How Did We Do? Evaluating Results from the Reengineered SIPP Field Tests

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This work is released to inform interested parties of ongoing research and to encourage discussion of work in progress. Any views or opinions expressed in the paper are the authors' own and do not necessarily reflect the views or opinions of the U.S. Census Bureau.



Outline

Background and Status

- Brief History of the SIPP
- Reengineering and Field Tests
- Survey Content and Design
- Evaluation
- What's Next?



The SIPP Mission

The mission of the Survey of Income and Program Participation (SIPP) is to provide a nationally representative sample for evaluating:

- Annual and sub-annual dynamics of income,
- Movements into and out of government transfer programs,
- Family and social context of individuals and households, and
- Interactions between these items.



Goals for SIPP Reengineering

- The reengineered survey:
 - Includes a new household survey data collection
 - Modernizes the data collection instrument
 - Reduces respondent burden
 - Requires fewer resources than classic SIPP program
 - Improves processing efficiency
 - Is releasable to the public in a timely manner



Notes on the New Design

Scope

- Similar to classic SIPP
- Broader than core / includes key topical module content in each wave

Better integration of concepts

- EHC generates integrated reporting across domains
- Topics previously implemented as add-on modules now integrated
- Facilitate 'hooks' to enable supplements for additional content



Notes on the New Design

- Increased efficiency in processing and producing data products
- Flexible in administration (dynamic interview month and reference period)
- Dependent data incorporated into EHC instrument
- Reduced cost through annual administration
- Improved management through realigned structure and improved monitoring using all available tools – especially paradata

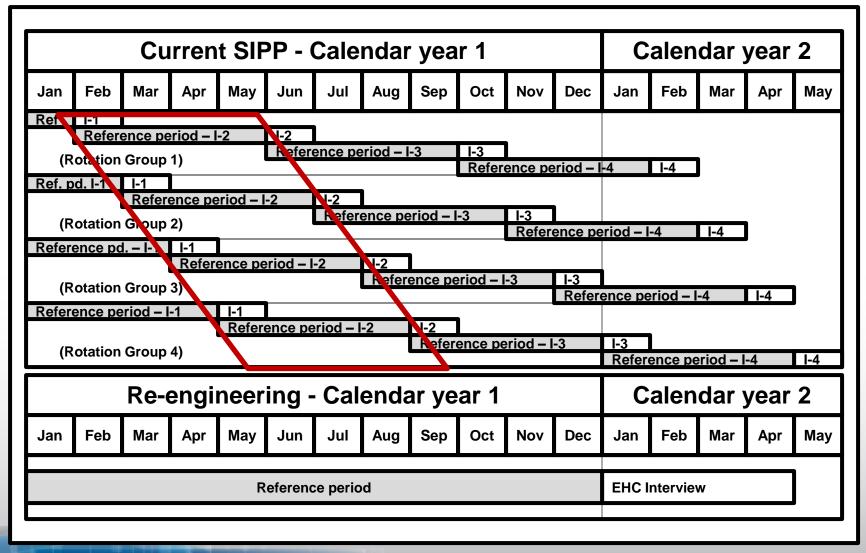


Summary: Classic vs. New SIPP

	SIPP CLASSIC	NEW SIPP
Instrument	DOS-based	Blaise/C#
Interview Frequency	3x/year	Annual
Interview Type	Personal visit/telephone	Personal visit/telephone
Reference Period	Previous 4 months	Previous year
Panel Length	2.5-5 years	4 years (planned)
Sample Size	12-52,000 households (W1)	52,000 households (W1)
Universe	Civilian, non-institutional	Civilian, non-institutional
Content	Comprehensive	Comprehensive
File Structure	Complex	Simplified

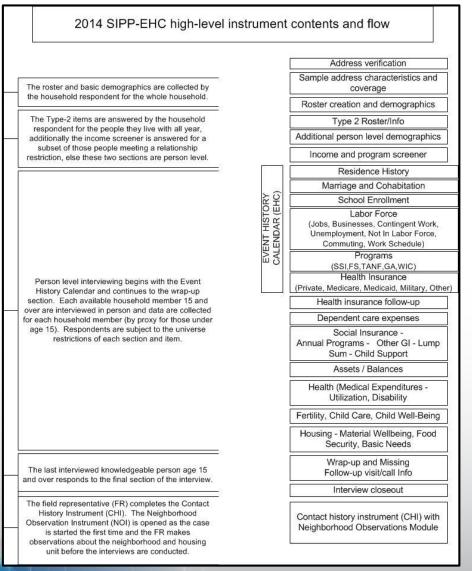


SIPP Design Change - Example





SIPP 2014 Contents





SIPP Reengineering Field Tests

- Proof of concept test

- 2008 paper and pencil re-interview test

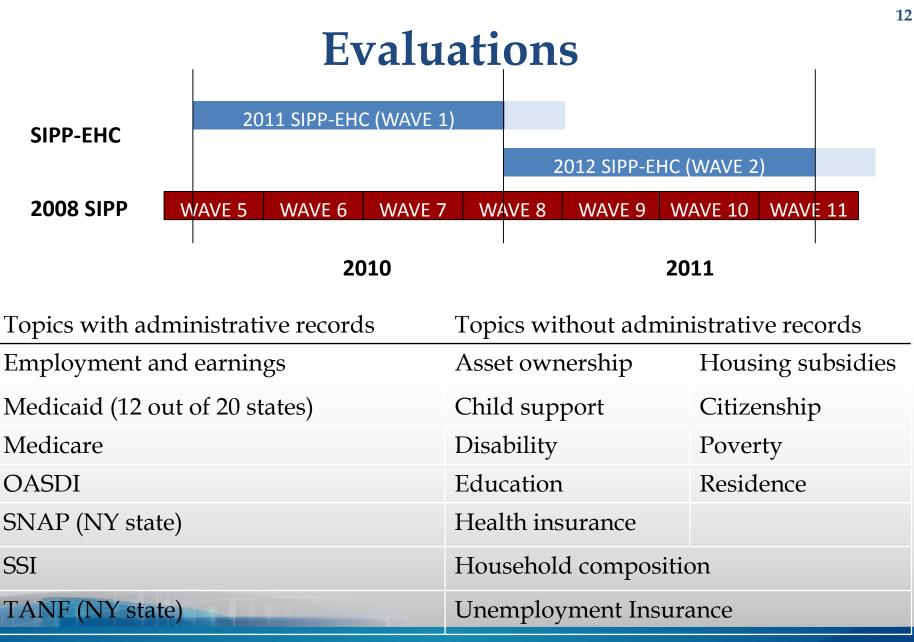
- EHC CAPI test
 - 2010 Integrated Blaise and C# instrument prototype
- CAPI revised test
 - 2011 Test improvements to the Wave 1 instrument, training, and expand sample to all regional offices.
 - Inter-wave locating experiment
 - 2012 Test Wave 2 concepts and instrument, examine movers and attrition issues, dependent interviewing methods and refine training.
 - 2013 Wave 3 interview allows household members to return and additional mover and dependent interviewing evaluation
- 2014 SIPP EHC-based instrument is the production SIPP instrument



Evaluations

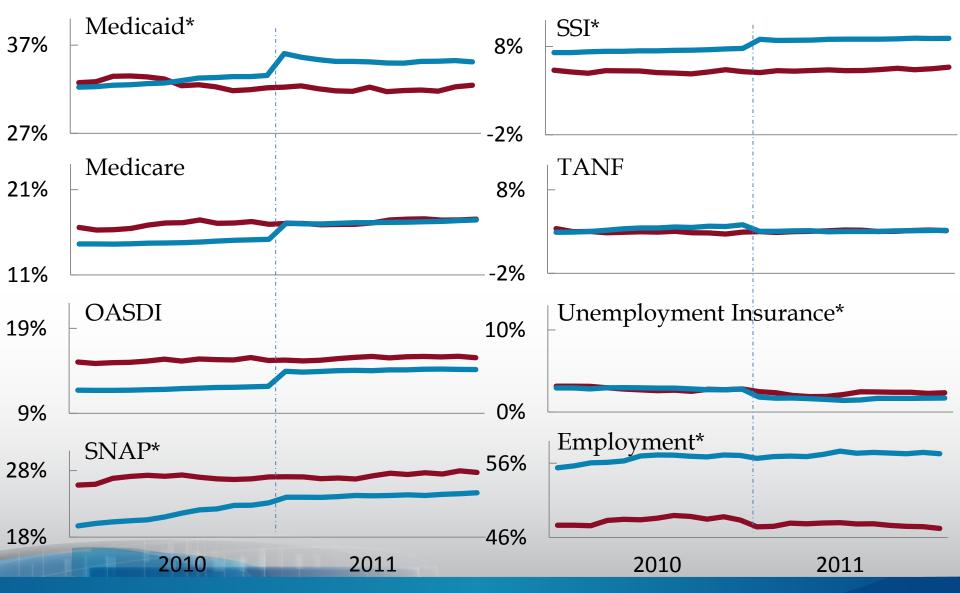
- Key indicators by topic evaluated against as many sources as possible
- False and mistimed transitions recall or seams
- Issues related to successful use of dependent data
- Flexibility for Interviewer/Respondent interaction
- Mover individuals locating procedures and tools
- Changing respondents Data quality comparisons
- Respondent Identification Policy
- Paradata evaluation and integration



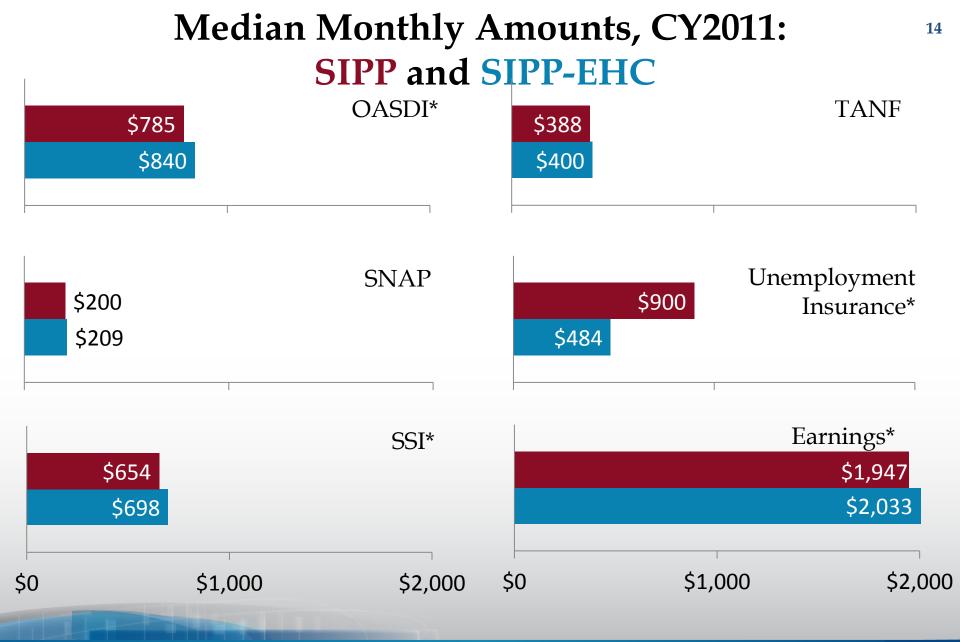


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Monthly Rates for CY2010 and 2011: SIPP and SIPP-EHC ¹³







Census Bureau

SIPP-EHC Reporting Accuracy in CY2011

	Monthly	Annual	Amounts
OASDI	+	+	+
SNAP	+	+	+
SSI	+	+	-
TANF	+	+	+
Medicare	+	+	
Medicaid	+	+	
Employment		+	
Earnings			+



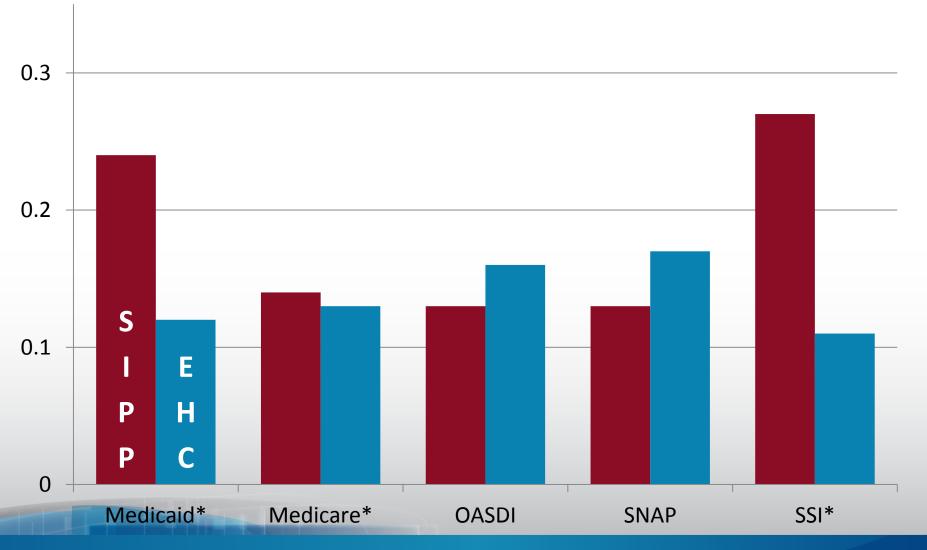
False Negatives and False Positives

Survey Data

		Yes	No
Administrative	Yes	True Positive	False Negative
Data	No	False Positive	True Negative

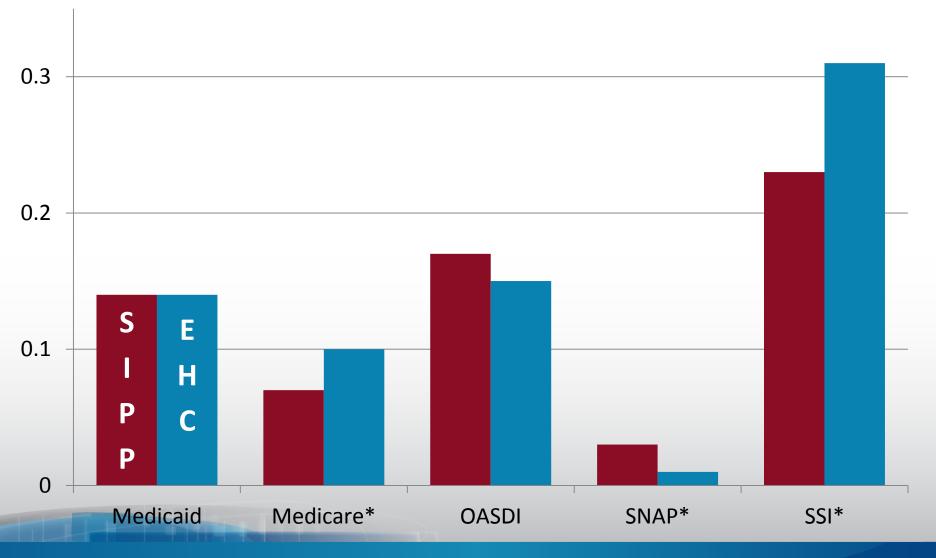


False Negative Rates for CY2011



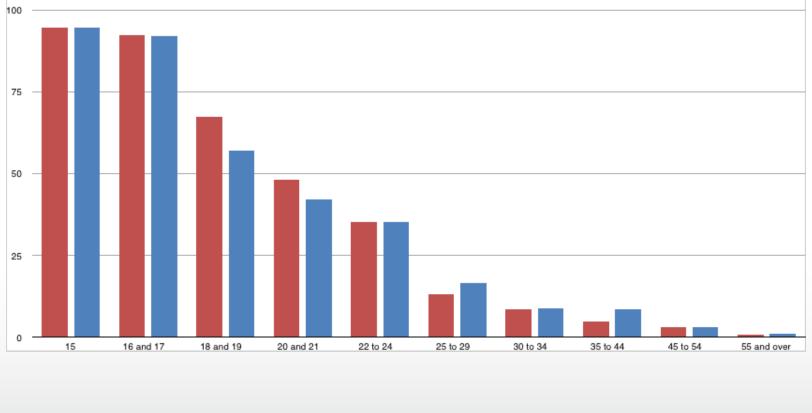


False Positive Rates for CY2011





Percent Enrolled by Age (Adults 15+): SIPP 2008 and SIPP-EHC 2011



SIPP-EHC

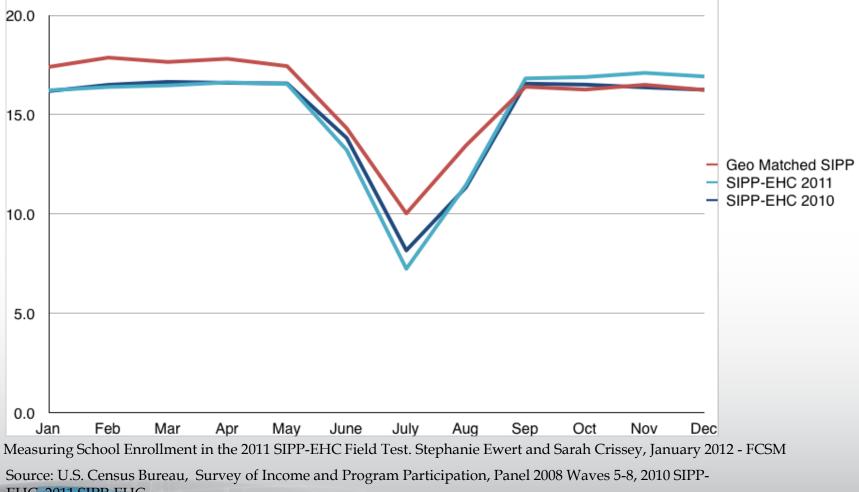
Measuring School Enrollment in the 2011 SIPP-EHC Field Test. Stephanie Ewert and Sarah Crissey, January 2012 - FCSM

*= Estimates are significantly different at the p < .10 level Source: U.S. Census Bureau, Survey of Income and Program Participation, 2008 Panel Waves 5-8, 2011 SIPP-EHC.

SIPP Geo-Matched



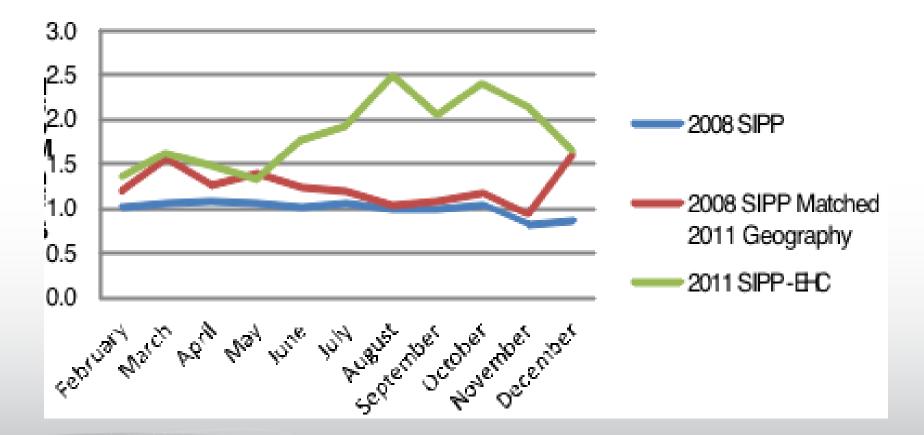
Percent Enrolled by Month (Adults 15+): SIPP 2008, SIPP-EHC 2010, and SIPP-EHC 2011



EHC, 2011 SIPP-EHC.



Mover Rates: 2008 SIPP and 2011 SIPP-EHC



Evaluating Residence History Information in the SIPP-EHC. Matthew Marlay and Peter Mateyka, January 2012 - FCSM



Initial Evaluation Conclusions

- SIPP-EHC and SIPP produce estimates that with few exceptions are not substantially different.
- SIPP-EHC agrees with administrative records data at least as well as SIPP in nearly every case.
- As in SIPP, transitions fall disproportionately on seams.



So....What's Next?

- Lots to be excited about!
- More evaluation
 - CY2013 comparisons to 2008 Panel
 - Administrative data comparisons
 - Topic Flag imputation model
 - Look at incidence of on-seam transitions in data from the justcompleted 2013 SIPP-EHC field test
- User outreach
 - Website overhaul
 - Orlin system
 - Workshops





Thank you!

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www.census.gov/SIPP



Demographics:

- Roster: Interview-month household residents
- Roster of people you lived with during the year but who aren't in the interview month household (Type 2)
- Age, race, Hispanic origin, sex
- Relationship to householder, including options for same-sex partners and spouses
- Marital status, spouse pointer, year of marriage, times married, ever widowed, ever divorced, fertility screener

	Address verification
-	Sample address characteristics and coverage
	Roster creation and demographics
	Type 2 Roster/Info
- 1	Additional person level demographics
	Income and program screener
	Residence History
	Marriage and Cohabitation
EVENT HISTORY CALENDAR (EHC)	School Enrollment
	Labor Force (Jobs, Businesses, Contingent Work, Unemployment, Not In Labor Force, Commuting, Work Schedule)
SAL	Programs (SSI,FS,TANF,GA,WIC)
	Health Insurance
	(Private, Medicare, Medicaid, Military, Oth
	Health insurance follow-up
	Dependent care expenses
	Social Insurance - Annual Programs - Other GI - Lump Sum - Child Support
	Assets / Balances
	Health (Medical Expenditures - Utilization, Disability
	Fertility, Child Care, Child Well-Being
	Housing - Material Wellbeing, Food Security, Basic Needs
	Wrap-up and Missing Follow-up visit/call Info
	Interview closeout
	Contact history instrument (CHI) with Neighborhood Observations Module



Demographics:

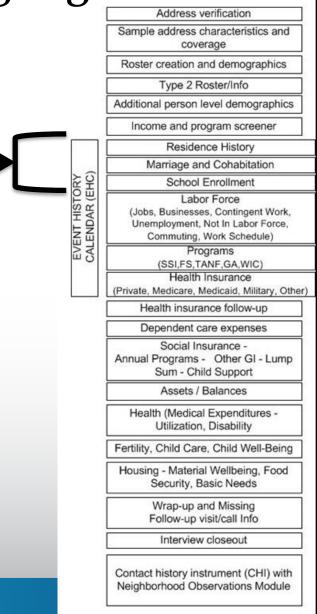
- Gender neutral parent identification (Parent 1 and Parent 2)
- Type of parent for parent 1 and 2
- Nativity, citizenship, year moved to U.S., immigration status
- Education: Attainment, vocational/technical, professional certificates and licenses
- Armed forces service: Veteran status, period of service, active duty

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Residency:

- Up to 5 residences during the calendar year for each person
- Tenure status of each residence
- Public housing status: Housing subsidy receipt, voucher receipt
- Reason for moving to address
- Left censor: Year and month moved into January address, tenure of prior residence



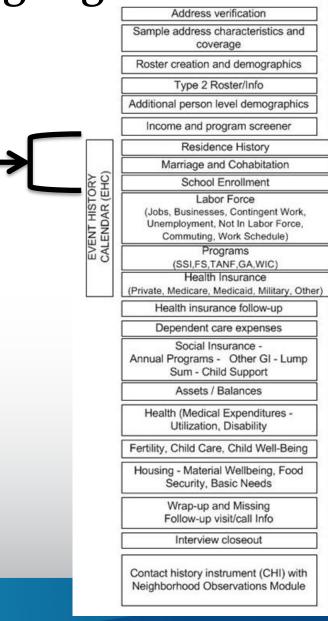


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2014 SIPP: Content Highlights

Marital History:

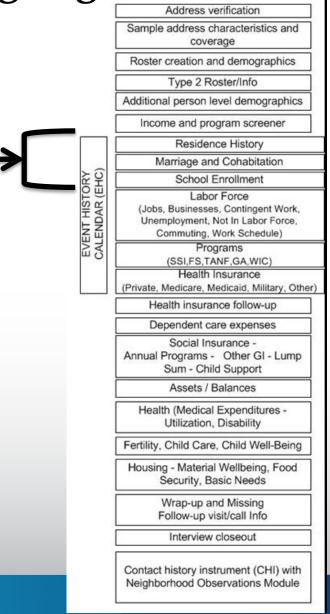
- Up to 3 marital status spells
- Monthly marital status, with spouse pointer
- Monthly cohabitation status, with partner pointer
- Registered domestic partner item for cohabitations





Educational Enrollment:

- Up to 3 spells of educational enrollment
- Grade attended
- School type (public, private, charter, home)
- Enrollment type (full-time/part-time)
- Grade repetition
- Head Start for children 7 and under

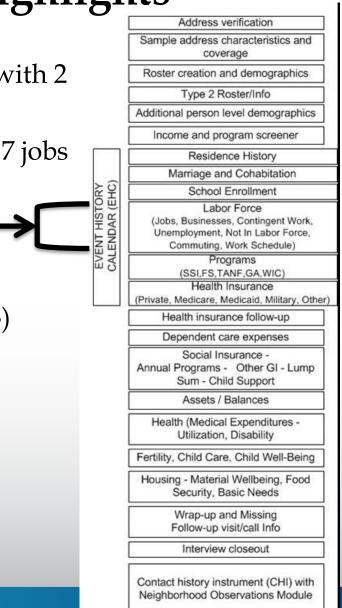




Labor Force:

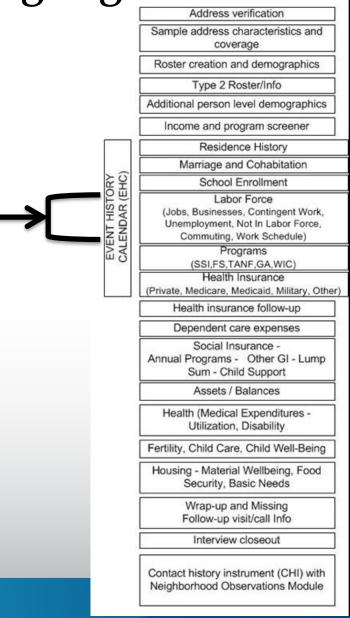
- Up to 7 discrete job/business timelines, each with 2 spells possible
- Timeline for additional work beyond the first 7 jobs
- Type of pay/pay rate
- Job earnings and business profits
- # of hours usually worked per week
- Changes in earnings or hours worked (up to 3)
- Industry, occupation, and class of worker
- Business/employer name, size, type, address
- Union status
- Incorporation status
- Presence of partners (business)
- Time away without pay





<u>Unemployment</u>:

- Spells of unemployment
- Time away from work
- Time out of the labor force
- Reason not working
- Availability for work
- Reason not available





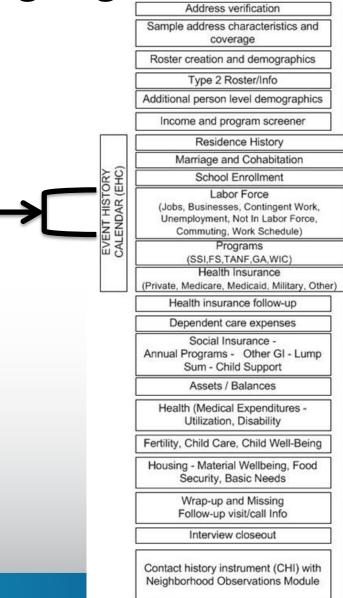
Commuting:

- Mode(s) of travel
- Time to work
- Miles to work
- Costs for a typical week
- Reimbursement of costs

Work Schedule:

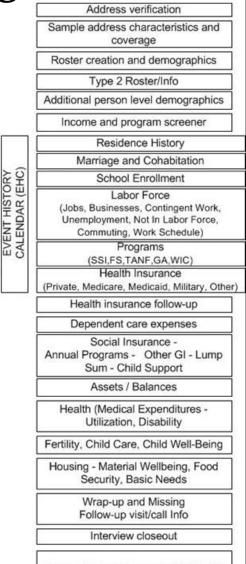
- Days worked
- Start and stop times
- Working from home
- Type of schedule
- Reason for schedule





Programs:

- Supplemental Security Income (SSI)
- Temporary Assistance for Needy Families (TANF)
- Pass-through child support payments
- Supplemental Nutrition Assistance Program (SNAP – Food Stamps)
- General Assistance
- Women, Infants, and Children's Nutrition Program (WIC)

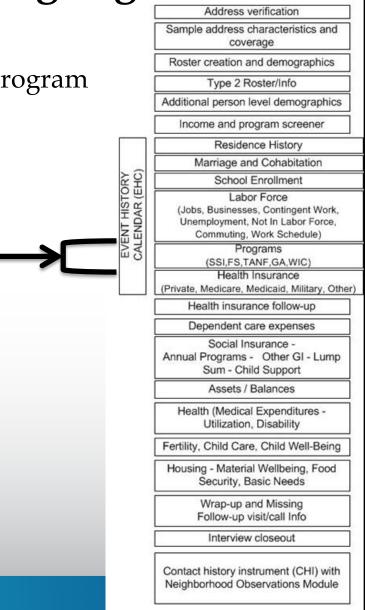


Contact history instrument (CHI) with Neighborhood Observations Module



Programs:

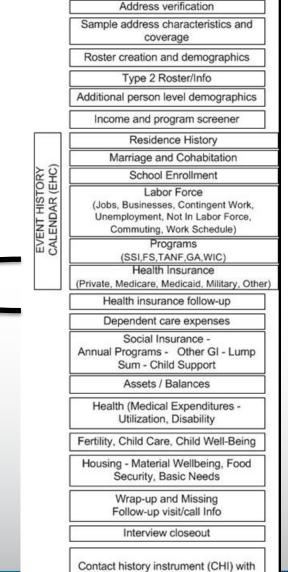
- Up to 3 spells per year recorded for each program
- Who in the household is covered
- Ownership of the coverage
- Reasons for starting and stopping
- Amount received each month
- Up to three changes in amounts





Health Insurance (in EHC):

- Private, Medicare, Medicaid, Military, and Other Coverage timelines
- Two timelines for private coverage to allow overlapping spells
- Who in the household is covered
- Whether anyone outside household covered
- Ownership of the coverage
- Type of coverage
- Cost
- Type of private plan
- Type of deductible

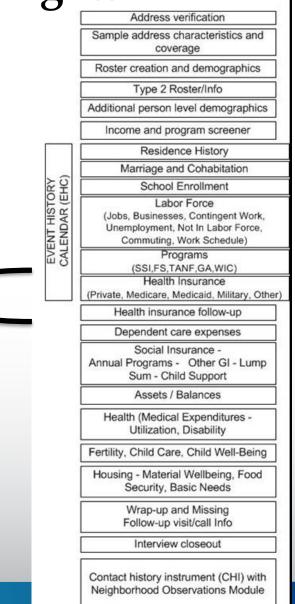


Neighborhood Observations Module



Health Insurance Follow-up (post-EHC):

- State-based health insurance exchange use
- Premiums and reimbursement
- Reconciliation of time without coverage
- Reasons for not being covered
- Reasons no private if employed but not covered
- Reasons no public if not covered at all





Programs (Annual and Other):

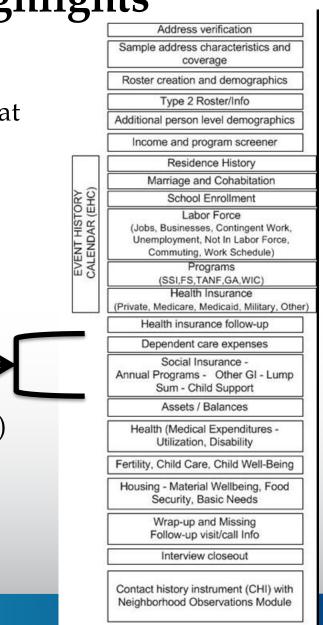
- Paid care of children or disabled persons so that a person could work, attend training, or look for work in December of reference year
- Total cost of that care in December
- VA benefits (monthly amts.)

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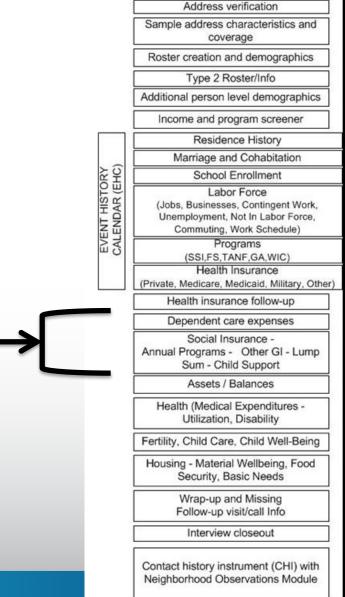
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- Social Security retirement income and deductions for Medicare (monthly amts.)
- Worker's compensation (monthly amts.)
- Unemployment compensation (monthly amts.)
- Energy assistance



Programs (Annual and Other):

- Free and reduced-price meal programs
- Lump-sum payments
- Disability income
- Retirement income
- Miscellaneous cash income
- Survivor benefits
- Child support and alimony received
- Support payments made
- EITC receipt and tax filing status
- Other training, food, clothing, cash, and housing assistance



<u>Assets – Income, Joint Holdings, and</u> <u>Balances/Values for</u>:

- Checking and savings
- Money market accounts or funds
- Certificates of deposit
- Mutual funds
- Stocks
- Municipal and corporate bonds
- Government securities and savings bonds
- Royalties
- Rental property and rental property mortgage balance
- Other mortgages
 - Miscellaneous investments



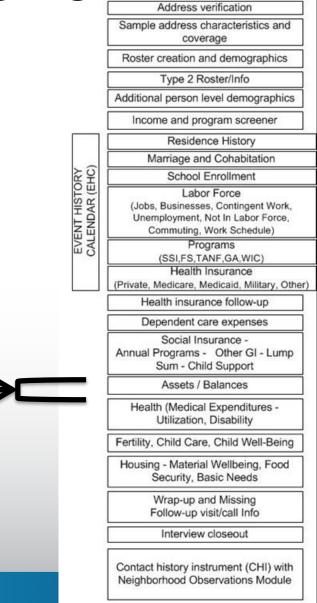
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2014 SIPP: Content Highlights

Other Assets:

- Real estate owned, market value, and balance owed
- Vehicles (up to 3 per household):
 - Use
 - Make
 - Model
 - Year
 - Balance owed
- Business value and debt
- Retirement account balances
- Unsecured liabilities





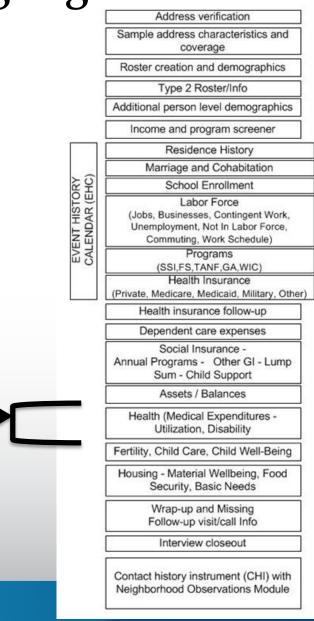
Medical Expenditures:

- Overall health status
- Medical out-of-pocket expenses
- Health care utilization
- Hospitalization
- Sick days
- Doctor visits
- Dental visits/teeth lost
- Drug coverage
- Insurance premium payments
- Medical visits by uninsured

U.S. Department of Commerce Economics and Statistics Administration

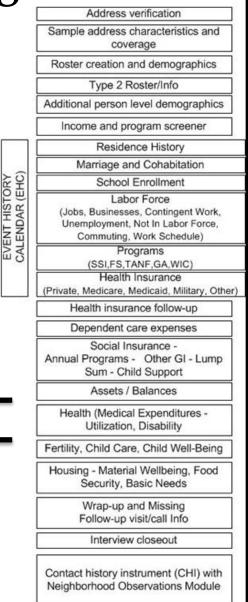
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Disability:

- Sensory disabilities (sight and hearing)
- For adults: Serious difficulty concentrating, remembering, making decisions, walking or climbing stairs, dressing or bathing, doing errands, finding a job or remaining employed, prevented from working
- For children: Serious difficulty concentrating, remembering, making decisions, walking or climbing stairs, dressing or bathing, playing with children of the same age, doing regular school work
- For young children: A developmental condition or delay that limits ordinary activity
- SSA: Disability section in the 2014 supplement



Census Bureau

Fertility:

- Roster and ages for children birthed/fathered
- Identification of 'other parent' if not resident, enabling multi-partner fertility measure
- Grandparent indicator

Parents' Nativity and Mortality:

- Asked about biological parents
- Collected for both mother and father
- Date of birth
- Country of birth
- Mortality status
- Month/year of death



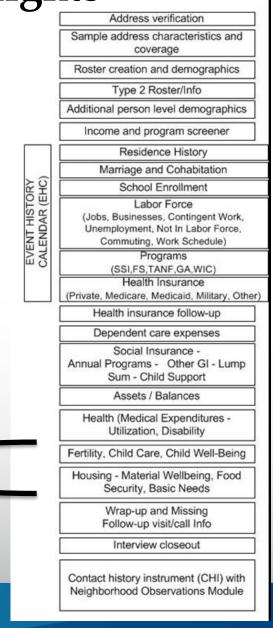
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Child Care:

- Type of arrangements used
- Which children used each
- Weekly amount paid for child care
- Assistance with costs
- Time lost from work related to child care





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2014 SIPP: Content Highlights

Child Well-Being:

- Eating dinner with parents
- Reading to and outings with children under 6
- School engagement, school effort
- Grade repetition, suspension, expulsion
- Gifted classes
- Sports, lessons, club participation, religious lessons

Adult/Material Well-Being:

- Problems with housing, pests, plumbing
- Environmental noise, trash, safety
- Ability to pay mortgage or utilities

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Food Security:

- Able to buy enough food
- Able to eat balanced meals
- Cut size of meals, and, if so, how often
- Defer food to children
- Hungry because not enough money for food

