



# Measuring Transitions, Spells of Uninsurance, and Churning in the Redesigned CPS

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# Overview

- Policy relevance
- Compare surveys that measure duration
- Compare estimates from other surveys
- Method for testing face validity
- Results of face validity test
- Discussion

## Purpose of this presentation

To compare the redesigned Current Population Survey to other federal surveys that are currently used to measure duration and to check the face validity of duration of coverage estimates in the Survey of Health Insurance and Program Participation

# Why does data on duration of coverage matter?

- Length of uninsurance and health care access are inversely related
- Gaps in coverage and changes in coverage can affect continuity of care
- After implementation of federal health care reform, changes in coverage between Medicaid and health insurance exchanges could affect administrative costs and continuity of care
- Different policies are needed to address long-term and short-term uninsurance

# Comparing to Federal Surveys That Measure Duration

# Primary Focus and Survey Administrator

	<b>Redesigned CPS</b>	<b>SIPP</b>	<b>MEPS/HC</b>	<b>NHIS</b>
<b>Primary Focus</b>	Labor Force Participation and Unemployment	Income and Program Participation	Health Care Access, Utilization and Cost	Population Health
<b>Survey Administrator</b>	U.S. Census Bureau	U.S. Census Bureau	Agency for Healthcare Research and Quality	Center for Disease Control and Prevention

# Sample Size and Geography Available

	<b>Redesigned CPS</b>	<b>SIPP</b>	<b>MEPS/HC</b>	<b>NHIS</b>
<b>Approximate Sample Size</b>	200,000	90,000	37,000	90,000
<b>State Representative</b>	Yes	No	No	No
<b>Level of Geography Available in Public Use File</b>	National, state and some substate	National and state	National and census region	National and census region



# Recall and Length

	<b>Redesigned CPS</b>	<b>SIPP</b>	<b>MEPS/HC</b>	<b>NHIS</b>
<b>Recall Period</b>	14-16 months	4 months current but 12 months in 2014	5-6 months	12 months
<b>Longitudinal</b>	Longitudinal component but most analysis cross-sectional	yes	yes	no
<b>Maximum length of duration measured</b>	16 months	3-4 years	2 years	12 months

# Available Measures

	<b>Redesigned CPS</b>	<b>SIPP</b>	<b>MEPS/HC</b>	<b>NHIS</b>
<b>Uninsured all year</b>	Yes	Yes	Yes	Yes
<b>Uninsured anytime in year</b>	Yes	Yes	Yes	Yes
<b>Monthly coverage</b>	Yes	Yes	Yes	No
<b>Number and duration of spells</b>	Yes	Yes	Yes	No
<b>Churning on and off same plan type</b>	Yes	Yes	Yes	No
<b>Transitions from one plan type to another</b>	Yes	Yes	Yes	No

# Estimates of Duration: Ratios

## Ratios of All-Year Uninsured to Anytime-in-Year Coverage

Data Year	Uninsured All-Year			Uninsured Anytime-in-Year			Ratio		
	SIPP	MEPS	NHIS	SIPP	MEPS	NHIS	SIPP	MEPS	NHIS
<b>1998</b>	9%	13%	11%	25%	25%	21%	37%	53%	53%
<b>1999</b>	--	12%	11%	--	25%	20%	--	49%	51%
<b>2001</b>	7%	--	11%	24%	--	20%	28%	--	52%
<b>2003</b>	--	14%	11%	--	25%	21%	--	54%	54%
<b>2009</b>	10%	--	12%	30%	--	22%	33%	--	56%

Sources: 2005 ASPE Issue Brief, 2003 CBO Report, 2009 Annual NHIS Report and 2008 SIPP panel as analyzed by SHADAC.

--Estimates not available

# Estimates of Duration: Partial

## Duration of Coverage in Federal Surveys, Nonelderly

Data Year	Covered All-Year			Uninsured All-Year			Uninsured Part-of-the-Year			Totals		
	SIPP	MEPS	NHIS	SIPP	MEPS	NHIS	SIPP	MEPS	NHIS	SIPP	MEPS	NHIS
1998	76%	75%	79%	9%	13%	11%	15%	12%	10%	100%	100%	100%
1999	--	75%	80%	--	12%	11%	--	13%	10%	--	100%	100%
2001	76%	--	80%	7%	--	11%	17%	--	10%	100%	--	100%
2003	--	75%	79%	--	14%	11%	--	12%	10%	--	100%	100%
2009	70%	--	78%	10%	--	12%	20%	--	10%	100%	--	100%

Sources: 2005 ASPE Issue Brief, 2003 CBO Report and 2009 Annual NHIS Report and 2008 SIPP panel as analyzed by SHADAC

--Estimate not available

# Methods

- Weighted results from the experimental component of the RDD (Landline) SHIPP to the following SIPP control totals
  - Race/Ethnicity
  - Age by Education
  - Household Size
  - Sex
- Compared estimates between the RDD (Landline) SHIPP and the SIPP
  - Ratio of uninsured all-year to uninsured anytime-in-year
  - Compared estimates of uninsured part-of-year

# RESULTS

# Estimates of Duration: Ratios

## Ratios of All-Year compared to Any-Time in Year Coverage, Nonelderly 2009

	weighted		unweighted	
	SIPP	SHIPP	SIPP	SHIPP
Uninsured All-Year/Uninsured Anytime-in-Year	33%	78%	32%	75%
Public Coverage All-Year/Public Coverage Anytime-in-Year	43%	82%	44%	81%
Private Coverage All-Year/Public Coverage Anytime-in-Year	80%	96%	80%	96%

Source: 2008 SIPP panel and 2010 SHIPP Survey

# Estimates of Duration: Uninsured Partials

## Duration of Coverage, Nonelderly 2009

	weighted		unweighted	
	SIPP	SHIPP	SIPP	SHIPP
Covered All-Year	70%	81%	70%	84%
Uninsured All-Year	10%	15%	10%	12%
Uninsured Part-of-Year	20%	4%	20%	4%
Total	100%	100%	100%	100%

Sources: 2008 SIPP panel and 2010 SHIPP survey



# Estimates of Duration: Private Coverage Partials

## Duration of Coverage, Nonelderly 2009

	weighted		unweighted	
	SIPP	SHIPP	SIPP	SHIPP
No Private Coverage	26%	26%	27%	21%
Private Coverage All-Year	59%	71%	58%	76%
Private Coverage Part-Year	15%	3%	15%	3%
Total	100%	100%	100%	100%

Sources: 2008 SIPP panel and 2010 SHIPP survey

# Estimates of Duration: Public Coverage Partials

## Duration of Coverage, Nonelderly 2009

	weighted		unweighted	
	SIPP	SHIPP	SIPP	SHIPP
No Public Coverage	77%	86%	76%	88%
Public Insurance All-Year	10%	12%	11%	10%
Public Insurance Part-Year	13%	3%	13%	2%
Total	100%	100%	100%	100%

Source: 2008 SIPP panel and 2010 SHIPP survey

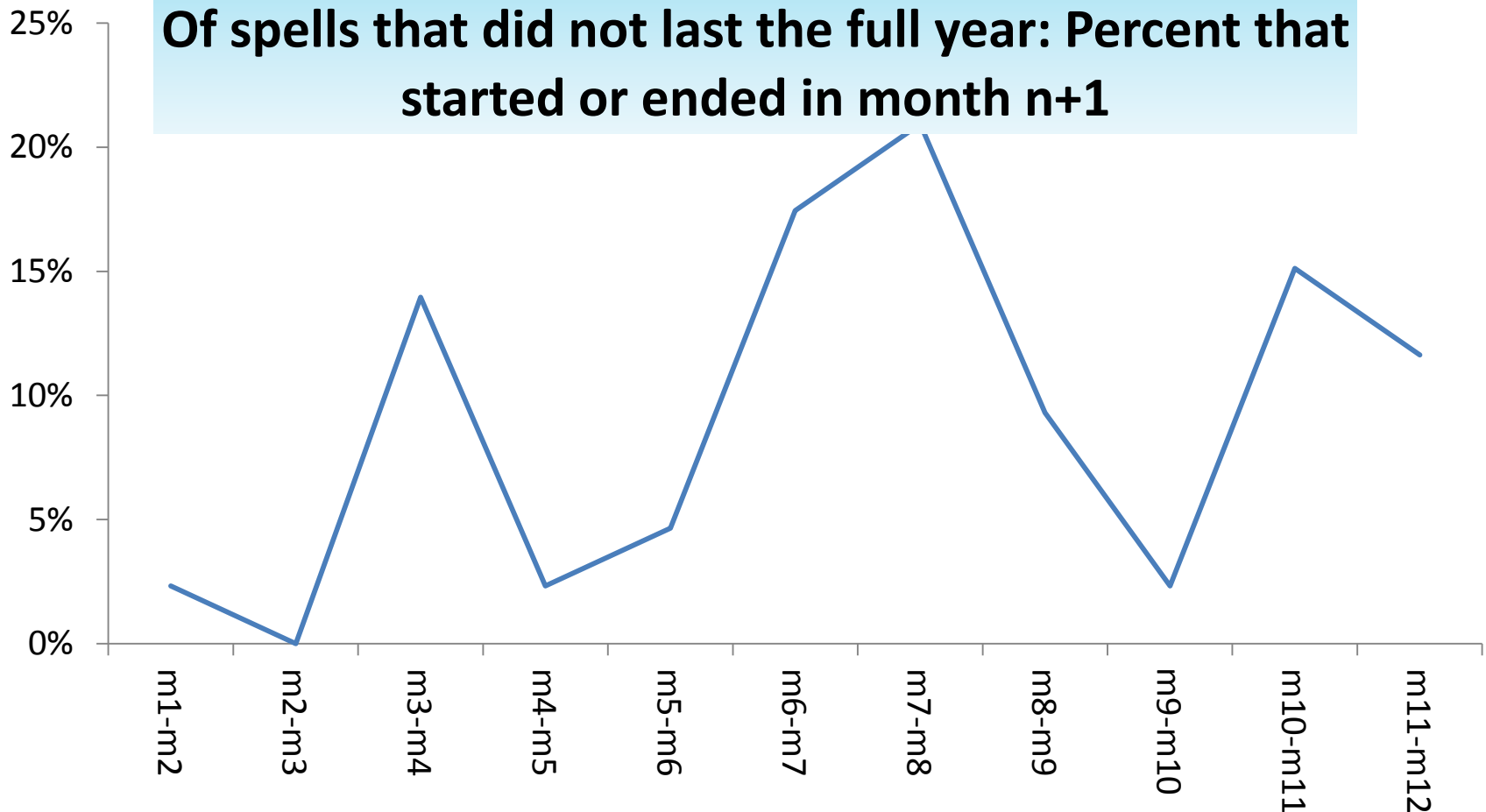
# Estimates of Duration: SHIPP

## Duration of Coverage in SHIPP, 2009 vs 15-17 Months

		Jan-Dec 2009	Jan 09 thru Spr 10	Diff
Insured	All months	84.3	83.3	-1.0
	No months	11.8	10.1	-1.7
	Some months	3.9	6.4	2.5
Public	All months	9.8	9.3	-0.5
	No months	87.8	86.5	-1.3
	Some months	2.4	4.0	1.6
Private	All months	76	75	1.0
	No months	21.1	19.8	1.3
	Some months	2.9	5.1	2.2

Source: SHIPP 2010

# Estimates of Duration: SHIPP 2009



Source: 2010 SHIPP survey

# Limitations

- Coverage bias
  - Cell phone only households are not included in the SHIPP sample and characteristics of cell phone only households are different than landline households
  - Weighting should help reduce some of the bias but some variables such as homeownership that are correlated with telephone usage are not included in the SHIPP
- Relatively small sample size (2,370)
- There is no gold standard for duration of coverage estimates

# Discussion

- Duration of coverage estimates would be useful to states particularly with the advent of federal health reform.
- Prevalence of transitions in coverage is lower than expected (4% as compared to 10-20% uninsured part-year in other surveys).
- One possible reason is that weighting was not very effective in adjusting for coverage bias due to the exclusion of cell-only households

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