

# Health Data from the Census Bureau: People

Jennifer Cheeseman Day

State Data Center Annual Meeting  
October 17, 2012



	Current Population Survey (CPS-ASEC)	American Community Survey (ACS)	Survey of Income and Program Participation (SIPP)	Small Area Health Insurance Estimates (SAHIE)	Decennial Census & Estimates
--	---	--	---	---	------------------------------------

### Health care needs:

Aging and population trends	X	X	X	X	X
Disability	X	X	X		
Fertility	X	X	X		
Health status	X		X		
Utilization of health services			X		
Veterans Disability	X	X			

### Health care costs and financing:

Health insurance					
Have or not have health insurance	X	X	X	X	
Types of health insurance	X	X	X		
Spells of health insurance			X		
Health Insurance Unit (dependents)	X		X		
Reasons not covered			X		
Out-of-pocket spending (MOOP)	X		X		
Family Care			X		

### Supply of health care workers:

Health Care Workers	X	X	X		
---------------------	---	---	---	--	--

### Geography:

Nation/Region	X	X	X	X	X
State	X	X		X	X
Substate		X		X	X

### Sample size

100,000 addresses	3 million addresses	94,000 people	modeled	Census
----------------------	------------------------	---------------	---------	--------

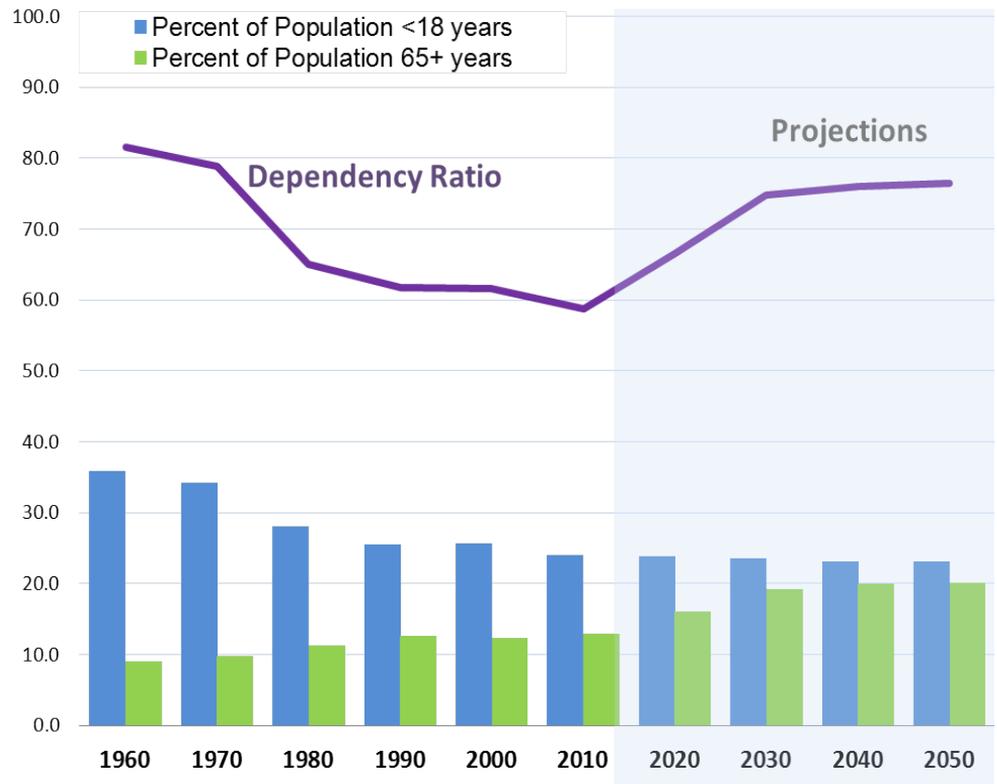
# Health care needs

## 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*).

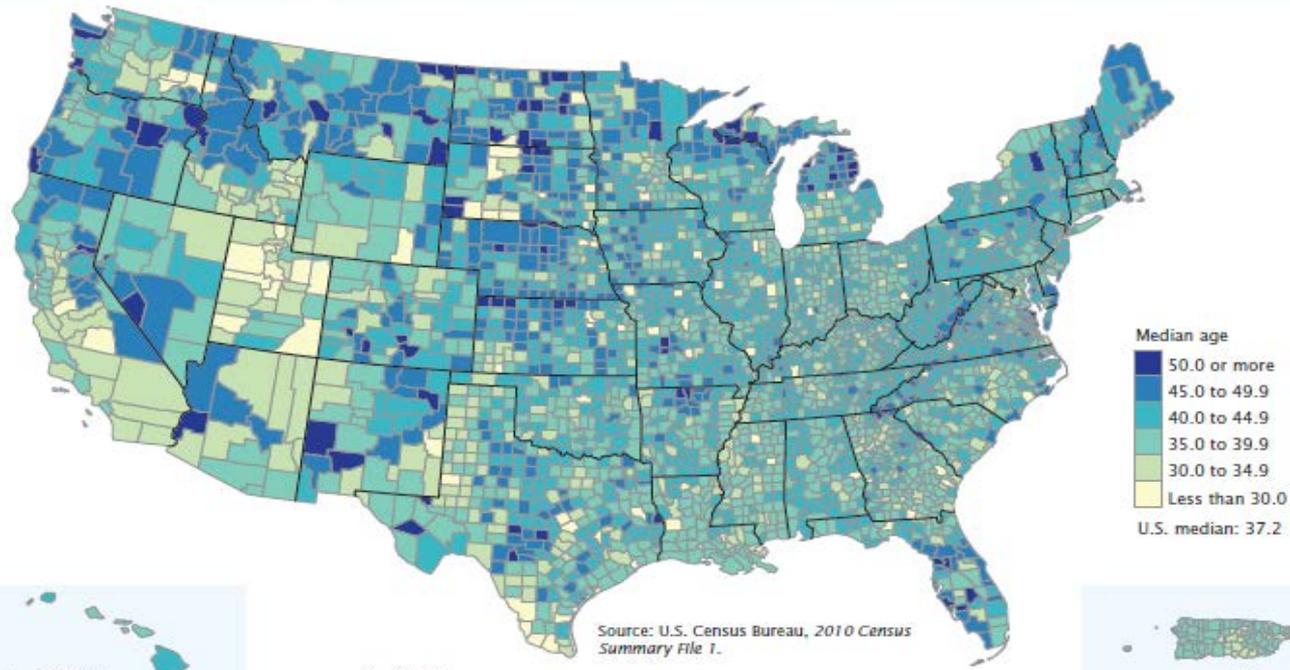


# Aging



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](http://www.census.gov/prod/cen2010/doc/sf1.pdf))



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

# Health Status

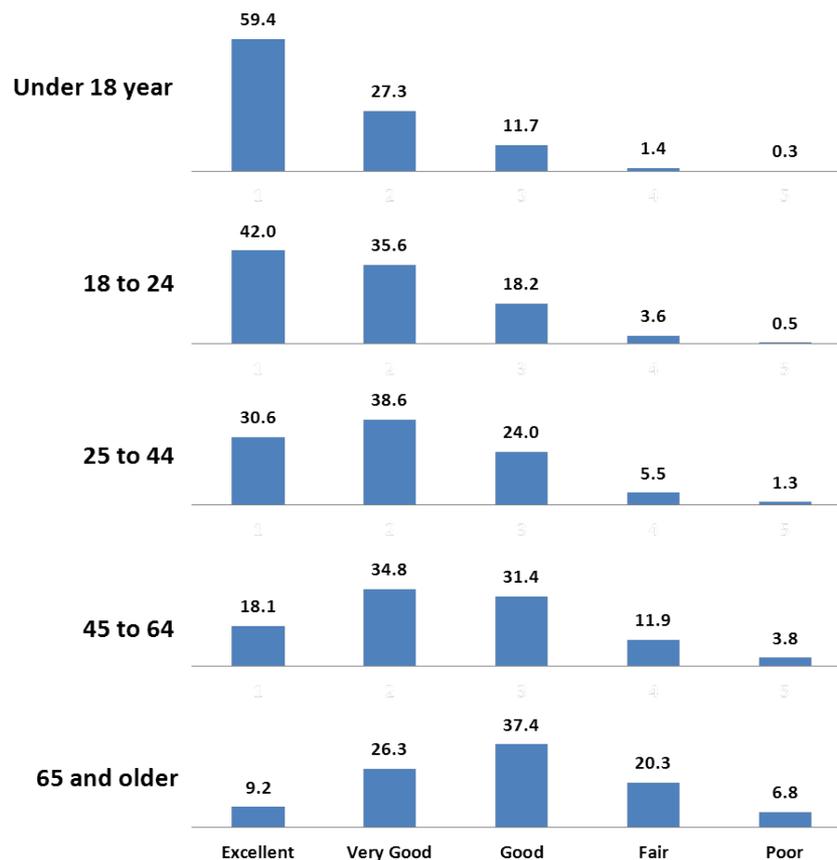
Would you say (name's/your) health in general is excellent, very good, good, fair, or poor?

- Excellent
- Very good
- Good
- Fair
- Poor

CPS  
SIPP

## Health Status by Age: 2010

Percent of population



Source: Survey of Income and Program Participation, 2010

# Health Status and Medical Utilization

## The New York Times

### Doctor Visits Dropping, New Census Figures

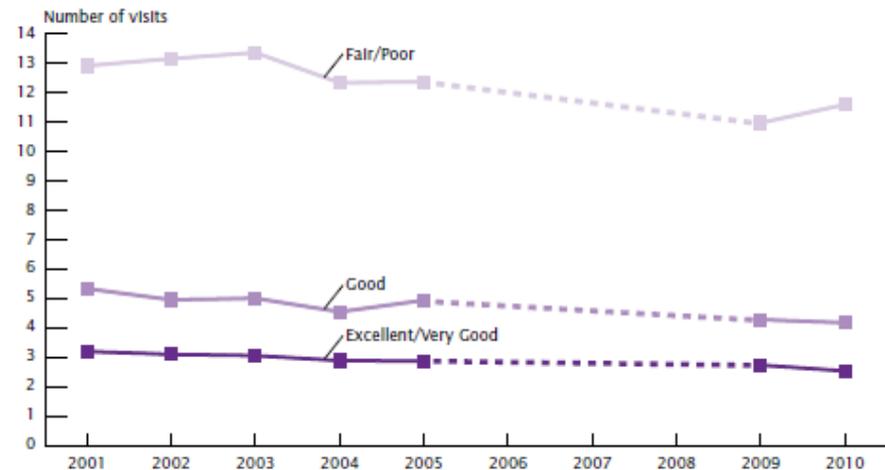
By SABRINA TAVERNISE  
Published: October 1, 2012

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

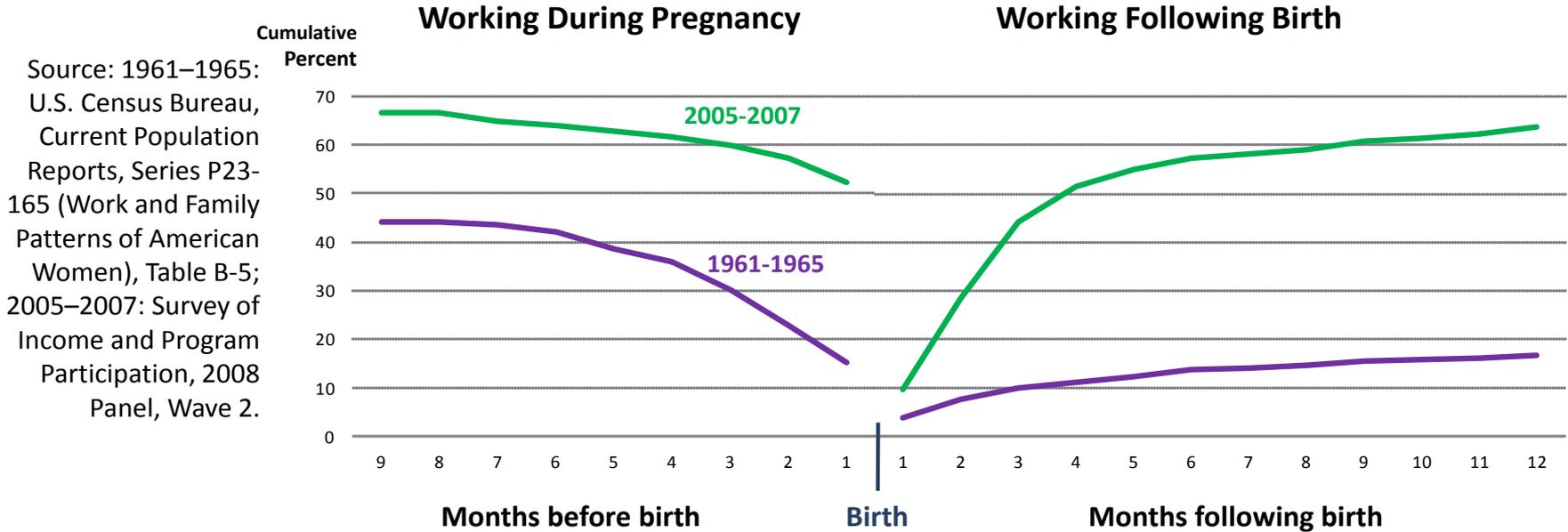
**24** Has this person given birth to any children in the past 12 months?

Yes

No

ACS  
 CPS June supplement  
 SIPP

## Women Working During First Pregnancy and Following Birth: 1961-1965 and 2005-2007



# Disability Questions

**17** a. Is this person deaf or does he/she have serious difficulty hearing?

Yes  
 No

b. Is this person blind or does he/she have serious difficulty seeing even when wearing glasses?

Yes  
 No

**G** Answer question 18a – c if this person is 5 years old or over. Otherwise, SKIP to the questions for Person 2 on page 12.

**18** a. Because of a physical, mental, or emotional condition, does this person have serious difficulty concentrating, remembering, or making decisions?

Yes  
 No

b. Does this person have serious difficulty walking or climbing stairs?

Yes  
 No

c. Does this person have difficulty dressing or bathing?

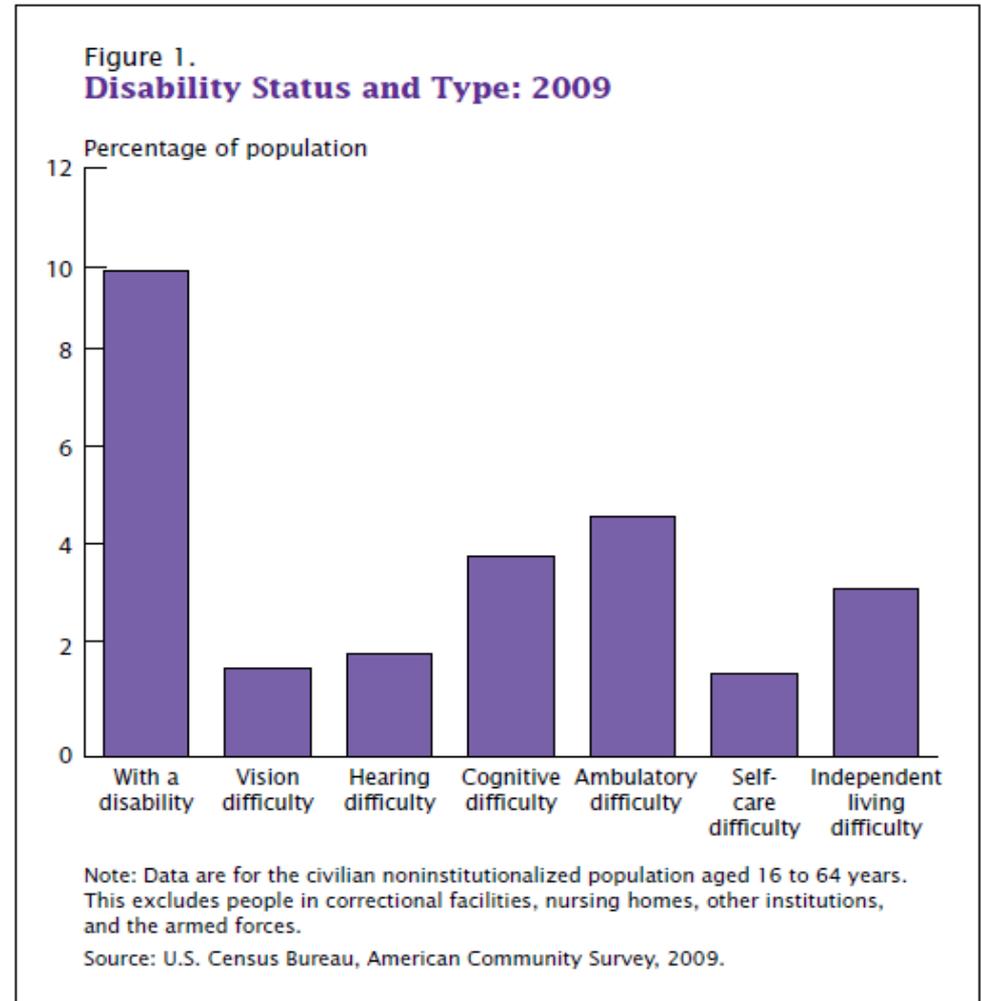
Yes  
 No

**H** Answer question 19 if this person is 15 years old or over. Otherwise, SKIP to the questions for Person 2 on page 12.

**19** Because of a physical, mental, or emotional condition, does this person have difficulty doing errands alone such as visiting a doctor's office or shopping?

Yes  
 No

ACS  
CPS  
SIPP



# Veterans: Service Connected Disability

Service Connected Disability Among  
Veterans: 2011

**28** a. Does this person have a VA service-connected disability rating?

Yes (such as 0%, 10%, 20%, ... , 100%)

No → SKIP to question 29a

b. What is this person's service-connected disability rating?

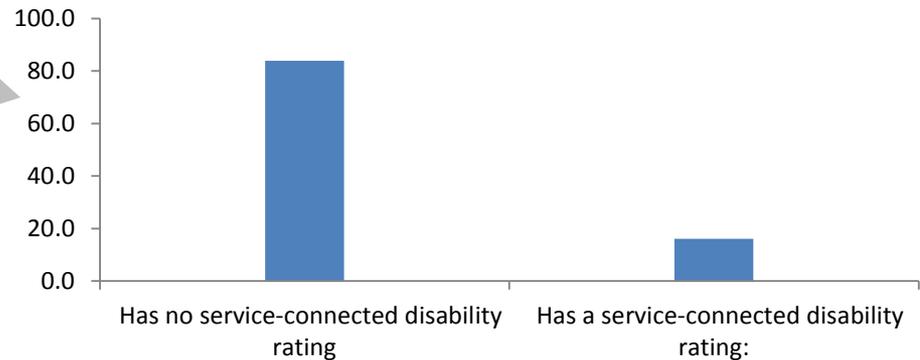
0 percent

10 or 20 percent

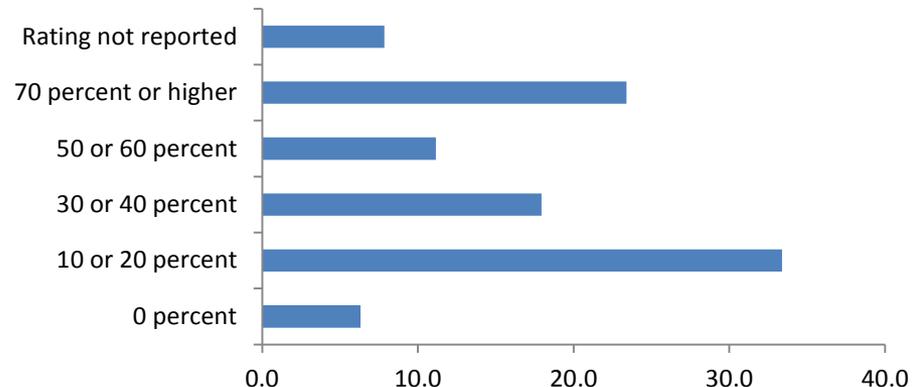
30 or 40 percent

50 or 60 percent

70 percent or higher



Disability Rating Among Veterans  
with a Service Connected Disability



ACS  
CPS

# Health care expenses and financing

## Current Population Survey (CPS)

At any time in 2011, (was/were) (you/ anyone in this household) covered by a health insurance plan provided through (their/your) current or former employer or union?

What type of health insurance (was/were) (name/you) covered by in 2011?

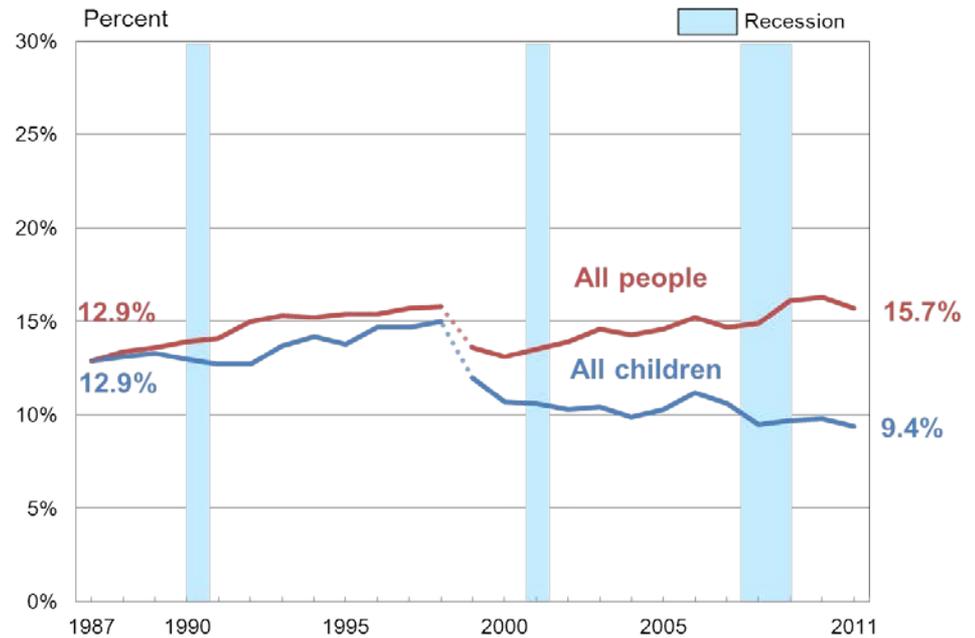
Up to six entries allowed

Probe: Any Other Type Of Plan?

- Medicare
- Medicaid
- TRICARE
- CHAMPVA (CHAMPVA IS THE CIVILIAN HEALTH AND MEDICAL PROGRAM OF THE DEPARTMENT OF VETERAN'S AFFAIRS)
- VA
- Military Health Care
- Children's Health Insurance Program (CHIP)
- Indian Health Service
- Other government health care
- Employer/union provided (policyholder)
- Employer/union provided (as dependent)
- Privately purchased (policyholder)
- Privately purchased (as dependent)
- Plan of someone outside the household
- Other

# Health Insurance by type and across time

## People Without Health Insurance Coverage: 1987 to 2011



Note: The data for 1999 reflect the results of follow-up verification questions, creating a break in the historical series.

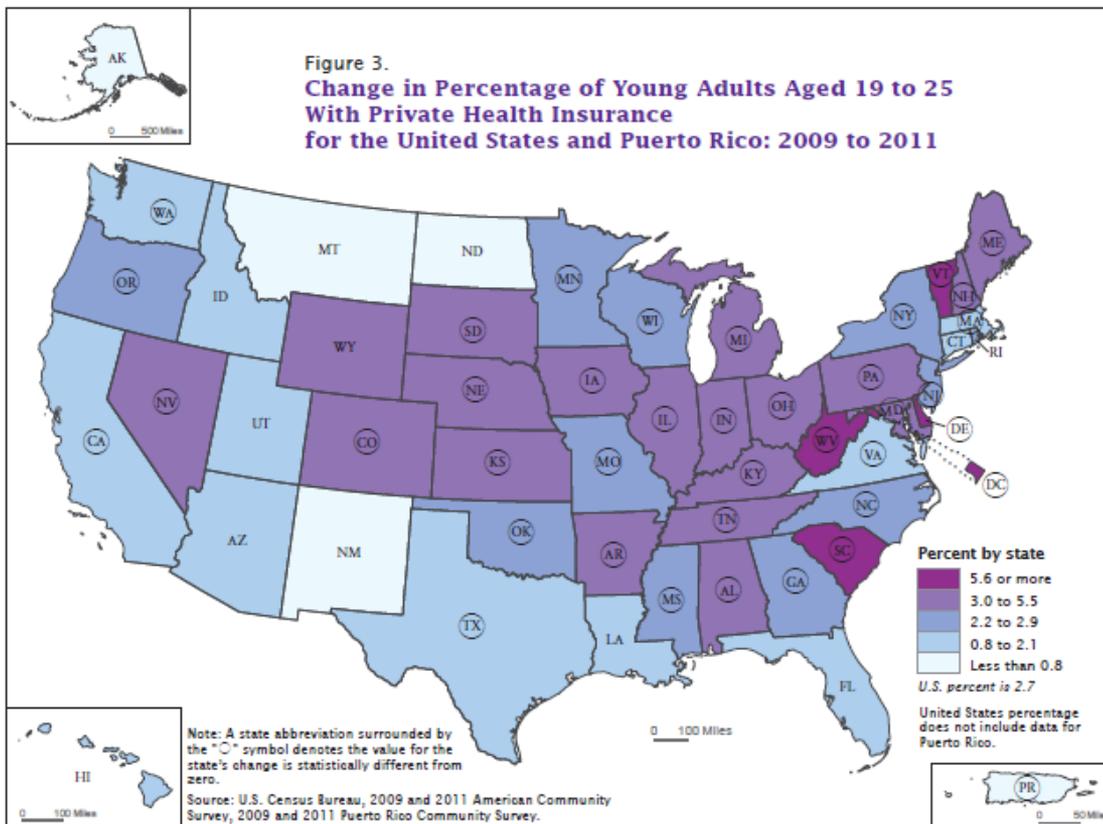
Source: U.S. Census Bureau, Current Population Survey, 1988 to 2012 Annual Social and Economic Supplements.

# Health Insurance by type, small geography, many variables

## American Community Survey (ACS)

**16** Is this person **CURRENTLY** covered by any of the following types of health insurance or health coverage plans? Mark "Yes" or "No" for EACH type of coverage in items a - h.

- |   | Yes                      | No                       |
|---|--------------------------|--------------------------|
| a. Insurance through a current or former employer or union (of this person or another family member)                  | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Insurance purchased directly from an insurance company (by this person or another family member)                   | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Medicare, for people 65 and older, or people with certain disabilities   | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability | <input type="checkbox"/> | <input type="checkbox"/> |
| e. TRICARE or other military health care  | <input type="checkbox"/> | <input type="checkbox"/> |
| f. VA (including those who have ever used or enrolled for VA health care)   | <input type="checkbox"/> | <input type="checkbox"/> |
| g. Indian Health Service  | <input type="checkbox"/> | <input type="checkbox"/> |
| h. Any other type of health insurance or health coverage plan - <i>Specify</i>  | <input type="checkbox"/> | <input type="checkbox"/> |

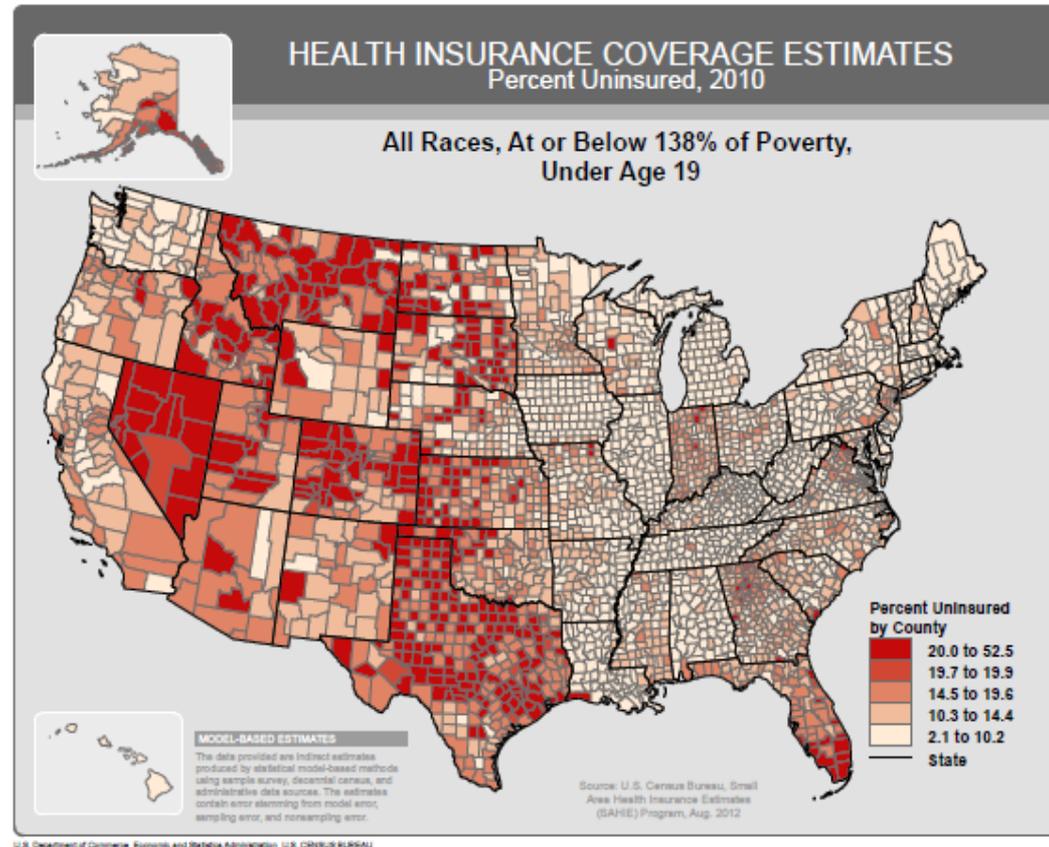


# Small Geography by Insured/Not insured

## 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

During 2011, about how much did (name/you) **pay for health insurance premiums** for (yourself/himself/herself) or others in the household, after any reimbursements? Please include premiums paid for HMOs, Fee for Service Plans, Commercial Medicare Supplements, or other special purpose plans, such as vision or dental plans. Include prescription drug insurance such as Medicare Part D premiums, and Medicare Advantage premiums. **DO NOT** include Medicare Part B premiums.

Enter dollar amount \_\_\_\_\_

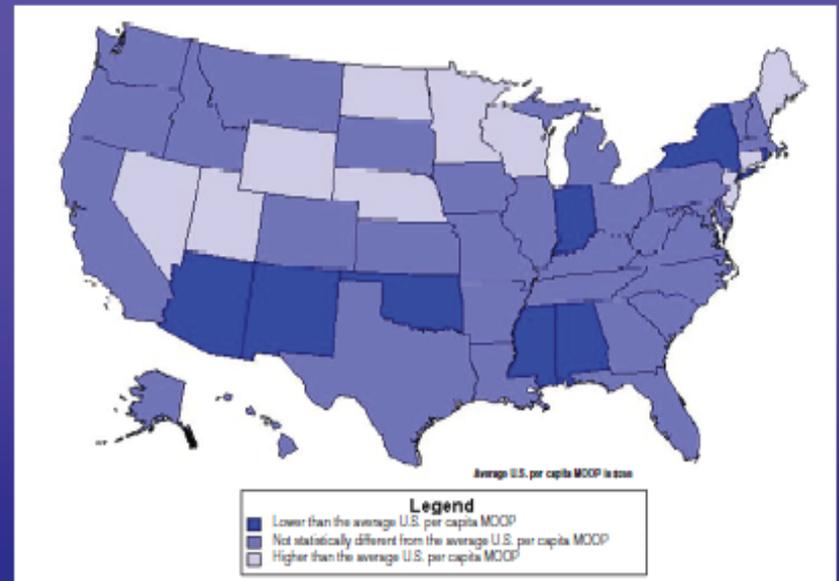
During 2011, about how much was paid for (name/you) for **over-the-counter health related products** such as aspirin, cold remedies, bandages, first aid supplies, and other items? Include any amount paid on (your/his/her) behalf by anyone in this household, that was not reimbursed.

Enter dollar amount \_\_\_\_\_

Aside from over-the-counter items, during 2011, about how much was paid for (name's/your) **own medical care, including payments and co-payments for hospital visits, medical providers, dental services, prescription medicine, vision aids, and medical supplies?** Include any amount paid on (your/his/her) behalf by anyone in this household, that was not reimbursed.

Enter dollar amount \_\_\_\_\_

**Figure 9: Per Capita Non-Premium Medical Out-of-Pocket Medical Expenditures for All Children by State**



Source: U.S. Census Bureau, Current Population Survey, 2010 Annual Social and Economic Supplement.

CPS, new in 2010  
SIPP

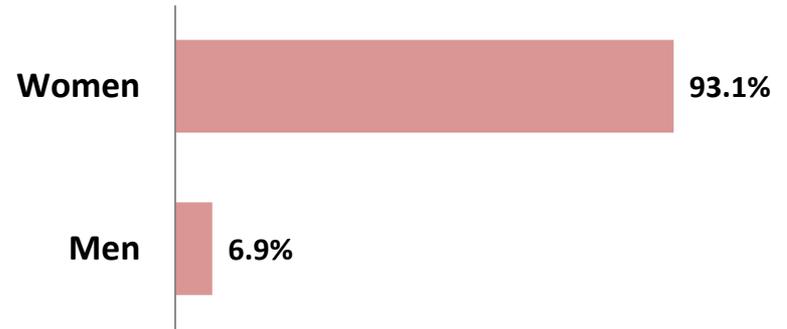
# Work Interruption for Family Care

25 percent of employed women have taken an extended break from work of 6 months or longer to care for family members.

SIPP

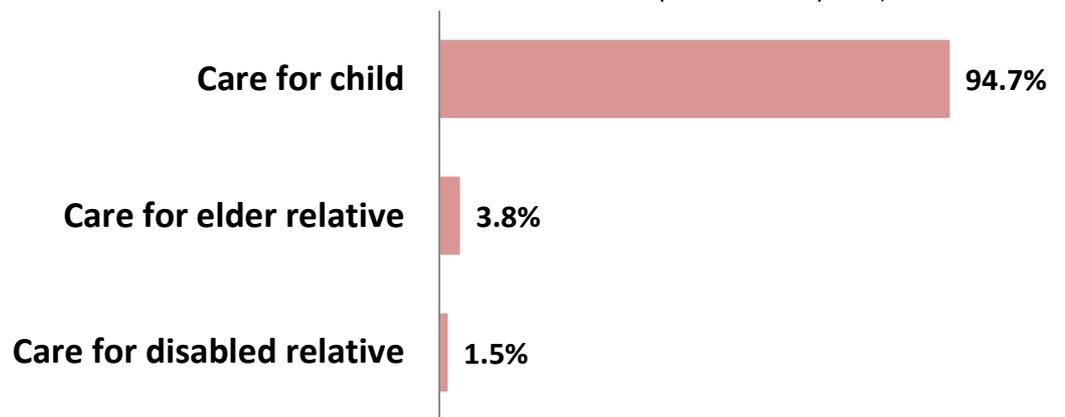
## Sex of Caregivers

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



## Type of Family Care

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



Note: Among workers aged 25 to 62.

Source: Survey of Income Program Participation, 2004 Panel, Wave 1.

# Supply of health care workers

## Industry

**42 For whom did this person work?**  
*If now on active duty in the Armed Forces, mark (X) this box →  and print the branch of the Armed Forces.*  
Name of company, business, or other employer

**43 What kind of business or industry was this?**  
*Describe the activity at the location where employed. (For example: hospital, newspaper publishing, mail order house, auto engine manufacturing, bank)*

**44 Is this mainly – Mark (X) ONE box.**

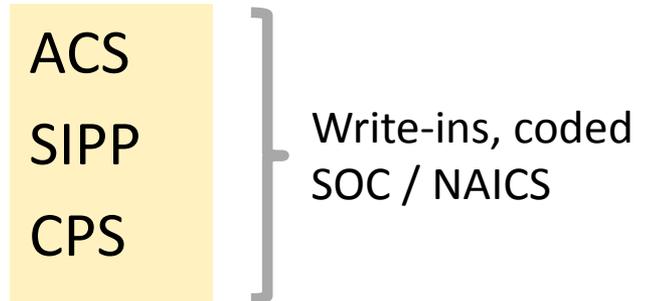
- manufacturing?
- wholesale trade?
- retail trade?
- other (agriculture, construction, service, government, etc.)?

## Occupation

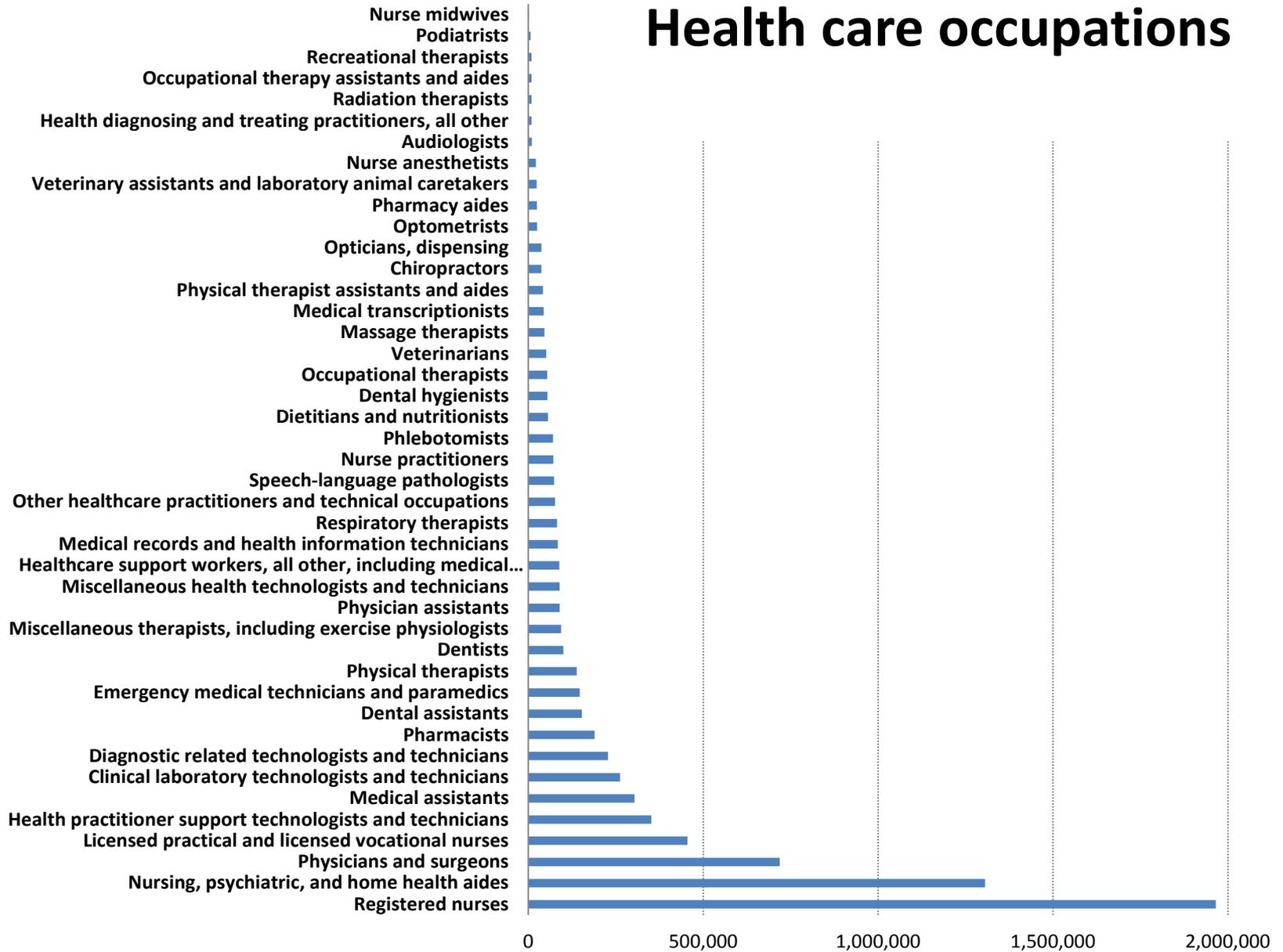
**45 What kind of work was this person doing?**  
*(For example: registered nurse, personnel manager, supervisor of order department, secretary, accountant)*

**46 What were this person's most important activities or duties?** *(For example: patient care, directing hiring policies, supervising order clerks, typing and filing, reconciling financial records)*

# Industry and Occupation



# Health care occupations



# Custom Tabs with Health-Related Occupations and Industries

- EEO File
  - Detailed geography (Nation, States, CBSAs, counties/county sets, places)
  - Occupation, race/ethnicity, sex, education, earnings, industry, citizenship
  - Sourced from 2006-2010 ACS 5-year data
  - Planned initial release: November 29, 2012
  - On American FactFinder
- Disability File
  - Selected tables from EEO file by disability (no industries)
  - Sourced from 2008-2010 ACS 3-year data
  - Planned release: Spring 2013
  - On American FactFinder

# Surveys collected by the Census Bureau for other agencies

- CPS Supplements:
  - Tobacco Use (NCI/CDC)
  - Veterans (BLS/VA)
  - Food Security (USDA/ERS)
- National Ambulatory Medical Care Survey(NCHS/CDC)
- National Health Interview Survey (NCHS)
- National Hospital Ambulatory Care Survey (NCHS)
- National Hospital Discharge Survey (NCHS)
- National Immunization Survey (CDC)
- Medical Expenditure Panel Survey - Household Component (AHRQ)

# More information

- **Reports and Papers**

- Subject Census web page
- Survey Census Web page: ACS, SIPP, CPS
- Working papers and conference papers  
<http://www.census.gov/prod/www/workpaps.html>

- **Tables and Table packages**

- Subject Area Census web page
- American FactFinder

- **Unit Record Data -- PUMS files for ACS, SIPP, CPS**

- DataFerret
- CPS Table Generator

- **Survey Questionnaires**

- CPS -- <http://www.census.gov/cps/methodology/techdocs.html>
- ACS -- [http://www.census.gov/acs/www/methodology/questionnaire\\_archive/](http://www.census.gov/acs/www/methodology/questionnaire_archive/)
- SIPP -- <http://www.census.gov/sipp/content.html>

Jennifer Cheeseman Day  
Assistant Division Chief for Employment Characteristics  
Social, Economic, and Housing Statistics Division  
Jennifer.Cheeseman.Day@Census.gov  
301-763-3399