

Description of plans for a SIPP calendar validation study: Study design and analysis

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Event History Calendars

- “...the use of event history calendars has considerable potential in assisting respondents to reconstruct their personal pasts more completely and accurately, maximizing the quality of retrospective reports.”
 - Dr. Robert Belli
University of Nebraska

What is an event history calendar (EHC)?

- An EHC interview is centered around a customized calendar that shows the reference period under investigation
- The calendar contains timelines for different domains, for example, residence history, household composition, work history, and other domains relevant to the topic of study
- Landmark events, such as holidays and birthdays can be used to aid the respondent's memory

April 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

June 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

July 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

September 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

March 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

January 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

October 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

December 2007						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

A few other surveys with Event History Calendars

- Panel Study of Income Dynamics – Univ. of Michigan
- National Survey of Family Growth – CDC/NCHS
- National Survey of Adolescent Health (AddHealth) - Univ. of North Carolina
- Los Angeles Family and Neighborhood Survey – UCLA
- English Longitudinal Study of Ageing – NatCen UK, University College London and the Institute for Fiscal Studies.
- Health and Retirement Study – Univ. Michigan (Nat. Inst. Ageing)
- 1998 National Retrospective Demographic Survey (EDER) – Mexico (INEGI)

SIPP calendar aided interview test 1989 to 1991

Person number (or name)	1988			1989						1990							
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB
Respondent person number																	
Address change?																	
Number of persons in household																	
Marital status																	
Employer 1:																	
Wages/Salary																	
Employer 2:																	
Wages/Salary																	
Self-employed (income)																	
Health insurance coverage:																	
Private																	
Medicaid																	
Medicare																	
Programs:																	
Workers' compensation																	
Unemployment payments																	
Child support																	
Food stamps																	
SSI																	
AFDC/ADC																	
General assistance																	
WIC																	
Pensions/Retirement:																	
Social Security Retirement																	
Private pension																	
State/Local govt. pension																	

1. R.O. Code
2. Control number

Form SIPP-9030 U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

EVENT CALENDAR

- INCOME SOURCE LIST**
- Social Security
 - U.S. Government Railroad Retirement pay
 - Federal Supplemental Security Income (SSI)
 - State Supplemental Security Income (State administered SSI only)
 - State unemployment compensation
 - Supplemental Unemployment Benefits
 - Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
 - Veterans compensation or pensions
 - Black lung payments
 - Workers' compensation
 - State temporary sickness or disability benefits
 - Employer or union temporary sickness policy
 - Payments from a sickness, accident, or disability insurance policy purchased on your own
 - Aid to Families with Dependent Children (AFDC, ADC)
 - General assistance or General relief
 - Indian, Cuban, or Refugee Assistance
 - Foster child care payments
 - Other welfare
 - WIC (Women, Infants, and Children Nutrition Program)
 - Food stamps
 - Child support payments
 - Alimony payments
 - Pension from company or union
 - Federal Civil Service or other Federal civilian employee pensions
 - U.S. Military retirement pay
 - National Guard or Reserve Forces retirement
 - State government pensions
 - Local government pensions
 - Income from paid-up-life insurance policies or annuities
 - Estates and trusts
 - Other payments for retirement, disability, or survivor
 - G.I. Bill
 - Other VA educational assistance
 - Income assistance from a charitable group
 - Money from relatives or friends
 - Lump sum payments
 - Income from roomers or boarders
 - National Guard or Reserve pay
 - Incidental or casual earnings
 - Other cash income not included elsewhere

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Control Number: _____ Date: _____
 ENTER LINE # OF HH Member: ____ Field Rep Code: _____
 CHECK ONE: Self response Proxy IF PROXY, ENTER LINE # OF PROXY _____

2007 EVENT HISTORY CALENDAR

OMB #, expiration date, form name *NOTICE – Your report to the U.S. Census Bureau is confidential by law (Title 13, U.S. Code). It may be seen only by individuals who are sworn for life to protect the confidentiality of these data and may be used only for statistical purposes.*

Landmark Events	Started before Jan 07	WINTER		SPRING			SUMMER			FALL			WINTER	Cont. into 2008
		Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov		
ENTER DESCRIPTION														
A Residences														
Current: RECORD ONLY WHETHER IT IS Public Housing (PH), Section 8 (S8), Other Program (OP)														
Former Address: RECORD ADDRESS AND Public Housing (PH), Section 8 (S8), Other Program (OP)														
Former Address: RECORD ADDRESS AND Public Housing (PH), Section 8 (S8), Other Program (OP)														
B School Enrollment														
C Labor Force		Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec	
#1 Employer Occupation _____ CHECK ONE: _____ Pay Rate _____ <input type="checkbox"/> Employer <input type="checkbox"/> Self-Employed <input type="checkbox"/> Other Avg. hrs/week _____														
#2 Employer Occupation _____ CHECK ONE: _____ Pay Rate _____ <input type="checkbox"/> Employer <input type="checkbox"/> Self-Employed <input type="checkbox"/> Other Avg. hrs/week _____														
#3 Employer Occupation _____ CHECK ONE: _____ Pay Rate _____ <input type="checkbox"/> Employer <input type="checkbox"/> Self-Employed <input type="checkbox"/> Other Avg. hrs/week _____														
#4 Employer Occupation _____ CHECK ONE: _____ Pay Rate _____ <input type="checkbox"/> Employer <input type="checkbox"/> Self-Employed <input type="checkbox"/> Other Avg. hrs/week _____														
#5 Employer Occupation _____ CHECK ONE: _____ Pay Rate _____ <input type="checkbox"/> Employer <input type="checkbox"/> Self-Employed <input type="checkbox"/> Other Avg. hrs/week _____														
D Unpaid Labor														
E Employment Summary														
Was R looking for work? (Y-N)														
F Workers Insurance Programs														
Disability	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Unemployment	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	
Workers compensation	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	

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G6. RECORD ANSWER(S): <input type="checkbox"/> Employer/Union <input type="checkbox"/> Government <input type="checkbox"/> Other	G9. RECORD ANSWER(S): <input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid, Medical Assistance, CHIP, other government assistance health plan <input type="checkbox"/> VA/Military <input type="checkbox"/> Something else	G14. RECORD ANSWER(S): <input type="checkbox"/> Employer/Union <input type="checkbox"/> Government <input type="checkbox"/> Other	G17. RECORD ANSWER(S): <input type="checkbox"/> Medicare <input type="checkbox"/> Medicaid, Medical Assistance, CHIP, other government assistance health plan <input type="checkbox"/> VA/Military <input type="checkbox"/> Something else
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G	Health Insurance	Started before Jan 07	WINTER			SPRING			SUMMER			FALL		WINTER Dec	Cont. into 2008	Receive Now?	
			Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov				
	Employer-sponsored coverage?															Y	N
	Medicare?															Y	N
	Medicaid?															Y	N
	Military or VA Coverage?															Y	N
	Directly-purchased coverage?															Y	N
	Other health insurance? <i>Describe:</i>															Y	N
	Uninsured?															Y	N
H	Social Security																
	Social Security?		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N
	Medicare Part B deduction?		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N
I	Social Welfare																
	Temporary Assistance for Needy Families (TANF)? Person number(s) of beneficiary _____		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N
	Food Stamps? Person number(s) of beneficiary _____		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N
	(Ask only of females) WIC? Person number(s) of beneficiary _____															Y	N
	Supplemental Security Income (SSI)? Person number(s) of beneficiary _____		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N
	Social Security Disability Insurance (SSDI)? Person number(s) of beneficiary _____		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$		Y	N

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2008 Field Test Evaluation Groups

- Wave 11 2004 Panel Cases (Primed)
- Wave 8 2004 Panel Sample Reduction Cases (Un-Primed)
- Replacement households

- The event history calendar (EHC) will be administered to each of these household groups.
- An additional group will be created by the universe which matches to administrative records in the validation phase of the analysis.

2007 Reference Period SIPP Cases

SIPP 2004 PANEL REFERENCE PERIOD MONTHS IN CALENDAR YEAR 2007 BY ROTATION GROUP									
CALENDAR MONTH		ROTATION GROUP							
		1		2		3		4	
		Ref. Period	Intw. Month	Ref. Period	Intw. Month	Ref. Period	Intw. Month	Ref. Period	Intw. Month
2006	October		W9						
	November				W9				
	December	W10		W10			W9		
2007	JANUARY					W10			W9
	FEBRUARY		W10					W10	
	MARCH				W10			W10	
	APRIL	W11					W10		
	MAY			W11					W10
	JUNE		W11			W11			
	JULY				W11			W11	
	AUGUST	W12					W11		
	SEPTEMBER			W12					W11
	OCTOBER		W12			W12			
	NOVEMBER				W12			W12	
	DECEMBER						W12		
2008	January								W12

** FEBRUARY 2008 – START OF NEW 2008 PANEL **

2007 Test Site SIPP Cases

Table 1. 2008 Field Test -- Approximate Number of Available Cases

	Illinois	Texas	Maryland
SIPP 2004 Available Cases (1)	Available Households	Available Households	Available Households
Total households	936	1048	884
Wave 10 completed households	508	614	268
Wave 8 reduced households	428	434	616

Source: Survey of Income and Program Participation - 2008 Re-engineering field test 1.

Notes: (1) Households were selected for interview in the field test from those completing interviews through Wave 10 in Illinois and in four metropolitan areas of Texas.

(2) If a selected address interviewed for the Event History Calendar test does not include any SIPP 2004 respondents we will utilize the cases as a type of 'un-primed' replacement households.

2008 Evaluation Plan

Domains

- Residential Moves
- School Enrollment
- Labor Force
- Workers Insurance Programs
- Health Insurance
- Social Security
- Social Welfare Programs
- Asset Ownership

Comparisons

- Measurement of occurrence
- Relative timing
- Contemporaneous events
- Distributional differences

Evaluations

- Interviewer debriefing
- Interview observation
- Respondent debriefing
- Focus groups

2008 Validation Plan

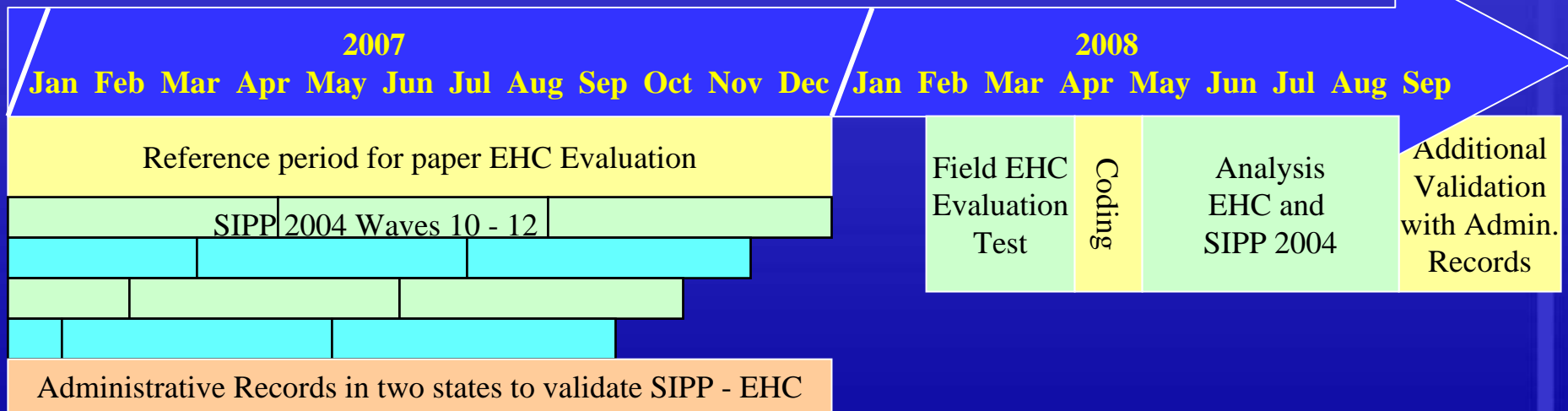
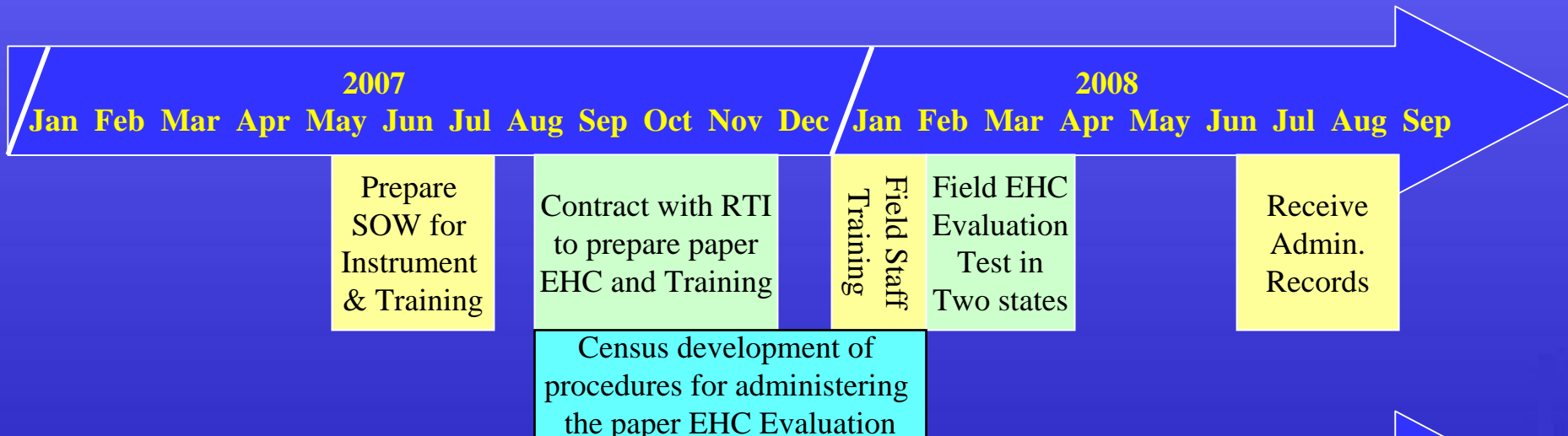
Administrative Records

- Medicare
- Social Security
- SSI
- Unemployment Wage Information
- TANF
- Food Stamps

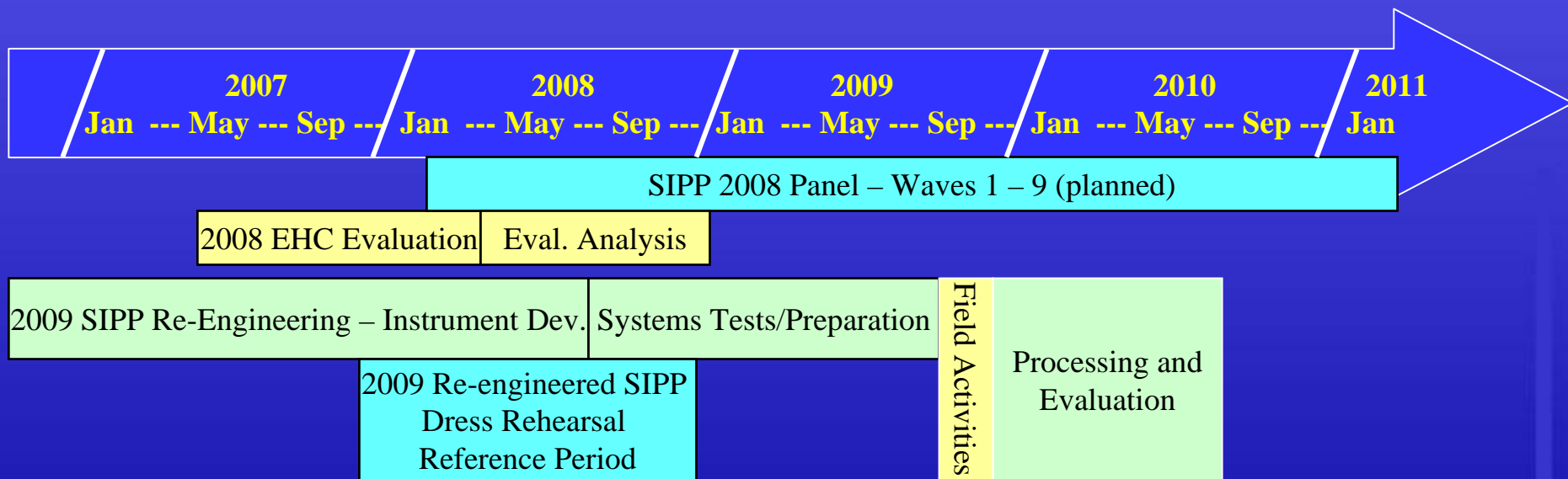
Validations

- By domain – assess the agreement between the survey responses and the administrative records.
 - Occurrence
 - Timing (Survey to Records)
 - Distributional differences
- Evaluate the characteristics of the survey respondents matching and not matching administrative records by domain.

2008 EHC Evaluation Test



2009 Re-engineered SIPP Dress Rehearsal



Questions for Advisory Committee

- We seek constructive criticism concerning any and all aspects of the study design and directed toward ways to strengthen it.
- For the primary comparisons, SIPP reports compared with EHC reports, and survey reports compared with records data we envision an analysis focused on:
 - missed events/circumstances in one or the other interviewing method,
 - differences in the reported timing of events and in income amounts received,
 - more or less reasonable distributions of spell transitions across calendar months.

We would appreciate comments on this overall evaluation strategy and suggestions for additional analyses or other ways to improve it.

- What additional evaluation methods might be employed to better understand the EHC interview process?