



### Example: Who Are the Uninsured?

SIPP estimates of the uninsured are based on questions about insurance type, three variables in particular:

Variable	Description
ecdmth	Medicaid coverage (includes CHIP) 1 = yes 2 = no
ecrmth	Medicare coverage 1 = yes 2 = no
ehimth	All other coverage 1 = yes 2 = no
emcocov	Type of public coverage

### Who Are the Uninsured? So, for a cross-sectional estimate, you might do something like: gen uninsured = 1 /\* Thanks to imputation of public-use SIPP files, we don't have to worry about missing data in these variables! What would we do otherwise? \*/ replace uninsured = 0 if ecdmth == 1 | ehimth == 1 | ecrmth == 1 /\*Might as well just keep the reporting month \*/ keep if srefmon ==4 /\* Assume we already survey set the data \*/ svy: proportion uninsured

# Who Are the Uninsured?

So, for a cross-sectional estimate, you might see something like:

Uninsured in a Given Month (2008, W1, Reporting Month)	Estimate
All	16.7%
Children (<18)	12.7%
Young Adults (18-29)	31.2%
Prime age working-age Adults (30-64)	17.9%
Seniors	0.8%

Strength of the SIPP: Leads and Lags					
Measuring program ent	ogram entry/exit is a <b>primary</b> purpose of the SIPP				
So how do you identify someone who goes from insured to uninsured, or uninsured to insured? Take the following simple example, which assumed we have appended waves 1 and 2 of the 2008 panel, and kept only the 4 <sup>th</sup> reference months of both waves					
<pre>/* Order each respondent's data chronologically */</pre>					
sort ssuid epppnum swave srefmon					
<pre>/* Use the person identifier and chronological data to generate a lag variable for a respondent's insurance status in the previous month. */</pre>					
by ssuid epppnum: gen uninsuredLEAD = uninsured[_n-1]					
svy: tab uninsuredLEAD uninsured, row col					
This will create an insurance transition matrix that looks like this:					
Insurance Status	Insured month t	Uninsured month t			
Insured month t-4	94.1%	5.9%			
Uninsured month t-4	25.2%	74.8%			

	1990-1994	1996-1999	2001-2005	Percent Change From 1990-1994 to 2001-2005
Started with private insurance	.665 (.004)	.675 (.005)	.600 (.003)**	-9.8%
Lost coverage	.038 (.001)	.036 (.001)	.053 (.001)**	39.5%
Changed source of coverage	.015 (.000)	.015 (.001)	.034 (.001)**	126.7%
No change—stably insured	.947 (.001)	.949 (.001)	.913 (.001)**	-3.6%
Started with public insurance	.184 (.003)	.176 (.004)	.260 (.003)*+	41.3%
Lost coverage	.078 (.002)	.136 (.003)*	.125 (.002)*+	60.3%
Changed source of coverage	.059 (.003)	.066 (.002)	.078 (.002)*+	32.2%
No change - stably insured	.862 (.002)	.797 (.004)*	.797 (.003)*	-7.5%
Started uninsured	.151 (.003)	.148 (.003)	.140 (.002)*+	-7.3%
Gained private	.161 (.003)	.165 (.004)	.198 (.004)*+	23%
Gained Public	.085 (.002)	.123 (.004)*	.185 (.004)*+	117.6%
No change - stably uninsured	.754 (.004)	.712 (.004)*	.617 (.006)**	-18.2%

Table I. Changes in the Month-to-Month Stability of Children's Health Insurance by Starting

Source: Authors' calculations from a pooled sample of the Survey of Income and Program Participation. Difference with 1990-1994 is statistically significant at or above the .05 level. <sup>\*</sup>Difference with 1996-1999 is statistically significant at or above the .05 level.

Hill & Shaefer, (2011)

## Who Are the Uninsured?

### How about over the course of a year, like 2009?

First load in necessary waves and keep 2009 observations.

Use the person identifier to track insurance status across the calendar year.

Estimates must use the <u>calendar-year</u> weights, so we survey set the data slightly differently below.

```
keep if rhcalyr == 2009
Sort ssuid epppnum swave srefmon
by ssuid epppnum: egen uninsuredallyear = min(uninsured)
by ssuid epppnum: egen uninsured1mnth = max(uninsured)
/* Keep 1 observation per person, for January. Respondents
must be present in January of the year to get a calendar-
year weight */
keep if rhcalmn == 1
svyset ghlfsam [pw = lgtcy1wt], strata(gvarstr)
svy: proportion uninsuredallyear uninsured1mnth
```

Who Are the Uninsured?					
Uninsured in Calendar Year 2009 (Panel 2008, Wave 1)	All Year	Ever in Year?			
All	9.5%	26.1%			
Children	4.0%	26.8%			
Young Adults	18.2%	47.1%			
Working-age Adults	12.5%	27.5%			

# Income Comes in All Shapes and Sizes

- Lots of different income variables—remember that the SIPP asks lots of detailed questions about income sources
- thtotinc/tftotinc/tstotinc/tptotinc: Census aggregates all income sources up into a <u>total</u> income measure for the unit of analysis
- thearn/tfearn/tsearn/tpearn: Reaggregated total <u>earned</u> income for the unit of analysis
- Other types of income measures: Property, "other," public benefits, retirement distributions











- Let's say you want to identify unmarried working-age mothers:
- It's easy if you just want the family/sub-family heads:
- Identify the family reference person
   keep if rfoklt18 >0 & rfoklt18 <.</li>
- But rfoklt18 doesn't work if the mother isn't a reference person!

```
Identifying all single mothers: Part 1
Load in your wave file
  keep if tage <18 srefmon ==4</pre>
  drop if epnmom==9999
  /* This is the mom identfier, it's in the kid's record and points to
  the mother */
  qen kid = 1
  /* Now we count up the number of kids who point to a given mom */
  bysort spanel ssuid epnmom: egen numkids = count(kid)
  keep ssuid epnmom numkids
  /* the mom number is in a different form from epppnum, so convert */
  gen zero = 0
  egen epppnum = concat(zero epnmom)
  drop epnmom
  keep ssuid epppnum numkids
  sort ssuid epppnum
  duplicates drop
  save mom.dta, replace
  clear
```

# black b