Disability

Note: People with a work disability represent a subset of the larger population of people with disabilities. Shaded areas indicate periods of recession as determined by NBER.
Employment to Population Ratios for People 18 to 64 years with a Disability by State

Source: U.S. Census Bureau, 2010 American Community Survey
Veterans: Service Connected Disability

Service Connected Disability Among Veterans: 2011

Disability Rating Among Veterans with a Service Rating: 2011

- Has no service-connected disability rating
- Has a service-connected disability rating:
  - Rating not reported
  - 70 percent or higher
  - 50 or 60 percent
  - 30 or 40 percent
  - 10 or 20 percent
  - 0 percent
Health Insurance by type and across time

Percent of Population Under 65 Without Health Insurance: 1999 to 2011

U.S.
17.9 percent

Nebraska
14.1 percent

Health Insurance by type, small geography, many variables

American Community Survey (ACS)
Small Geography by Insured/Not insured

**Small Area Health Insurance Estimates (SAHIE)**

For States and Counties:
- Age groups: 0-64, 18-64, 40-64, 50-64
- Sex
- Race:
  - White alone (non-Hispanic),
  - Black alone (non-Hispanic),
  - Hispanic (any race)
- Income:
  - less than or equal to: 138, 200, 250, 400 percent of poverty threshold
- For Children (0-18):
  - less than or equal to: 138, 200, 250, 400 percent of poverty threshold
Medical Out Of Pocket Expenses
25 percent of employed women have taken an extended break from work of 6 months or longer to care for family members.

Sex of Caregivers
(Percent distribution of employed workers who had work interruption for family care)

- Women: 93.1%
- Men: 6.9%

Type of Family Care
(Percent distribution of employed women who had work interruption for family care)

- Care for child: 94.7%
- Care for elder relative: 3.8%
- Care for disabled relative: 1.5%

Note: Among workers aged 25 to 62.
Supply of health care workers

Industry and Occupation

Industry

Occupation

ACS SIPP CPS

Write-ins, coded SOC / NAICS
Health care occupations

Source: American Community Survey, 2011.
# Subnational Economic Data Sources

## About Businesses and Governments

<table>
<thead>
<tr>
<th>Program name</th>
<th>Metro areas</th>
<th>Counties</th>
<th>Cities</th>
<th>Zip codes</th>
<th>Latest data</th>
<th>Content</th>
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<td>Sales, employment, payroll for establishments</td>
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<td>2007</td>
<td>Sales, employment, payroll for firms by sex and ethnicity of owner</td>
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<td>Statistics of U.S. Businesses</td>
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<td>2009</td>
<td>Employment and payroll for firms by employment size</td>
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<td>2009</td>
<td>Births, deaths, expansions, contractions for establishments</td>
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<td></td>
<td>2010</td>
<td>Employment and payroll for establishments; employment size</td>
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<td>ZIP Code Business Patterns</td>
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<td>2010</td>
<td>Establishments by employment size by detailed industry</td>
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<td>Receipts for establishments with no paid employees</td>
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<td>Local Employment Dynamics</td>
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<td>2011</td>
<td>Quarterly employment, job creation, earnings by age, sex &amp; sector</td>
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<td>Building Permits</td>
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<td>2012</td>
<td>Number of housing units authorized by building permits by size</td>
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<td>Governments</td>
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<td>x</td>
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<td>2010</td>
<td>Federal, state, and local governments and activities</td>
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</table>

**United States Census Bureau**

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

**NAICS Industry Code: 62 Health Care and Social Assistance**
County Business Patterns

County Business Patterns: 2010
Health Care and Social Assistance
Change in Number of Establishments by County, 2009 to 2010

Source: U.S. Census Bureau, County Business Patterns (www.census.gov/ce/cbpa)
EEO Tabulation

Shifting shares in occupations by sex

Excerpt from "Using the EEO Tabulation to Examine 21st Century Workforce Diversity" available at:

For each occupation group, the change in representation is shown by color and intensity. The deeper the color, the larger the shift.

- Gains in percent male
- No Change
- Gains in percent female

Women increased their share of dentists, veterinarians, pharmacists and physicians.

Men’s representation continued to grow in computer occupations.

Leading Occupations

Men:
- Truck drivers...........................................3.2M
- Miscellaneous managers........................2.1M
- Freight, stock, and material moving............1.9M

Women:
- Secretaries and administrative assistants.....3.8M
- Cashiers................................................2.8M
- Elementary and middle school teachers........2.7M
Disability Employment Tabulation

[Table with details on disability employment by race/ethnicity and sex]

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
Which source best fits your needs?

• Decennial Census, Population Estimates
• American Community Survey
• Current Population Survey
• Survey of Income and Program Participation
• Small Area Poverty and Health Insurance Estimates (SAIPE, SAHIE)
• Economic Business data
## Content and Geography

<table>
<thead>
<tr>
<th>Demographics</th>
<th>People</th>
<th>Businesses</th>
<th>Economic business data</th>
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<td>Race/ethnicity</td>
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<td>Worksite</td>
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</tbody>
</table>

**Sample**
- Census: 3 million addresses
- 100,000 addresses
- 94,000 people modeled
- Business register

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U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU

36
Census 2010
Demographics Across Geographies

- Number of people
- Where they live
- Age
- Sex
- Race
- Hispanic origin
- Relationship in household
- Rent or own home

http://2010.census.gov/2010census/
## Population Estimates

<table>
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<th>Level of Geography</th>
<th>Level of Detail</th>
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<td>Nation</td>
<td>Total population</td>
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<td>Population by age, sex, race, and Hispanic origin</td>
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<td>States</td>
<td>Total population</td>
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<tr>
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<td>Population by age, sex, race, and Hispanic origin</td>
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<tr>
<td>Counties</td>
<td>Total population</td>
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<tr>
<td></td>
<td>Population by age, sex, race, and Hispanic origin</td>
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<tr>
<td>Cities and Towns (Incorporated Places and Minor Civil Divisions)</td>
<td>Total population</td>
</tr>
<tr>
<td>Metropolitan and Micropolitan Statistical Areas</td>
<td>Total population</td>
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<tr>
<td>Puerto Rico Commonwealth</td>
<td>Total population</td>
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<tr>
<td></td>
<td>Population by age and sex</td>
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<td>Puerto Rico Municipios</td>
<td>Total population</td>
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<td></td>
<td>Population by age and sex</td>
</tr>
<tr>
<td>Housing Units</td>
<td>Total</td>
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</tbody>
</table>

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
Current Population Survey
Annual Social and Economic Supplement

- Official Poverty Rate
- Detailed income sources and amounts
- Health insurance and type
- Medical Out-of-Pocket expenses
- Health Status
- Labor force detail
- Household/family relationships (parent pointers)
- Two year averages for states
- Historical

Uninsured Rates by Age: 2010 and 2011

American Community Survey: Content

<table>
<thead>
<tr>
<th>Demographic Characteristics</th>
<th>Social Characteristics</th>
<th>Housing Characteristics</th>
<th>Economic Characteristics</th>
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<tbody>
<tr>
<td>Age</td>
<td>Marital Status and Marital History*</td>
<td>Year Structure Built</td>
<td>Income</td>
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<td>Sex</td>
<td>Fertility</td>
<td>Units in Structure</td>
<td>Food Stamps Benefit</td>
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<td>Hispanic Origin</td>
<td>Grandparents as Caregivers</td>
<td>Year Moved Into Unit</td>
<td>Labor Force Status</td>
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<td>Race</td>
<td>Ancestry</td>
<td>Rooms</td>
<td>Industry, Occupation, and Class of Worker</td>
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<td>Relationship to Householder (e.g., spouse)</td>
<td>Place of Birth, Citizenship, and Year of Entry</td>
<td>Bedrooms</td>
<td>Place of Work and Journey to Work</td>
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<td>Language Spoken at Home</td>
<td>Kitchen Facilities</td>
<td>Work Status Last Year</td>
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<td>Educational Attainment and School Enrollment</td>
<td>Plumbing Facilities</td>
<td>Vehicles Available</td>
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<td>Residence One Year Ago</td>
<td>House Heating Fuel</td>
<td>Health Insurance Coverage*</td>
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<td>Veteran Status, Period of Military Service, and VA Service-</td>
<td>Telephone Service Available</td>
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<td>Connected Disability Rating*</td>
<td>Farm Residence</td>
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<td></td>
<td>Disability</td>
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- Source: U.S. Census Bureau.
### Geography of ACS

#### Table 3. Major Geographic Areas and Type of ACS Estimates Received

<table>
<thead>
<tr>
<th>Type of geographic area</th>
<th>Total number of areas</th>
<th>Percent of total areas receiving...</th>
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<tbody>
<tr>
<td></td>
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<td>1-year, 3-year, &amp; 5-year estimates</td>
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<td>States and District of Columbia</td>
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<td>Congressional districts</td>
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<td>Public Use Microdata Areas</td>
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<td>Metropolitan statistical areas</td>
<td>363</td>
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<td>Micropolitan statistical areas</td>
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<td>Counties and county equivalents</td>
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<td>Urban areas</td>
<td>3,607</td>
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<td>School districts (elementary, secondary, and unified)</td>
<td>14,120</td>
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<td>American Indian areas, Alaska Native areas, and Hawaiian homelands</td>
<td>607</td>
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<td>Places (cities, towns, and census designated places)</td>
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<td>Townships and villages (minor civil divisions)</td>
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<td>ZIP Code tabulation areas</td>
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*New in 2012*
Survey of Income and Program Participation

- Cross-sectional and longitudinal
- Transitions, churning
- Core and Topical Module questions
- Focus on low-income
- 3, 4, and 5 year panels, since 1984
- Follows people when they move
- National level primarily, state
- Current panel started 2008
- Re-designed SIPP 2014
### Health care needs:

<table>
<thead>
<tr>
<th>Topic</th>
<th>CPS-ASEC</th>
<th>ACS</th>
<th>SIPP</th>
<th>SAHIE</th>
<th>Decennial Census &amp; Estimates</th>
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<td>Disability</td>
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<tr>
<td>Fertility</td>
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<td>Health status</td>
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<tr>
<td>Utilization of health services</td>
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<tr>
<td>Veterans Disability</td>
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### Health care costs and financing:

#### Health insurance

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<th>SAHIE</th>
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<td>Types of health insurance</td>
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<td>Spells of health insurance</td>
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<td>Health Insurance Unit (dependents)</td>
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<td>Reasons not covered</td>
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<td>Family Care</td>
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### Supply of health care workers:

<table>
<thead>
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<th>CPS-ASEC</th>
<th>ACS</th>
<th>SIPP</th>
<th>SAHIE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Care Workers</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>
Coming December 5, 2013

Health Insurance and Disability Statistics for all Geographies from the ACS 5-year file
Thematic Map of Percent; HEALTH INSURANCE COVERAGE - No health insurance coverage
Geography: by Place within State

Legend

Data Classes
Percent
10.9 - 10.9
15.4 - 15.4

Boundaries
State
11 County

Features
Major Road
Street
Stream/Waterbody
Items in grey text are not visible at this zoom level

Modify the map using the options below:

Colors and Data Classes
Boundaries and Features
Find a Location
Map Markers

Places

Source: U.S. Census Bureau, 2009-2011 American Community Survey

Explanation of Symbols:
An "**" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.

An "-" entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate.
Thematic Map of Percent; PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL - All people
Geography: by County

Source: U.S. Census Bureau, 2009-2011 American Community Survey

Explanation of Symbols:
An "**" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus
Census Tracts

Source: U.S. Census Bureau, 2007-2011 American Community Survey

Explanation of Symbols:
An "**" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute and thus the margin of error. A statistical test is not appropriate.
### Health Insurance Base Tables in ACS 5-year file

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>B27001</td>
<td>Health Insurance Coverage Status By Sex By Age</td>
</tr>
<tr>
<td>B27002</td>
<td>Private Health Insurance Status By Sex By Age</td>
</tr>
<tr>
<td>B27003</td>
<td>Public Health Insurance Status By Sex By Age</td>
</tr>
<tr>
<td>B27011</td>
<td>Health Insurance Coverage Status And Type By Employment Status By Age</td>
</tr>
<tr>
<td>B27015</td>
<td>Health Insurance Coverage Status And Type By Household Income In The Past 12 Months</td>
</tr>
<tr>
<td>B27019</td>
<td>Health Insurance Coverage Status And Type By Age By Educational Attainment</td>
</tr>
<tr>
<td>B27020</td>
<td>Health Insurance Coverage Status And Type By Citizenship Status</td>
</tr>
<tr>
<td>B27022</td>
<td>Health Insurance Coverage Status By Sex By Enrollment Status For Young Adults Aged 19 To 25</td>
</tr>
<tr>
<td>C27001A-I</td>
<td>Health Insurance Coverage Status By Age (for race and Hispanic Origin)</td>
</tr>
<tr>
<td>C27004</td>
<td>Employer-Based Health Insurance By Sex By Age</td>
</tr>
<tr>
<td>C27005</td>
<td>Direct-Purchase Health Insurance By Sex By Age</td>
</tr>
<tr>
<td>C27006</td>
<td>Medicare Coverage By Sex By Age</td>
</tr>
<tr>
<td>C27007</td>
<td>Medicaid/Means-Tested Public Coverage By Sex By Age</td>
</tr>
<tr>
<td>C27008</td>
<td>Tricare/Military Health Coverage By Sex By Age</td>
</tr>
<tr>
<td>C27009</td>
<td>Va Health Care By Sex By Age</td>
</tr>
<tr>
<td>C27010</td>
<td>Types Of Health Insurance Coverage By Age</td>
</tr>
<tr>
<td>C27012</td>
<td>Health Insurance Coverage Status And Type By Work Experience By Age</td>
</tr>
<tr>
<td>C27016</td>
<td>Health Insurance Coverage Status By Ratio Of Income To Poverty Level In The Past 12 Months By Age</td>
</tr>
</tbody>
</table>
## Disability Base Tables in ACS 5-year file

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>B18101</td>
<td>Sex By Age By Disability Status</td>
</tr>
<tr>
<td>B18101A-I</td>
<td>Age By Disability Status (for race and Hispanic Origin)</td>
</tr>
<tr>
<td>B18102</td>
<td>Sex By Age By Hearing Difficulty</td>
</tr>
<tr>
<td>B18103</td>
<td>Sex By Age By Vision Difficulty</td>
</tr>
<tr>
<td>B18104</td>
<td>Sex By Age By Cognitive Difficulty</td>
</tr>
<tr>
<td>B18105</td>
<td>Sex By Age By Ambulatory Difficulty</td>
</tr>
<tr>
<td>B18106</td>
<td>Sex By Age By Self-Care Difficulty</td>
</tr>
<tr>
<td>B18107</td>
<td>Sex By Age By Independent Living Difficulty</td>
</tr>
<tr>
<td>B18135</td>
<td>Age By Disability Status By Health Insurance Coverage Status</td>
</tr>
<tr>
<td>B18140</td>
<td>Median Earnings In The Past 12 Months By Disability Status By Sex For The Civilian Noninstitutionalized Population 16 Years And Over With Earnings</td>
</tr>
<tr>
<td>C18108</td>
<td>Age By Number Of Disabilities</td>
</tr>
<tr>
<td>C18120</td>
<td>Employment Status By Disability Status</td>
</tr>
<tr>
<td>C18121</td>
<td>Work Experience By Disability Status</td>
</tr>
<tr>
<td>C18130</td>
<td>Age By Disability Status By Poverty Status</td>
</tr>
<tr>
<td>C18131</td>
<td>Ratio Of Income To Poverty Level In The Past 12 Months By Disability Status</td>
</tr>
</tbody>
</table>
How to access these data?

WWW.CENSUS.GOV

- **Reports and Papers**
  - Subject Census web page
  - Survey Census Web page: ACS, SIPP, CPS
  - Working papers and conference papers

- **Tables and Table packages**
  - Subject Area Census web page
  - On-line data tools, e.g., American FactFinder (AFF)

- **Unit Record Data** -- PUMS files for ACS, SIPP, CPS
  - DataFerret
  - CPS Table Generator
Easy Access to Census Statistics

• American Fact Finder
• SAIHE Interactive Data and Mapping Tool
• API
  – Easy Stats
  – My Congressional District
  – Quick facts
Your source for population, housing, economic, and geographic information

Search using the options below:

Topics
(age, income, year, dataset, ...)

Geographies
(states, counties, places, ...)

Race and Ethnic Groups
(race, ancestry, tribe)

Industry Codes
(NAICS industry, ...)

Quick Start

Enter search term(s) and click 'GO'

- topic or table name
- state, county or place (optional)
- topics
- race/ancestry
- industries

Or use the options on the left to begin your search
SAHIE Interactive Data Tool

Small Area Health Insurance Estimates (SAHIE)

Quick Links
- About SAHIE
- Frequently Asked Questions
- Publications
- Contact Us

Interactive Data and Mapping Tool

Model-based Small Area Health Insurance Estimates (SAHIE) for Counties and States

The Small Area Health Insurance Estimates (SAHIE) program of the U.S. Census Bureau produces model-based estimates of people with and without health insurance for all counties and states, regardless of population size, and for demographic and income subgroups. It is the only source of single-year health insurance estimates for every county in the U.S. SAHIE data can be used to analyze geographic variation in health insurance coverage, as well as disparities in coverage by race/ethnicity, sex, age and income level. Because consistent estimates are available from 2008 on, SAHIE can reveal changes over time.

Latest Release

The 2011 County and State Health Insurance Estimates by Demographic and Income Characteristics were released in August 2013.

- 2011 SAHIE Highlights [PDF - 2M]
- Health Insurance Data
- Methodology
### SAHIE Interactive Tool Data Tab

#### Small Area Health Insurance Estimates

<table>
<thead>
<tr>
<th>Year</th>
<th>ID</th>
<th>Name</th>
<th>Demographic Group</th>
<th>Number</th>
<th>MOE</th>
<th>Number</th>
<th>MOE</th>
<th>%</th>
<th>%MOE</th>
<th>Number</th>
<th>MOE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>31000</td>
<td>Nebraska</td>
<td></td>
<td>164,090</td>
<td>3,578</td>
<td>51,302</td>
<td>2,939</td>
<td>31.3</td>
<td>1.7</td>
<td>112,788</td>
<td>3,732</td>
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<tr>
<td>2010</td>
<td>31001</td>
<td>Adams County</td>
<td></td>
<td>2,879</td>
<td>187</td>
<td>976</td>
<td>181</td>
<td>33.9</td>
<td>5.8</td>
<td>1,903</td>
<td>203</td>
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<tr>
<td>2010</td>
<td>31003</td>
<td>Antelope County</td>
<td></td>
<td>1,653</td>
<td>44</td>
<td>200</td>
<td>38</td>
<td>30.6</td>
<td>5.5</td>
<td>453</td>
<td>47</td>
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<tr>
<td>2010</td>
<td>31005</td>
<td>Arthur County</td>
<td></td>
<td>53</td>
<td>4</td>
<td>16</td>
<td>4</td>
<td>30.3</td>
<td>6.5</td>
<td>37</td>
<td>4</td>
</tr>
<tr>
<td>2010</td>
<td>31007</td>
<td>Banner County</td>
<td></td>
<td>77</td>
<td>6</td>
<td>26</td>
<td>5</td>
<td>33.6</td>
<td>6.2</td>
<td>51</td>
<td>6</td>
</tr>
<tr>
<td>2010</td>
<td>31009</td>
<td>Blaine County</td>
<td></td>
<td>73</td>
<td>5</td>
<td>27</td>
<td>5</td>
<td>36.6</td>
<td>6.9</td>
<td>46</td>
<td>6</td>
</tr>
<tr>
<td>2010</td>
<td>31011</td>
<td>Boone County</td>
<td></td>
<td>445</td>
<td>34</td>
<td>120</td>
<td>25</td>
<td>27.0</td>
<td>5.2</td>
<td>325</td>
<td>34</td>
</tr>
<tr>
<td>2010</td>
<td>31013</td>
<td>Box Butte County</td>
<td></td>
<td>1,010</td>
<td>76</td>
<td>309</td>
<td>66</td>
<td>30.6</td>
<td>6.0</td>
<td>701</td>
<td>80</td>
</tr>
</tbody>
</table>

#### Select Your Search Criteria Below:

- **Year:** 2010
- **Geography:** Nebraska
- **Age:** 18 to 64 years
- **Race:** All Races
- **Sex:** Female Only
- **Income:** <= 200% of Poverty
- **Percent: Uninsured**
  - Insured
  - Uninsured

**Percent:** 23%

**Reset**

United States Census Bureau

Economics and Statistics Administration

U.S. CENSUS BUREAU
SAHIE Interactive Data Tool Map
SAHIE Interactive Data Tool Trends
APIs provide new methods of data dissemination

API Serves the Requested Data linked in the Dataweb

Web Applications API enabled

Mobile Applications

Sunlight Foundation’s Sitegeist
APIs: Spurring innovation around Census statistics

How are we doing?

API launched July 26, 2012

200 Million API calls to date

3,100 developer keys distributed

High-value data sets with thousands of data items
  • American Community Survey
  • 113th Congressional District
  • 1990, 2000, 2010 Census

850 members of the online developer forum
APIs: Online resources

Website

• Technical documentation
• Example code
• Applications
  – Example using age data
  – Point to good apps that use the APIs

Developer Forum

• Build a community around Census APIs.
• Feedback loop for enhancements, requests
• Let developers showcase their apps
• A place to suggest apps and collaborate on ideas
Easy Stats: Thematic access to ACS data

Live on www.census.gov/easystats/

1. Select Geography
   
   Optional:
   Refine by:
   - County
   - Place
   - Congressional District
   
   California
   Los Angeles city

2. Choose a topic:
   - Financial
   - Jobs
   - Housing
   - People
   - Education
   
   Current Table: None

3. Get Results
   Clear Choices

About Easy Stats

Easy Stats gives you quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey. With the American Community Survey, detailed demographic and economic statistics are available every year for the nation’s communities and their people.

This interactive tool provides the latest statistics about where you live. You can search different geographies including states, counties, incorporated places (towns/cities), census designated places (CDP) and even your congressional district. With Easy Stats, you can view detailed racial, age and sex breakdowns and much more.

Powered by
The American Community Survey
and Census API

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
### Poverty Status in the Past 12 Months

**By sex by age**

**Aurora city, Nebraska**

*Powered by The American Community Survey*

#### Total:

<table>
<thead>
<tr>
<th>Income in the past 12 months below poverty level:</th>
<th>One Race</th>
<th>Native Hawaiian and Other Pacific Islander</th>
<th>Some Other Race</th>
<th>Hispanic or Latino (any race)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total:</td>
<td>4,297</td>
<td>61</td>
<td>68</td>
<td>132</td>
</tr>
<tr>
<td>Male:</td>
<td>445</td>
<td>0</td>
<td>0</td>
<td>128</td>
</tr>
<tr>
<td>Under 5 years</td>
<td>117</td>
<td>0</td>
<td>0</td>
<td>93</td>
</tr>
<tr>
<td>5 years</td>
<td>11</td>
<td>0</td>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>6 to 11 years</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>12 to 14 years</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>15 years</td>
<td>16</td>
<td>0</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td>16 and 17 years</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>18 to 24 years</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

*Display Margin of Error*
My Congressional District

http://www.census.gov/mycd/
New QuickFacts Data Tool
Tables, maps, charts. Customize, share, embed, download.
How do I find all this?
New Topic Based Web Pages
Nesting under broad topics
Health Page

Health statistics are increasingly important in measuring the nation's overall well-being. The Census Bureau provides accurate, detailed and up-to-date statistics—covering people and business—relating to health in America.

- Disability
- Expenses & Investments
- Fertility
- Health Care Industries
- Health Insurance Estimates
- HIV/AIDS
- Social Assistance Industries

Latest

About 6 in 10 Recent Moms in Their Early 20s are Unmarried, Census Bureau Reports
June 12, 2013
As of 2011, 62 percent of women age 20 to 24 who gave birth in the previous 12 months were unmarried, according to a report by the U.S. Census Bureau.

Workers with a Disability Less Likely to be Employed, More Likely to Hold Jobs with Lower Earnings, Census Bureau Reports
March 14, 2013
Individuals with disabilities were less likely to be employed than individuals without disabilities.
Research and Future Enhancements
Health Insurance Question Changes in the CPS ASEC

March 2013 CPS Content Test

- Redesign of health insurance coverage types
  - Improve all year coverage measure
  - Add point-in-time coverage measure

- New questions to measure Exchange participation
  - Non employer based
  - Employer based

- New questions on employer offered health insurance coverage
Small Area Estimates Development Project

Use model-based methods to combine the geographic detail from the ACS with the topical detail from a national-level survey

- State/County estimates of:
  - Severe/not severe disability
  - Wheelchair use
  - Special Education Services Use
  - ADL/IADLs
  - Others

- An evaluation project
  - To determine if this method can yield useful results

- Part of a larger effort in using/improving SAE methods
Upcoming Release Schedule

2011 Small Area Health Insurance Estimates
August 2013. Estimates of health insurance for States and counties.

2012 Income, Poverty, and Health Insurance: 2012
Tuesday, Sept. 17, 2013. Estimates of health insurance for nation and states.

2012 American Community Survey one-year statistics
Thursday, Sept. 19, 2013. Estimates will be available for the nation, all 50 states, the District Columbia, Puerto Rico, every congressional district, every metropolitan area, and all counties and places with populations of 65,000 or more.

2010-2012 American Community Survey three-year statistics
Thursday Oct. 24, 2013. The estimates will cover all geographic areas with populations of 20,000 or more. For the first time, comparison profiles will be available for the three-year estimates. These will permit users to compare two non-overlapping three-year periods (2007-2009 versus 2010-2012) and see which changes were statistically significant.

2008-2012 American Community Survey five-year statistics
Thursday Dec. 5, 2013. These statistics are available for all areas regardless of population size, down to the block group.
For more information

www.census.gov

Jennifer Cheeseman Day
Assistant Division Chief for Employment Characteristics
Social, Economic, and Housing Statistics Division

Jennifer.Cheeseman.Day@Census.gov
301-763-3399