ESTIMATING ELIGIBLE POPULATION

We propose to estimate the eligible population for a state's waiver program using the following method:

1) Use national survey data (either the Current Population Survey, CPS, or the American Community Survey, ACS) to estimate the number of state residents of the appropriate sex, age and income.

2) Use the CPS to estimate the proportion of those people who are uninsured (because individuals with Medicaid or private insurance coverage are not eligible for state waiver programs).

3) Adjust the CPS estimate of uninsurance, so that it represents people uninsured at any point during the year (to parallel states' data on enrollment, which include people enrolled at any point during the year).

To ease comparison across states, we suggest limiting the estimate in step 1 to women aged 19-44 (which is the "lowest common denominator" among states). The income cut-off for step 1 should be set at the appropriate cut-off for each state's waiver (133%, 185% or 200% of the federal poverty level).

For step 3, we propose using an adjustment factor of 1.54, developed by the Guttmacher Institute in an August 2006 report estimating the potential impact of a nationwide Medicaid family planning expansion that used a methodology similar to the one we are proposing here. A description of that adjustment can be found on pages 35 and 36 of the report at
http://www.guttmacher.org/pubs/2006/08/16/or28.pdf

The rest of this document explores the differences between CPS and ACS in step 1 of this methodology.

CPS Only Method

Go to http://www.census.gov/hhes/www/cpstc/cps_table_creator.html
1. Select 3 year; one table multi-year average.
2. universe: persons in poverty universe
3. State – as needed; Sex – females; all races, all nativity, all workforce
4. Row variables select (1) age, (2) income to poverty ratio; Column (1) health insurance coverage
5. {skip}
6. Customize age ranges to 19-24, 25-34, 35-44; select desired income to poverty ratio % cut offs
7. Display sums as whole numbers

Press Get table.

To correct for uninsured at any time, we would calculate the percentage uninsured and multiply by 1.54

Variation Using ACS for Population Estimate

Go to
http://factfinder.census.gov/servlet/CTGeoSearchByListServlet?ds_name=ACS_2006_EST_G00_&_lang=en&_ts=223120399234

1. For women below poverty:
    a. Geographic Type: State
    b. Geographic Area: [your state] then Add then Next
    c. Select table: "B17001. Poverty Status In The Past 12 Months By Sex By Age"
    d. Press Go
    e. Select Below Poverty, Female, and your desired age ranges, then Add and Next
    f. Press Show Results
    g. Download as Excel file or right click table and export to Excel.
2. To estimate females above poverty:
    a. Geographic Type: State
    b. Geographic Area: [your state] then Add then Next
    c. Select table: "B17024. Age By Ratio Of Income To Poverty Level In The Past 12 Months"
    d. Press Go
    e. Select desired Income/Poverty Ratios for your age ranges, then Add and Next
    f. Press Show Results
    g. Download as Excel file or right click table and export to Excel.

For each age range, use the data from B17001 to calculate the % of population below poverty who are female and apply that proportion to the population income bands above poverty.

Use data from CPS method above to estimate % of women uninsured at any time during year.

U.S. Census Bureau

CPS 3-year average - Data Collected in 2005 to 2007

NOTE: The Current Population Survey Annual Social and Economic Supplement is an annual survey of approximately 78,000 households nationwide. Therefore, use extreme caution when making inferences when the cell sizes are small.

Some CPS questions, such as income, ask about the previous year. Others, such as age, refer to the time of the survey. The column labels indicate any subject with a reference year which differs from the survey year.

NOTE: Health insurance data for 2005 and 2006 were updated on April 10, 2007. Refer to the Revised CPS ASEC Health Insurance Data page for more information. The health insurance data from 2003 and 2004 were constructed for consistency with the revision to the 2005 and 2006 data. The health insurance coverage tables created should match the results from our new historical series tables HIA-1 through HIA-8.

State: SC & Female		Totals	Health Insurance Coverage in 2004 to 2006	
			Insured	Uninsured
Totals	Totals	796,448	632,026	164,422
	Income-to-Poverty Ratio in 2004 to 2006			
	Below 100%	127,947	76,845	51,102
	100% to below 175%	130,062	86,374	43,687
	175% to below 200%	49,644	39,372	10,273
	200% and above	488,794	429,434	59,360
Age				
18 to 24	Totals	191,244	145,037	46,207
	Income-to-Poverty Ratio in 2004 to 2006			
	Below 100%	43,851	30,087	13,764
	100% to below 175%	40,918	28,764	12,155
	175% to below 200%	9,255	8,485	770
	200% and above	97,220	77,701	19,518
25 to 34	Totals	293,875	232,614	61,261
	Income-to-Poverty Ratio in 2004 to 2006			
	Below 100%	39,599	20,354	19,245
	100% to below 175%	48,316	30,017	18,299
	175% to below 200%	21,222	16,482	4,739
	200% and above	184,738	165,761	18,977
35 to 44	Totals	311,329	254,375	56,954
	Income-to-Poverty Ratio in 2004 to 2006			
	Below 100%	44,497	26,404	18,093
	100% to below 175%	40,827	27,594	13,233
	175% to below 200%	19,168	14,405	4,763
	200% and above	206,837	185,972	20,865

Source: U.S. Census Bureau

Current Population Survey, Annual Social and Economic Supplement, 2005 through 2007

1. Estimates for South Carolina, 2006 American Community Survey[1]

	18-24		25-34		35-44	
	Below FPL	100-185% FPL	Below FPL	100-185% FPL	Below FPL	100-185% FPL
Population	95,735	72,948	8,1464	90,460	68,156	88,010
Females	56,787		50,038		45,317	
% Female	59%		61%		66%	

2. Assume proportion of females from 100-185% is similar to below 100%.

	18-24		25-34		35-44	
	Below FPL	100-185% FPL	Below FPL	100-185% FPL	Below FPL	100-185% FPL
Population	95,735	72,948	81,464	90,460	68,156	88,010
Females	56,787	43,270	50,038	55,564	45,317	58,518
% Female	59%	59%	61%	61%	66%	66%

3. Estimated women at or below 185% FPL is 309,494.[2]

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Comparison of eligible women before adjustment for uninsured:
- CPS (2004-06 avg) Women <185% FPL = 127,947+130,062+(40%*49,644) = 277,867
- ACS (2006) Women <185% FPL = 309,494
- CPS estimate is 10% lower than ACS

CPS estimate of uninsurance for women below 185% poverty = 34%
AGI adjustment for uninsured at any time during year = 1.54
Adjusted rate of uninsurance = 52%

Estimated eligible population using CPS only = 144,491
Estimated eligible population using ACS/CPS = 160,937

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[1] ACS has population income/poverty ratio increments of: below 50%, 50-74%, 75-99%, 100-124%, 125-149%, 150-174%, 175-184%

[2] ACS custom table is not available for 2005; using rough estimates from 2005 ACS detailed tables, the estimated women below 185% poverty is 322,687.