TIME AND TIMING OF EMPLOYMENT ACTIVITY: EVENT HISTORY CALENDARS IN THE PANEL STUDY of INCOME DYNAMICS

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Main Points

PSID and Shift to EHC

EHC as a computerized data collection tool

Graphical User Interface and phone CAI

Extensions to other domains (lifecourse, educational history)

Methods studies

Panel Study of Income Dynamics

- Since 1968
- Unique in Using both Calendar and Diary Methods
- 2-year computerized calendar was introduced in 2003
- Motivated by move to biennial data collection in 1999 (annual until 1997)
- Methodological work with paper & pencil calendar illustrated feasibility and data quality (Belli, Shay, and Stafford, <u>Public Opinion</u> <u>Quarterly</u>, 2001)

PSID: Prior to Calendar

- To assess the number of weeks in a calendar year
 - Employed, unemployed, out-of-the labor force, missing work due to vacation, illness of oneself, illness of another
 - Separate questions for each status
- We're interested in how you spent your time from January through December 1996.
 - Did you miss any work in 1996 because you were sick?
 - (if yes) How much work did you miss (days, weeks, months)
 - Did you miss any work in 1996 because you were unemployed and looking for work?
 - (if yes) How much work did you miss (days, weeks, months)
- At the end, interviewer would add up the weeks, and negotiate with respondent until 52 weeks was the result

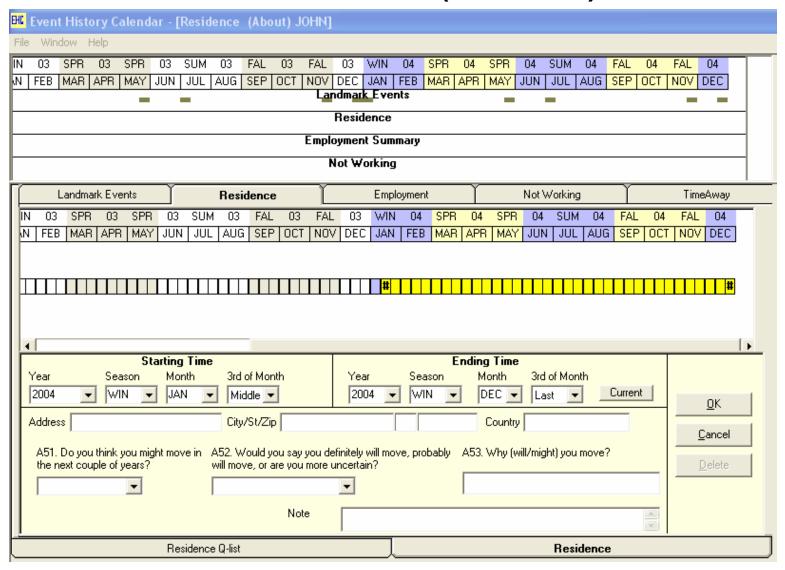
Calendar and Diary

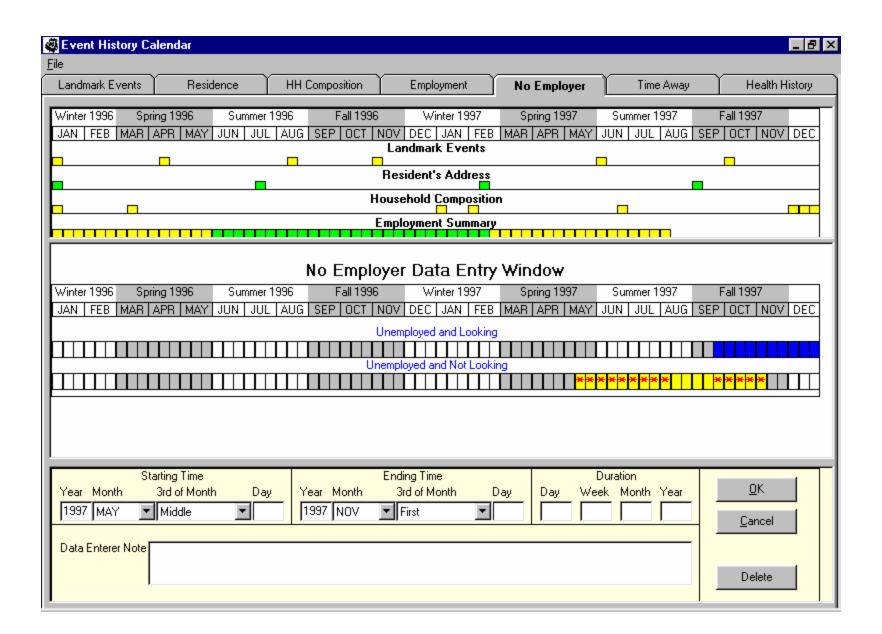
- Appear very different
- What are the commonalities?
 - Chronological time as the primary retrieval organizer (sequential retrieval)
 - Softening of standardization with flexible interviewing
 - Both amenable to GUI for interviewers and over the phone
 - Support measures of jointly occurring activities such as secondary jobs or secondary time uses

EHC METHODS

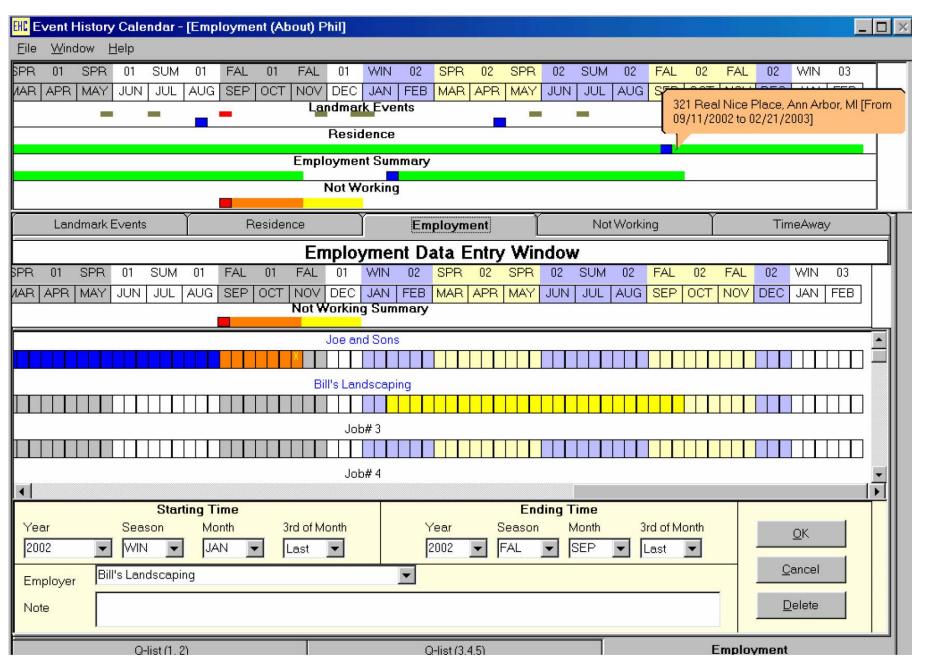
- Provides structure of timelines and domain themes that reflect the structure of autobiographical memory
- Facilitates the use of three memory retrieval mechanisms to more completely and accurately reconstruct the past
 - Top-down associations
 - Sequential associations
 - Parallel associations
- Allows the use of a more naturalistic narrative approach to remembering
- Encourages motivation to remember as the inherent cueing mechanisms lends retrieval to be more productive

RESIDENTIAL TIMELINE PSID EHC (03-07)





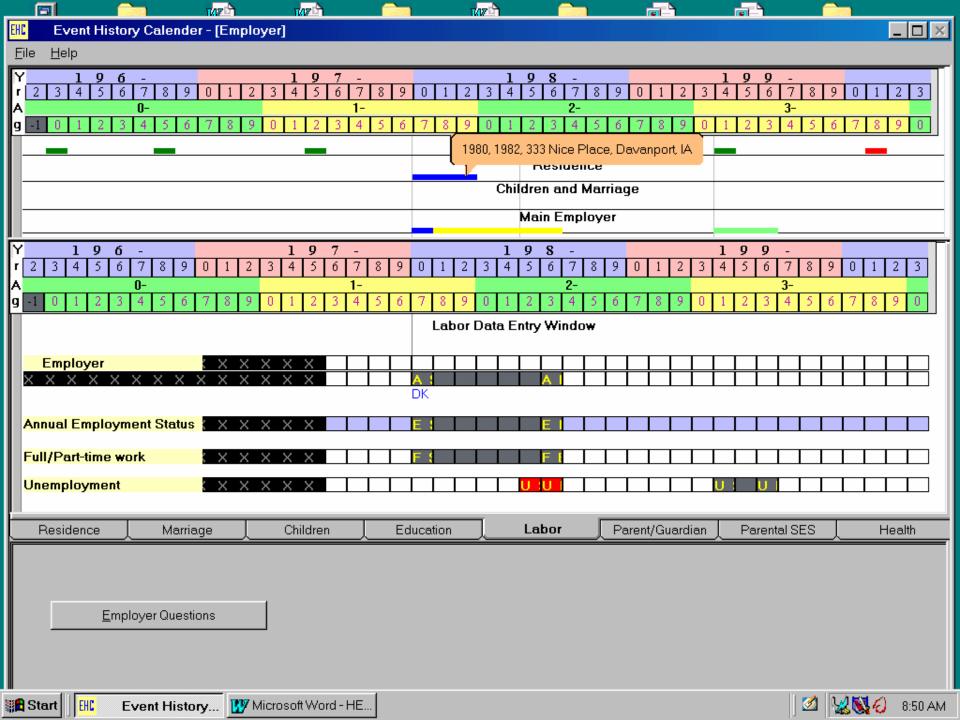
PSID 2003 EHC instrument



	Whether	Direct Quantity	Derived Quantity	When
Move	EHC			
Entered Residence			ehc	
Left Residence			=	
Jobs		ehc		
Income		EHC		
Employed		=	EHC	EHC
Unemployed		EHC	EHC	EHC
Out of Labor Force		=	ehc	
Vacation		=		
Self-III		EHC		
Other-III		EHC		
ADC/AFDC	=		Q-L	Q-L
Food Stamps	=		=	=

PSID LIFECOURSE PILOT

- Respondents and interviewers randomly assigned to EHC and Q-list conditions
 - EHC N = 313 (94% response rate), mean age = 62.0 years
 - Q-list N = 318 (97% response rate), mean age = 61.6 years
- Interviewer training
 - 21 hours (over 3 days) in both conditions
 - Specific training in EHC for sequential and parallel probes
 - Specific training in Q-list for year/age conversion facility
- Outcome variables
 - Annual correspondence between experimental retrospective and prospective panel reports on moves, amount of time employed, years unemployed and cohabiting, smoking, and health status



LIFE COURSE PILOT

- Retrospective and panel agreement
 - With number of lifetime marriages excellent in both conditions (EHC kappa = .84, Q-L k = .92, z = -2.22)
 - EHC slightly underreported
 - 6.1% to 0.3% for CQ
 - With number of years in cohabitations
 - Approximately 80% of Rs in both conditions exactly matched
 - No tendency to over- or under-report in either condition
 - EHC led to significantly stronger correlation (r = .54) with panel reports in comparison to CQ (r = .15)
 - With number of years unemployed
 - Poor agreement; levels of underreporting equally high in both conditions
 - EHC: 60.2%; CQ: 58.1%
 - EHC led to a significantly stronger correlation (r = .34) with panel reports in comparison to CQ (r = .17)

- Calendar-based interviewing and data collection has a role in surveys
- Leads to higher quality retrospective reports in comparison to traditional standardized CQ interviews
 - Paper & pencil and computer-assisted
 - Face-to-face and telephone
 - Self-administered and web
 - Lifecourse and shorter reference periods
 - Confirms roles for
 - Autobiographical memory cues
 - Conversational flexibility
 - BUT, lessons to be learned (AFDC, marriage)
- Calendars can be integrated with Q-list questions in total questionnaire package

RESEARCH USING EHC FILES

- To date simple summaries along the lines of q-list posted on-line in PSID Data Center
- Need to use the fine grained timing
- Analysis of Event History Models spells of unemployment, residence
- Use of month strings in other (vehicle purchase, receipt of transfer income)

EHC Applications

- Application to pre-study histories in Crosssections
- Effective in domains such as partner histories (domestic partner violence study by Yoshihama et.al., 2005)
- Educational History Calendar?
- Health Conditions issues
- Redesign of time diaries (secondary and tertiary activities or conditions, location,...)