Child Care & Early Education
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A Comprehensive Resource for Researchers and Policy Makers

CCEERC: Using Data from the EHS Research and Evaluation Study

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Workshop Presented at Head Start's 7th National Research Conference

Research Connections
www.childcareresearch.org

Promote

- **High quality research in child care and early education**
- **Research-based policymaking**

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Research and Evaluation Project
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How

- Foster dialogue and collaboration
- Provide tools to improve research
- Disseminate rigorous findings to inform policy
- www.childcareresearch.org
- Technical assistance and collaboration

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A searchable, relational database of

- Nearly 4,000 references
  - 250+ scholarly journals
  - 270 web sites
- Original research reports
- Data collection instruments and measures
- Peer reviewed articles
- Full text of resources

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Resource Database Includes

- Citation information
- Subject terms and topic classification
- Description
- Abstract
- In-depth descriptions of original research reports
- Country
- State

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As well as…

- Tools to help evaluate the quality of research and place it in a policy context
- Content related to research—e.g., media coverage and book reviews
- Information about federal, state and tribal policies and programs
- 50-state data tool to compare policies and demographics across states
- Data sets for secondary analysis

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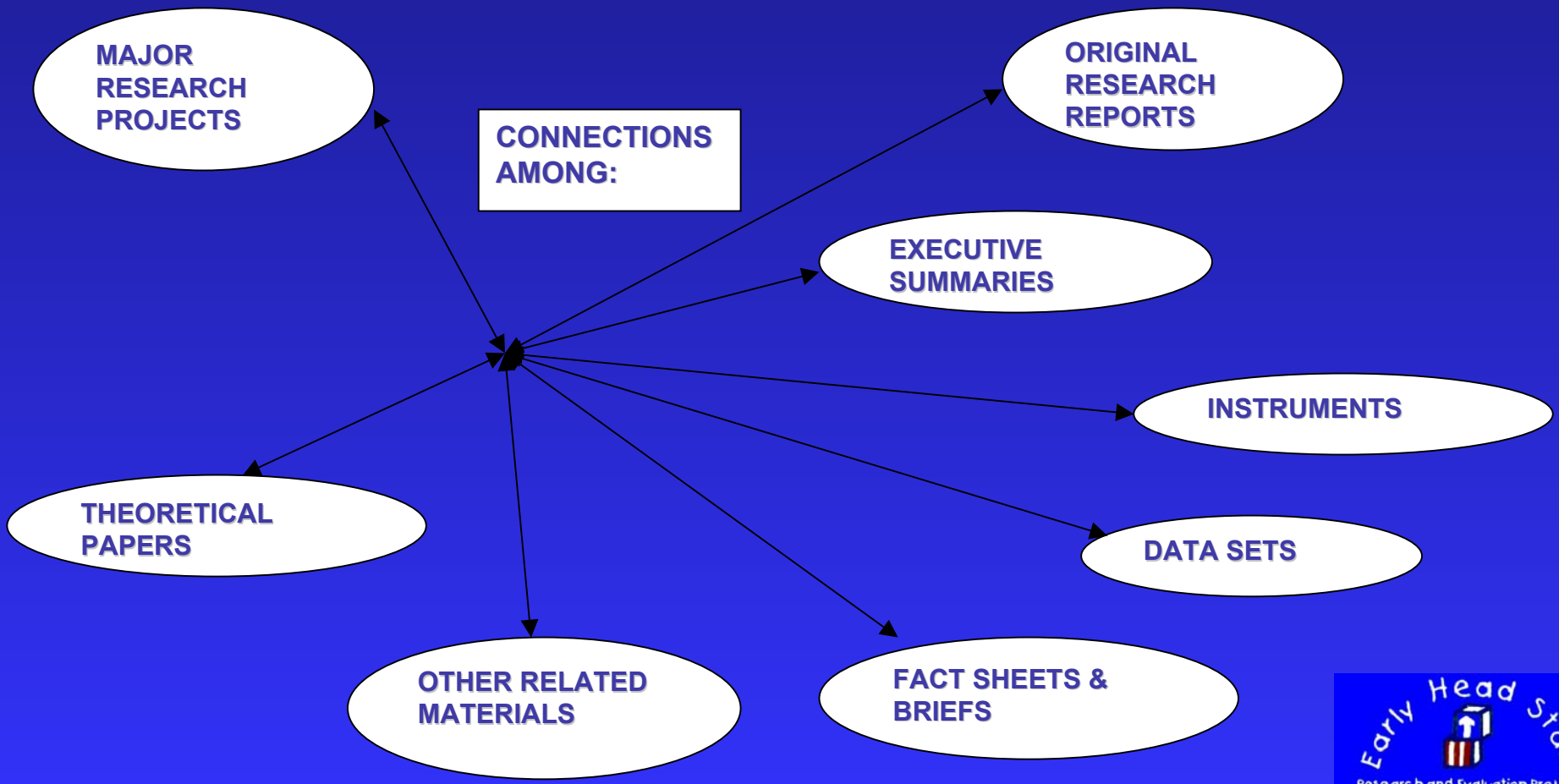

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The Early Head Start Program

- Two-generation program
- Child development with parenting education and self-sufficiency
- Follows the Head Start Program Performance Standards
- Program models fit community needs—center-based, home-based or mixed approach
- Any program can apply to become a Head Start program; most are affiliated with Head Start programs to begin with
- Over 700 programs serving about 62,000 children

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The Early Head Start Research and Evaluation Project

- Began in 1995; reports to Congress in 2001 and 2002
- Led by Mathematica Policy Research and National Center for Children and Families (at Columbia University)
- Local researchers in 15 universities involved
- In 17 Early Head Start programs—about 1/3 center-based, 1/3 home-based, and 1/3 mixed-approach
- Followed 3,001 children and families from enrollment in program until child age 3
- Used random assignment—program and control group

Research Conducted by Early Head Start Research Consortium

The Consortium consists of representatives from 17 programs participating in the evaluation, 15 local research teams, the evaluation contractors, and ACF/ACYF.

Research institutions in the Consortium (and principal researchers) include ACF (Rachel Chazan Cohen, Judith Jerald, Esther Kresh, Helen Raikes, and Louisa Tarullo); Catholic University of America (Michaela Farber, Lynn Milgram Mayer, Harriet Liebow, Christine Sabatino, Nancy Taylor, Elizabeth Timberlake, and Shavaun Wall); Columbia University (Lisa Berlin, Christy Brady-Smith, Jeanne Brooks-Gunn, and Alison Sidle Fuligni); Harvard University (Catherine Ayoub, Barbara Alexander Pan, and Catherine Snow); Iowa State University (Dee Draper, Gayle Luze, Susan McBride, Carla Peterson); Mathematica Policy Research (Kimberly Boller, Ellen Eliason Kisker, John M. Love, Diane Paulsell, Christine Ross, Peter Schochet, Cheri Vogel, and Welmoet van Kammen); Medical University of South Carolina (Richard Faldowski, Gui-Young Hong, and Susan Pickrel); Michigan State University (Hiram Fitzgerald, Tom Reischl, and Rachel Schiffman); New York University (Mark Spellmann and Catherine Tamis-LeMonda); University of Arkansas (Robert Bradley, Mark Swanson, and Leanne Whiteside-Mansell); University of California, Los Angeles (Carollee Howes and Claire Hamilton); University of Colorado Health Sciences Center (Robert Emde, Jon Korfmacher, JoAnn Robinson, Paul Spicer, and Norman Watt); University of Kansas (Jane Atwater, Judith Carta, and Jean Ann Summers); University of Missouri-Columbia (Mark Fine, Jean Ispa, and Kathy Thornburg); University of Pittsburgh (Carol McAllister, Beth Green, and Robert McCall); University of Washington School of Education (Eduardo Armijo and Joseph Stowitschek); University of Washington School of Nursing (Kathryn Barnard and Susan Spieker); and Utah State University (Lisa Boyce and Lori Roggman).

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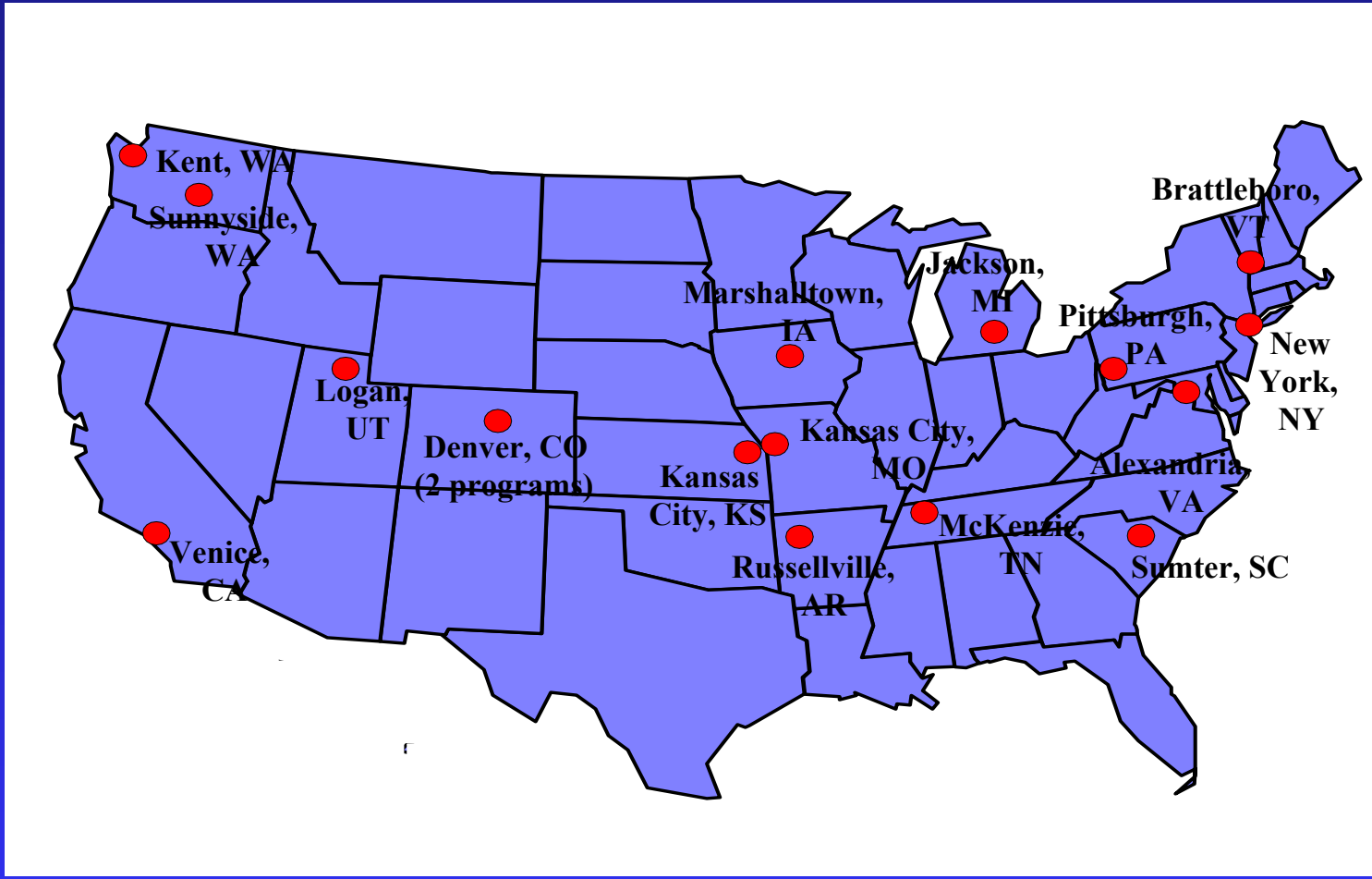
Early Head Start Research Sites



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Many Assessments Used in the Project

- Baseline Demographic Data
- Family service use data 6, 15, and 26 months after enrollment (both program and control)
- Child and family data collected when children were 14, 24, and 36 months old
  - Parent interview
  - Videotaped observations of parent-child interaction
  - Child assessments
  - Interviewer observations

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Additional Assessments (Most Available Later)

- Father Data at 24 and 36 Months (n = approx. 650)
  - Father Interview
  - Videotaped Observations of Father-Child Interactions
  - Qualitative Interviews
- Child Care Observations at 14, 24, and 36 Months

Findings

- Early Head Start was broadly effective with modest impacts across a wide array of child and parent outcomes.
- Effects were found in 27 program and family subgroups.
- In several subgroups, impacts were larger, demonstrating potential of the program for the future.
- Child Care is Relevant: Early Head Start increased the probability of children receiving child care and increased the probability of children receiving good quality center-based care.

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CCEE*RC* Public Use File

Constructed variables used in Interim and Final Reports (source data available later)

- Baseline Data: Health; Family Composition; Demographics; Employment; Dunst Family Resource Scale; Depression (in 8 sites).
- Service Use Data: Parent Services Interview (PSI) at 6, 15, 26 months after random assignment: Health; Child Care Needs and Use; Dunst Scales; Goals Met in Dunst Areas.
- "Birthday Related" Data: Interviews and Observations at 14, 24, 36 months of child age: Child and Parent Outcomes, Scales and Factors.

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Baseline Variables in Public Use File

Demographic data for primary caregiver, focus child, other household members

Receipt of welfare and other assistance, income level

Dunst Family Resource Scale

Child health & child birth status

8 sites: maternal depression

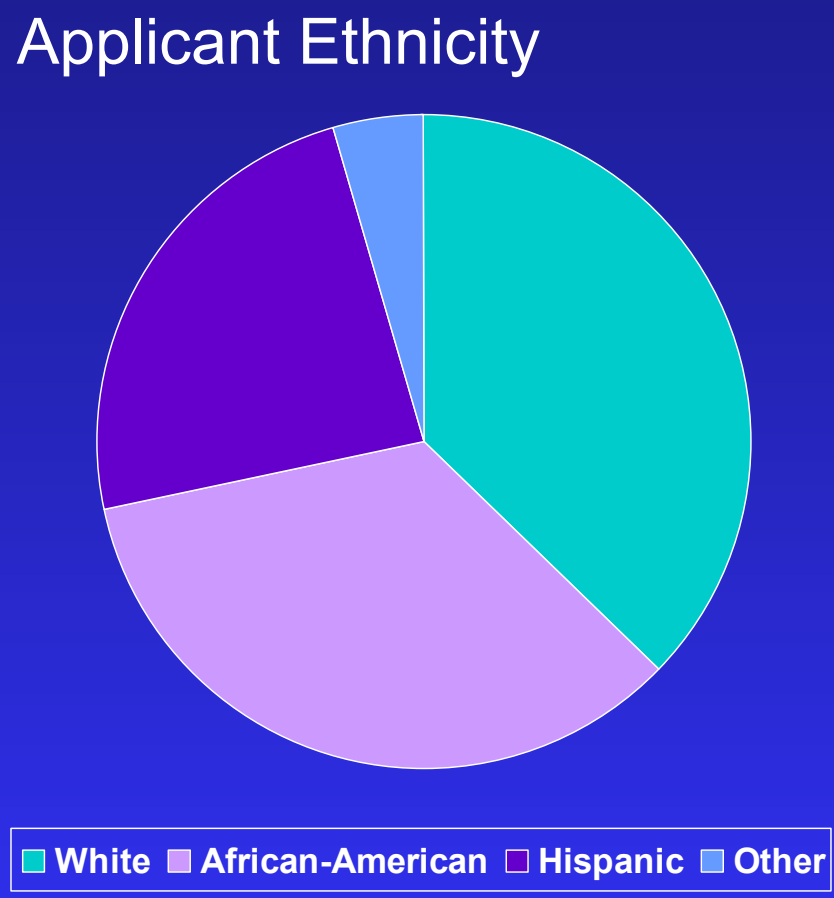
Maternal risk index

Case information: program group status, random assignment date

Baseline Demographics

Thirty-nine percent of applicants were teenaged at enrollment

Forty-eight percent of applicants had not completed high school (nor earned a GED) at enrollment



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Child Development Variables in Public Use File (1)

Measure	Data Source
Child Health Status	14-, 24- and 36-Month Parent Interviews
Child cognitive and language development	
Bayley Mental Development Index (MDI)	Direct Child Assessment (14, 24 and 36 months)
Vocabulary production and sentence complexity	24-Month Parent Interviews
Receptive vocabulary	Direct Child Assessment (36 Months)

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Child Development Variables in Public Use File (2)

Child social and emotional well-being

Measure	Data Source
Child engagement, negativity toward parent, and sustained attention with objects	Coding from Videotaped Parent-Child Semistructured Play Task (14, 24 and 36 months)
Child engagement, persistence, and frustration	Coding from Videotaped Puzzle Challenge Task (36 Months)
Emotional regulation, orientation/engagement	Interviewer Observations (24 and 36 months)
Aggressive behavior	24- and 36-Month Parent Interviews

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Parenting Variables in Public Use File (1)

Parenting Behavior, Knowledge, and the Home Environment

Measure	Data Source
Knowledge of child development Discipline strategies Safety precautions	14-, 24- and 36-Month Parent Interviews
Parent warmth, harshness and stimulation of language and learning	14-, 24- and 36-Month Parent Interviews
Quality of cognitive and emotional support provided in the home environment	14-, 24- and 36-Month Parent Interviews and Interviewer Observations
Father Involvement	14-, 24- and 36-Month Parent Interviews

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Parenting Variables in Public Use File (2)

Parenting Behavior

Measure	Data Source
Parent supportiveness Parent detachment Parent intrusiveness Parent negative regard of child	Coding from Videotaped Parent-Child Semistructured Play Task (14, 24 & 36 Months)
Parent quality of assistance Parent detachment Parent intrusiveness	Coding from Videotaped Puzzle Challenge Task (36 Months)

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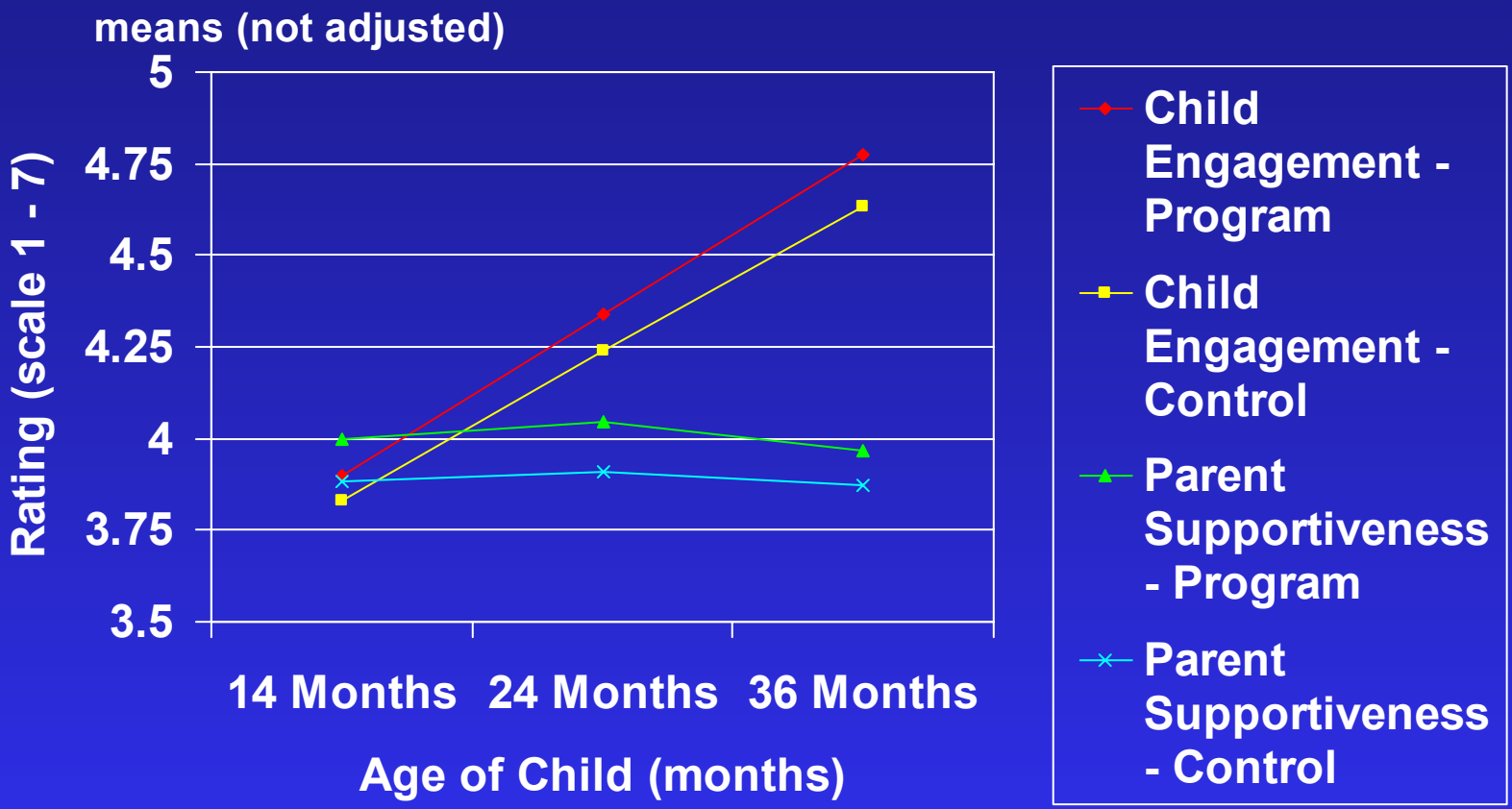
Child Engagement, Parent Supportiveness at 14, 24, and 36 Months of Age



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Family Outcomes Variables in Public Use File

Measure	Data Source
Parent's Health and Mental Health (depression, parenting stress)	14-, 24- and 36-Month Parent Interviews
Family Functioning (family conflict)	14-, 24- and 36-Month Parent Interviews
Self-Sufficiency (education and training, welfare receipt, employment and income)	6-, 15, and 26-Month Parent Services Interviews

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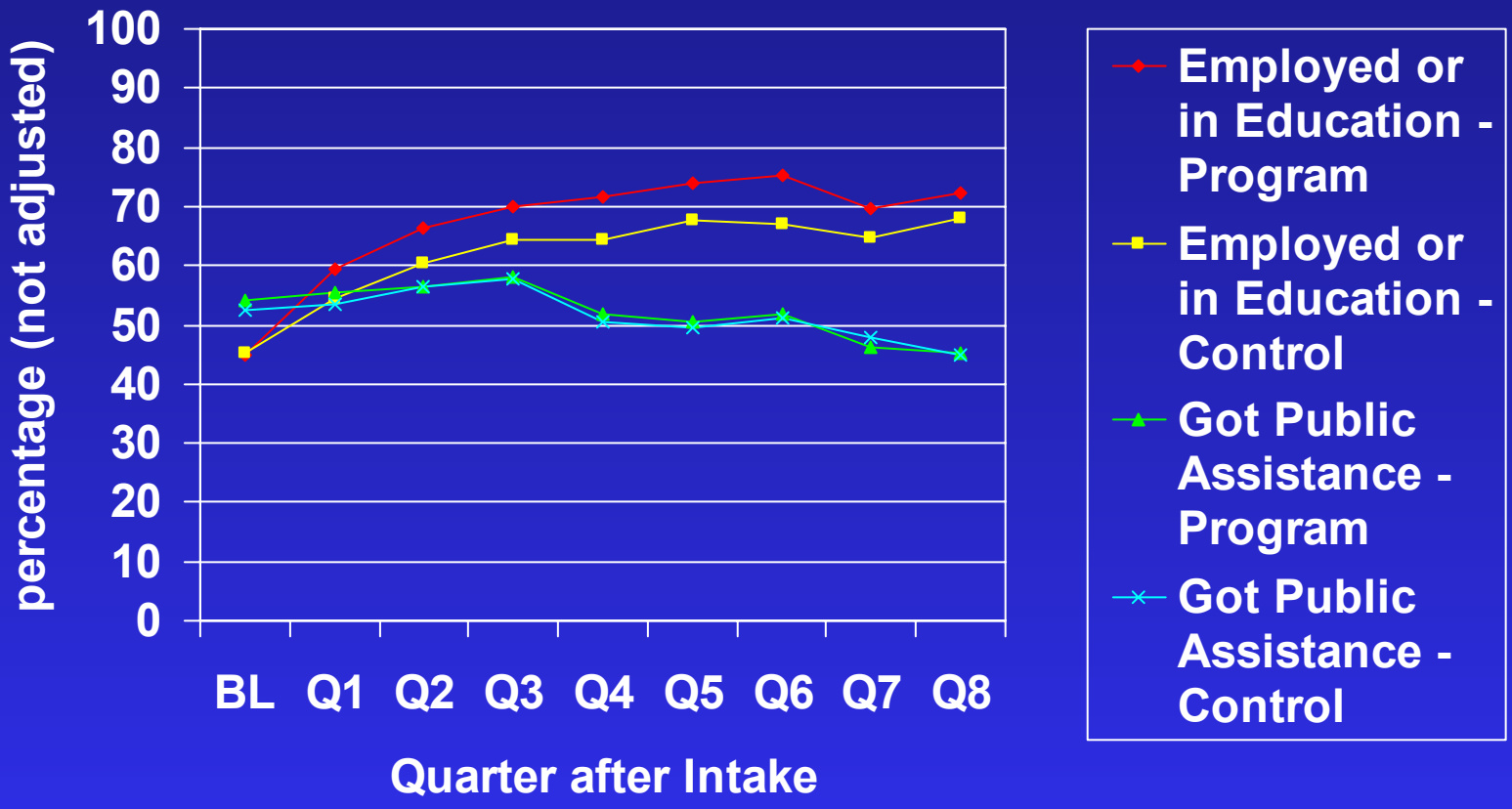
In Activity, Received Welfare, by Quarter after Intake



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Service Use Variables in Public Use File

Measures from 6-, 15, and 26-Month Parent Services Interviews (Includes services received from EHS and other sources)

Married or cohabiting

Home visits, case management, group activities, parenting-related services

Family health and other family development services

Child health and development services, child care services

Dunst Family Resources Scale

Child Care Used by Early Head Start Families

		Program Approach		
	Full Sample	Center-Based	Home-Based	Mixed-Approach
Percentage of Children:				
Who received any child care	86	93	80	89
Who received center-based child care	51	79	33	52
Percentage of Children Who Received Care by Number of Arrangements:				
0	14	7	20	11
1 or 2	47	40	48	49
3 or more	40	53	33	40
Average # of arrangements used	2	3	2	2

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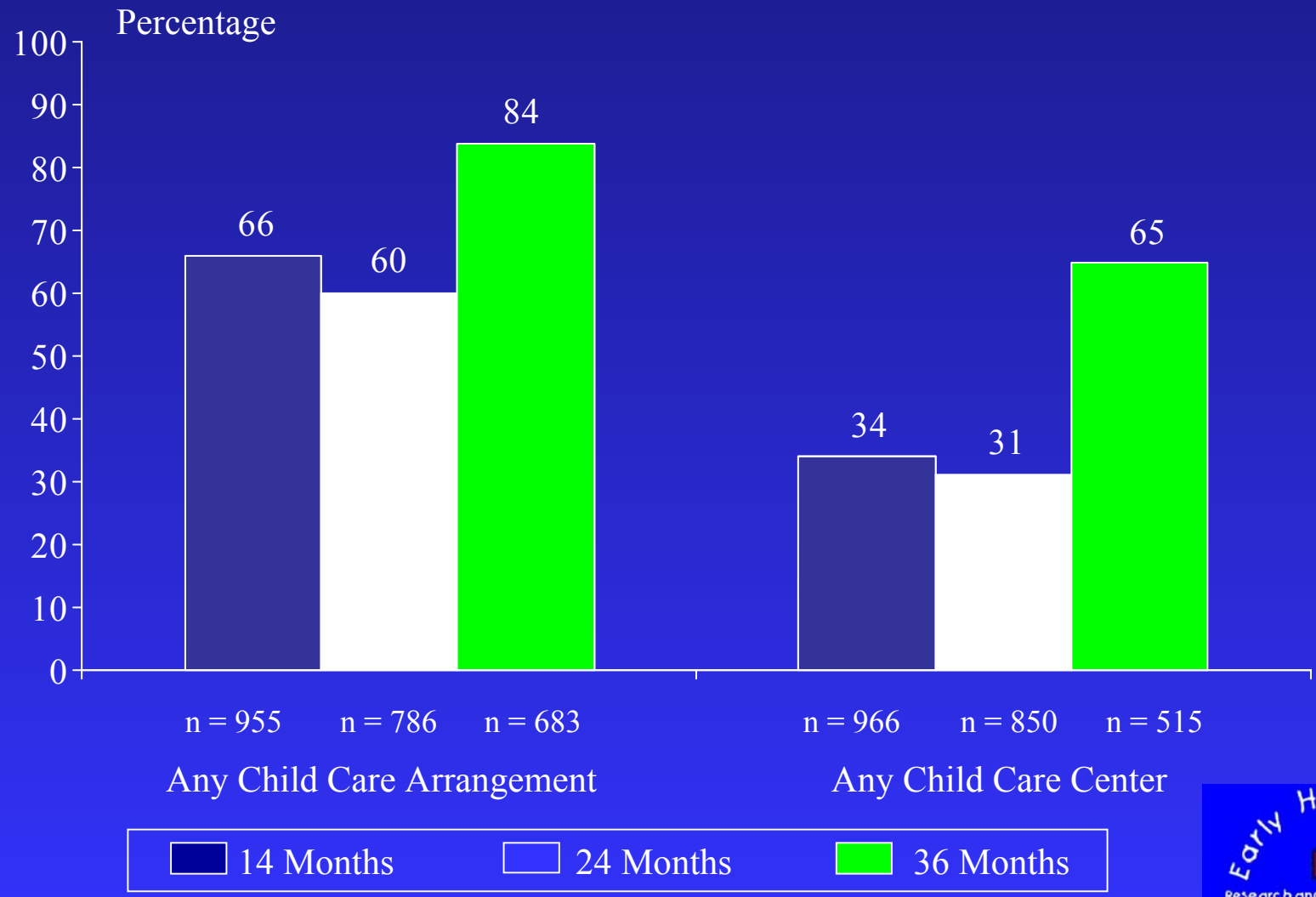
Use of Child Care by Early Head Start Children at 14, 24, and 36 Months of Age



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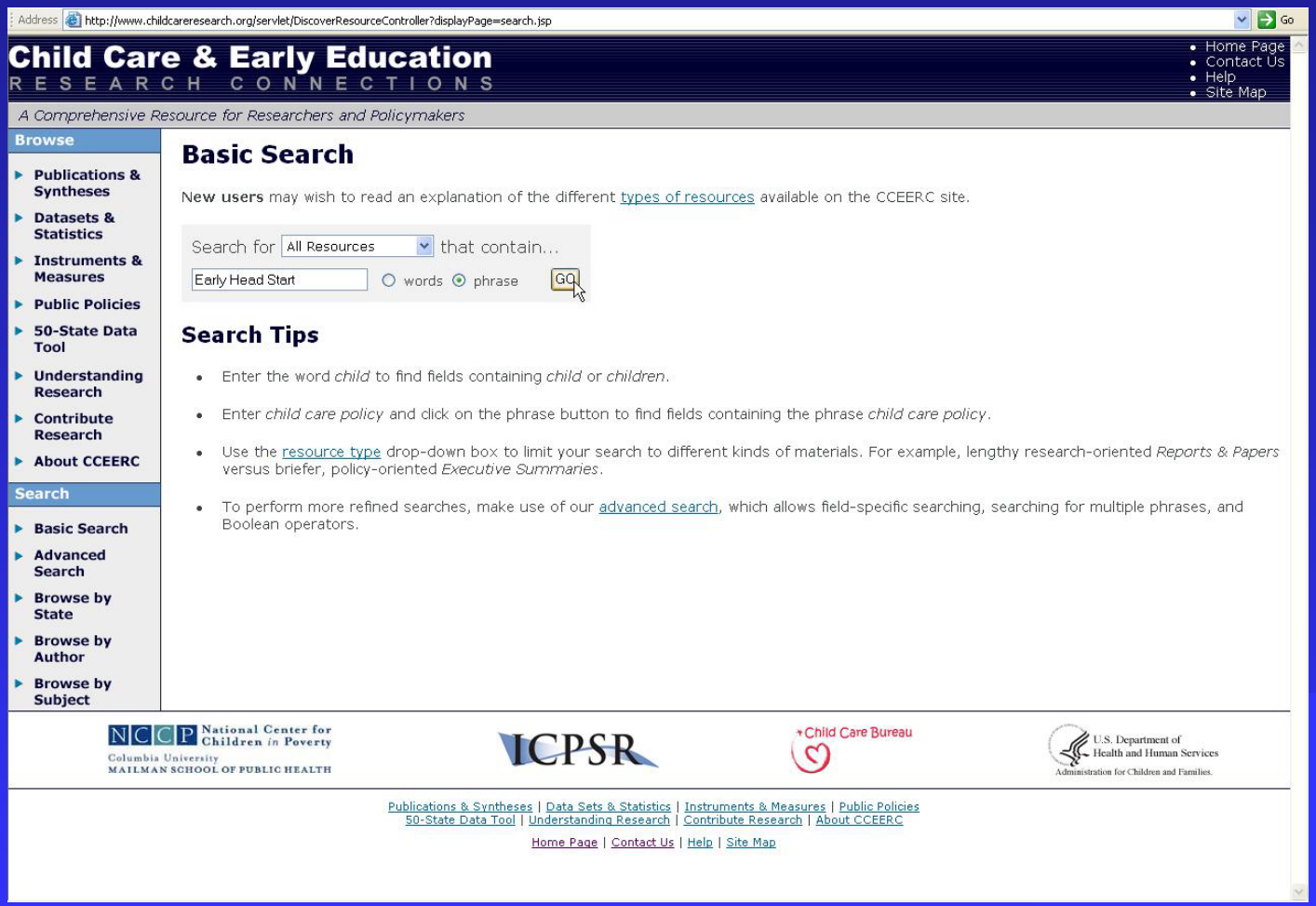
Search Function



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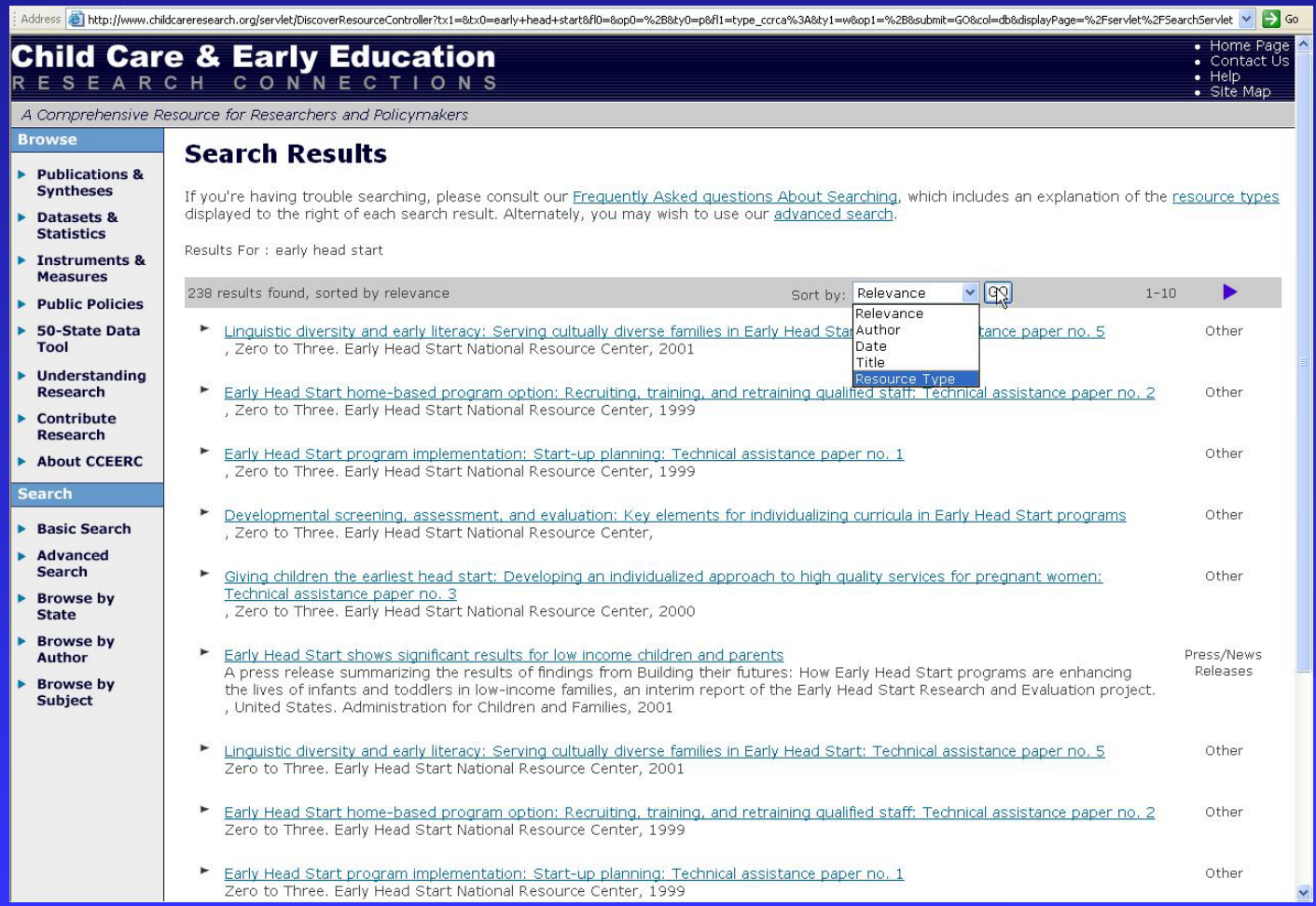
Search Results



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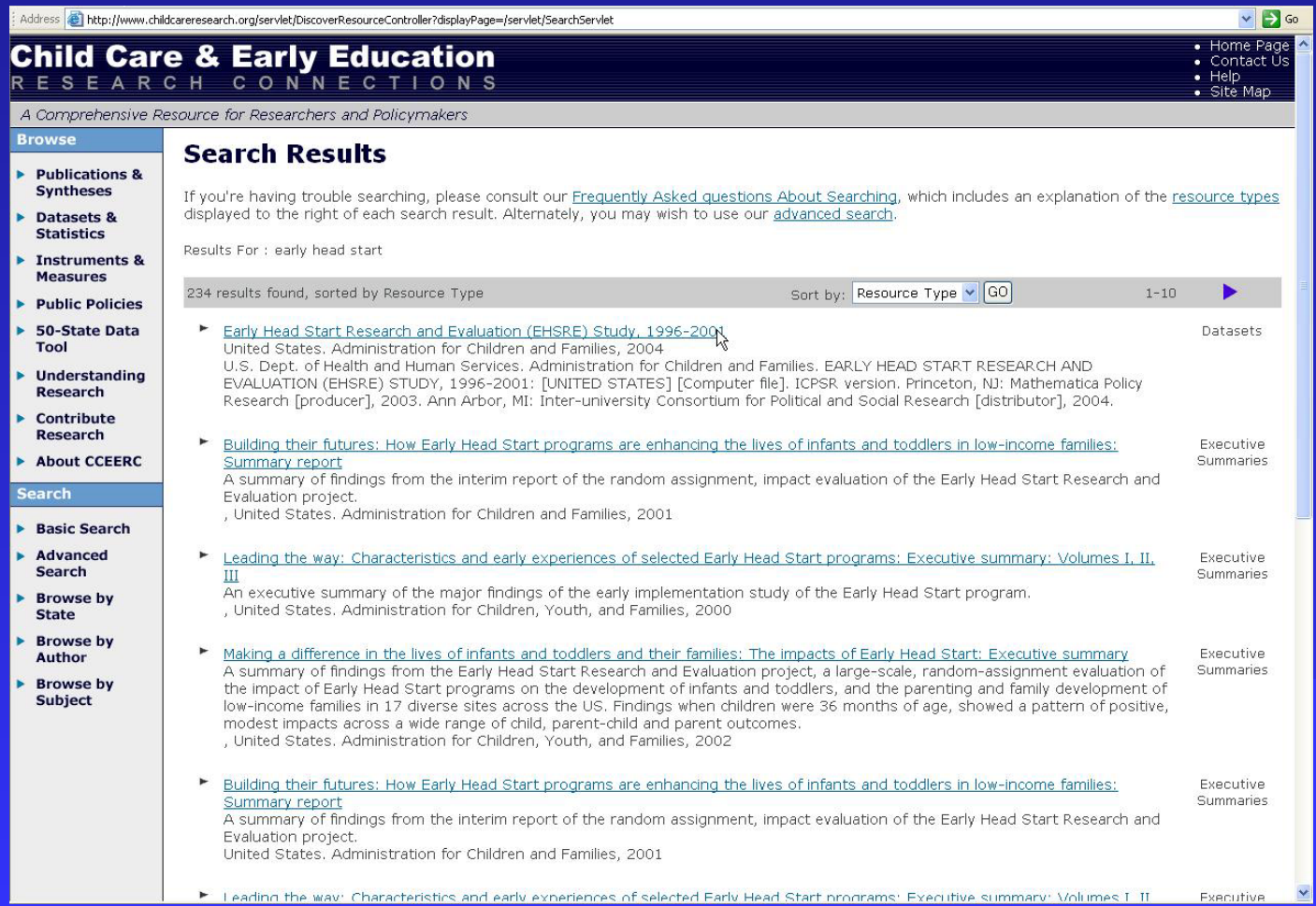
Select Resource



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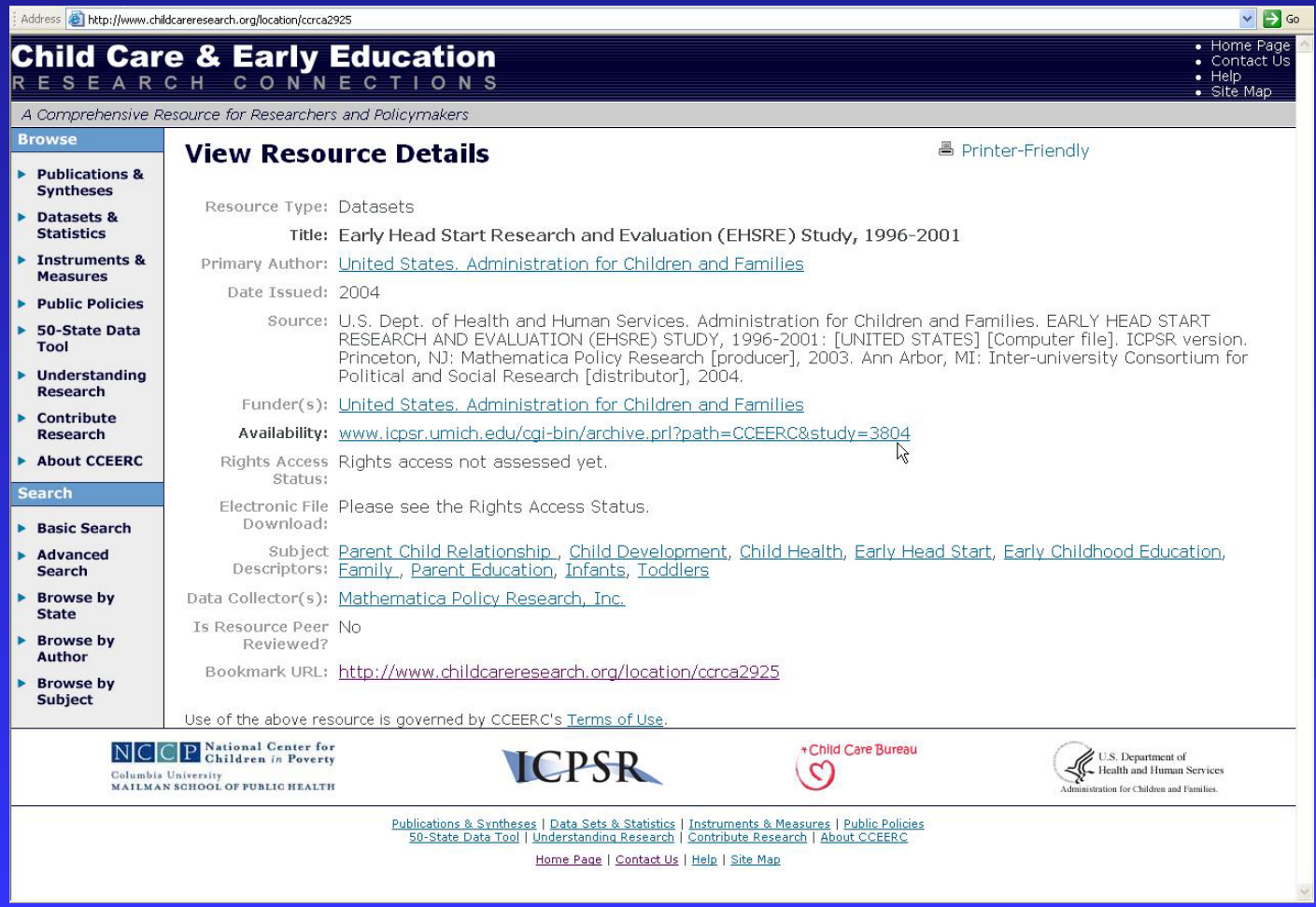
View Resource Details



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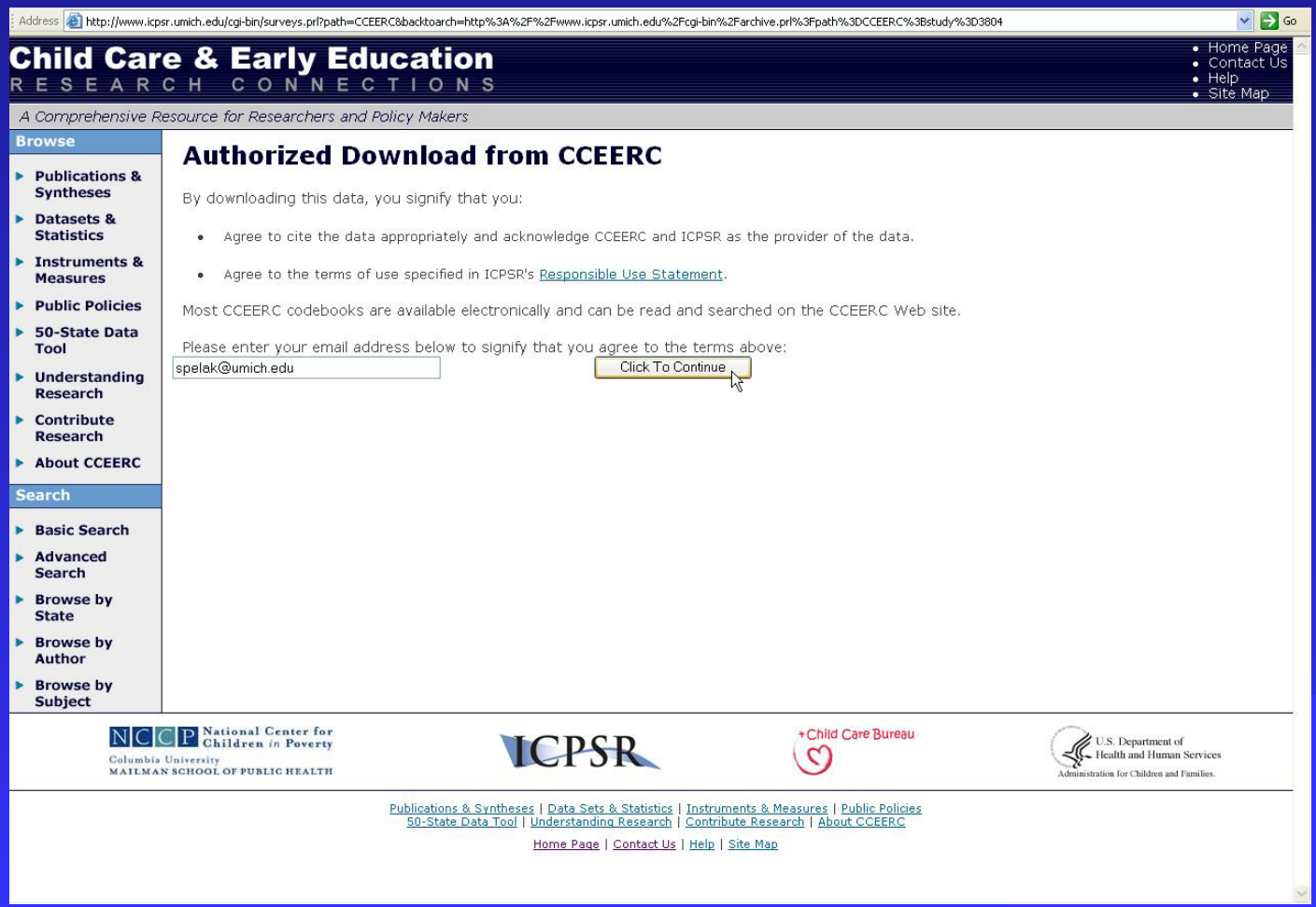
Download Authentication



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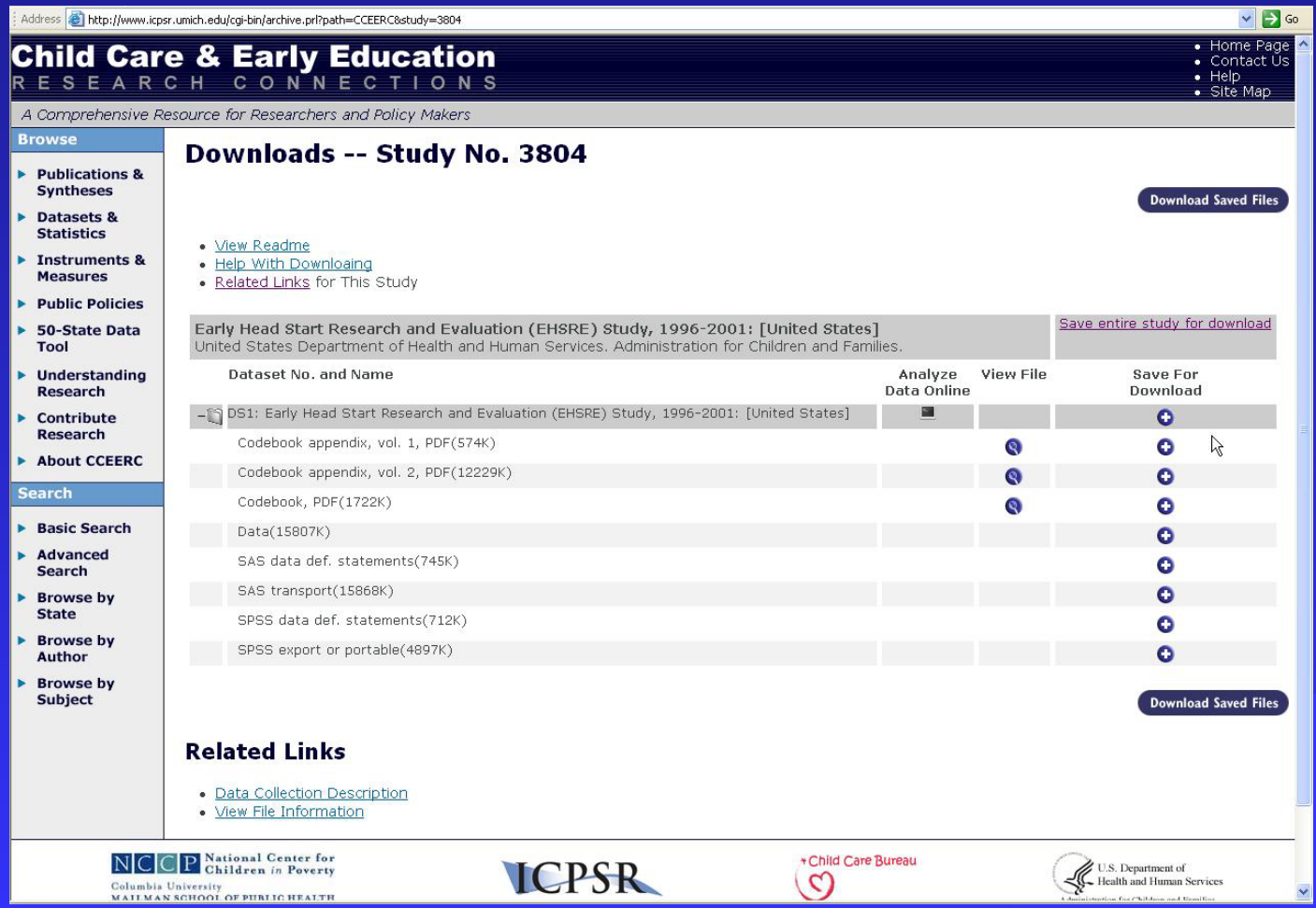
www.childcareresearch.org/location/ccrca2925



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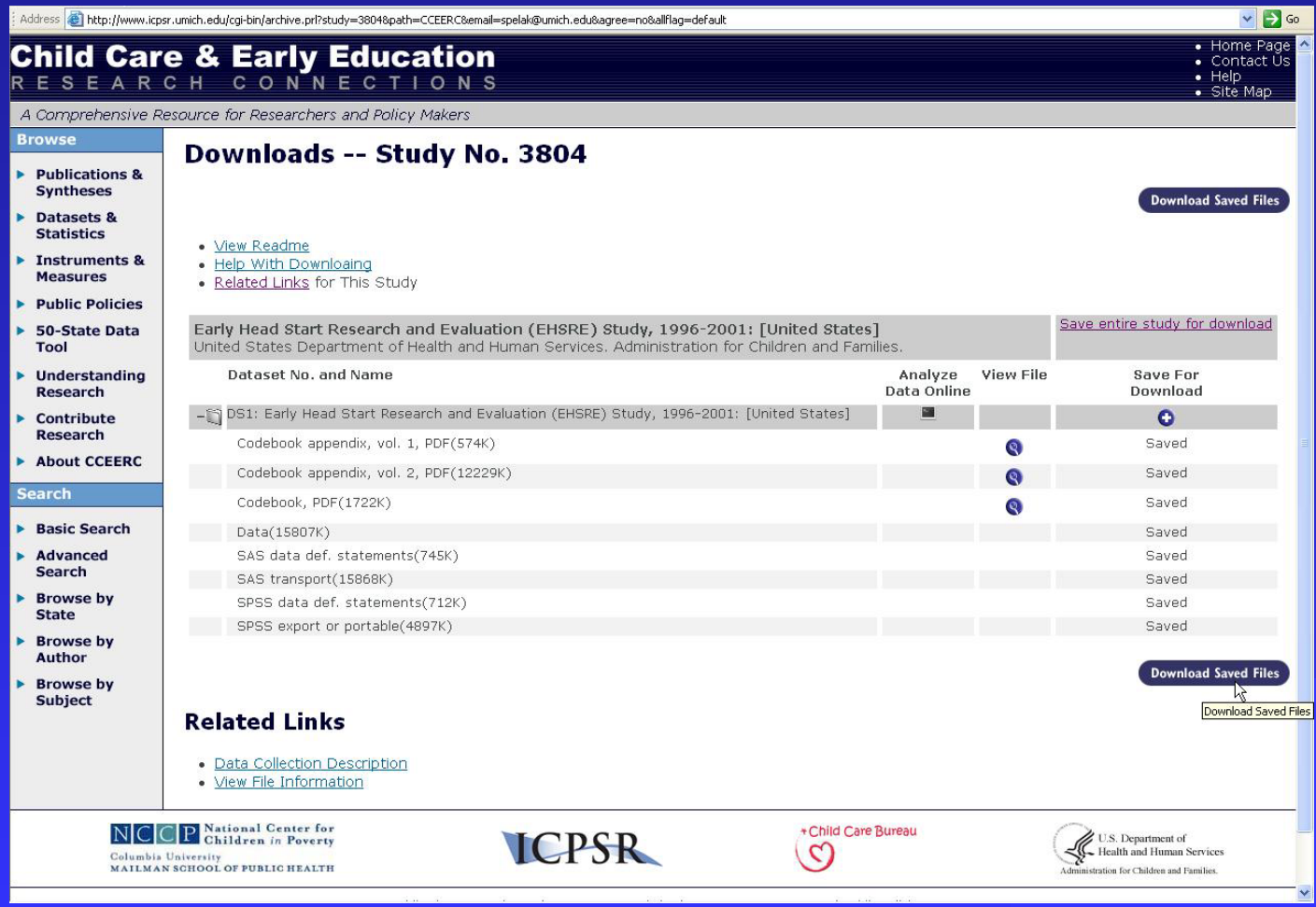
Downloading Files



Public Use Data Files at CCEE*RC*

2,977 observations, 680 variables

- ASCII Data File
  - SAS Data definition statements
  - SPSS Data definition statements
- SAS Transport file
- SPSS Portable file
- Online Analysis

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Documentation Files at CCEE*RC* (PDF)

- Codebook
- Codebook Appendices, Volume I
- Codebook Appendices, Volume II

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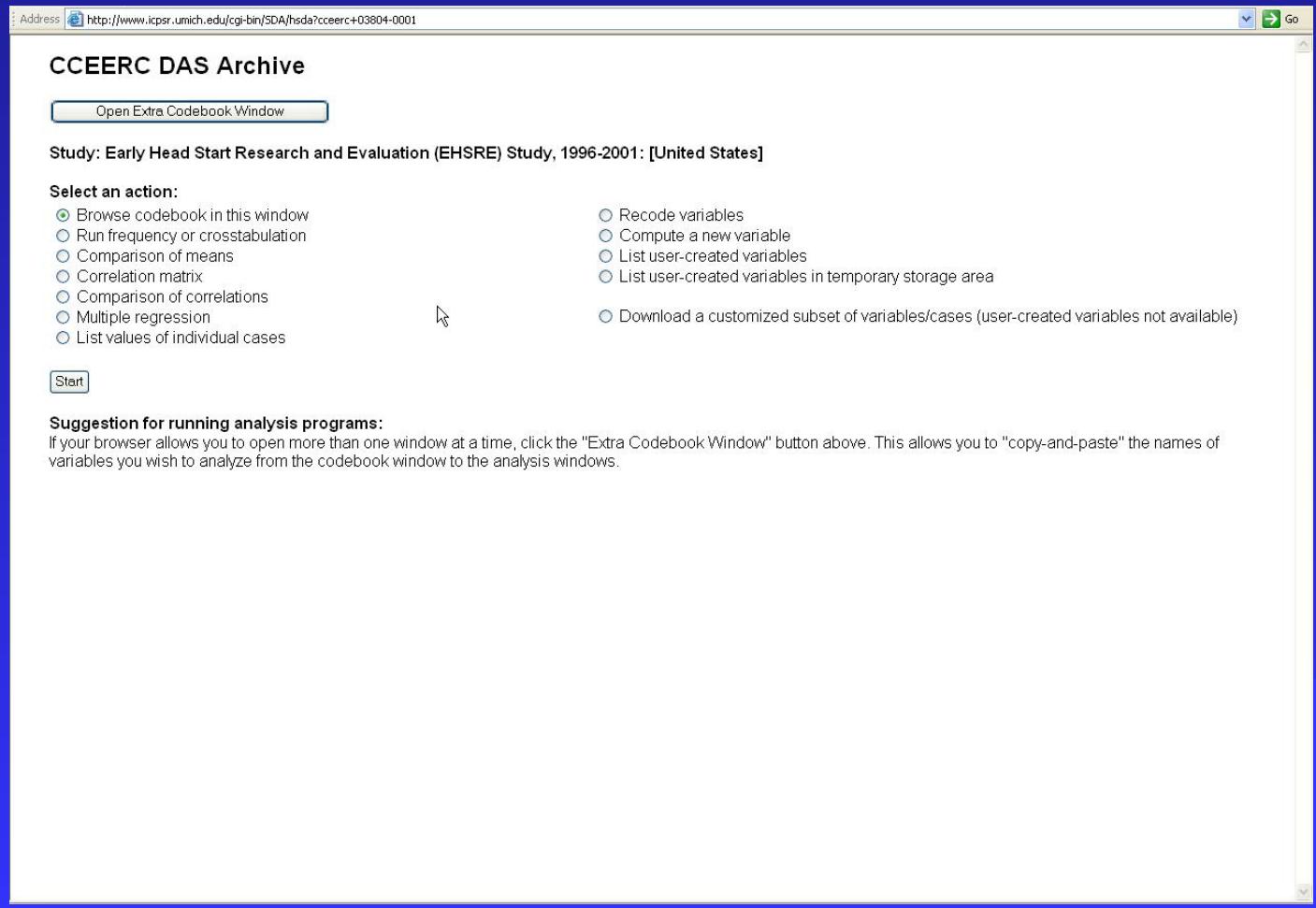
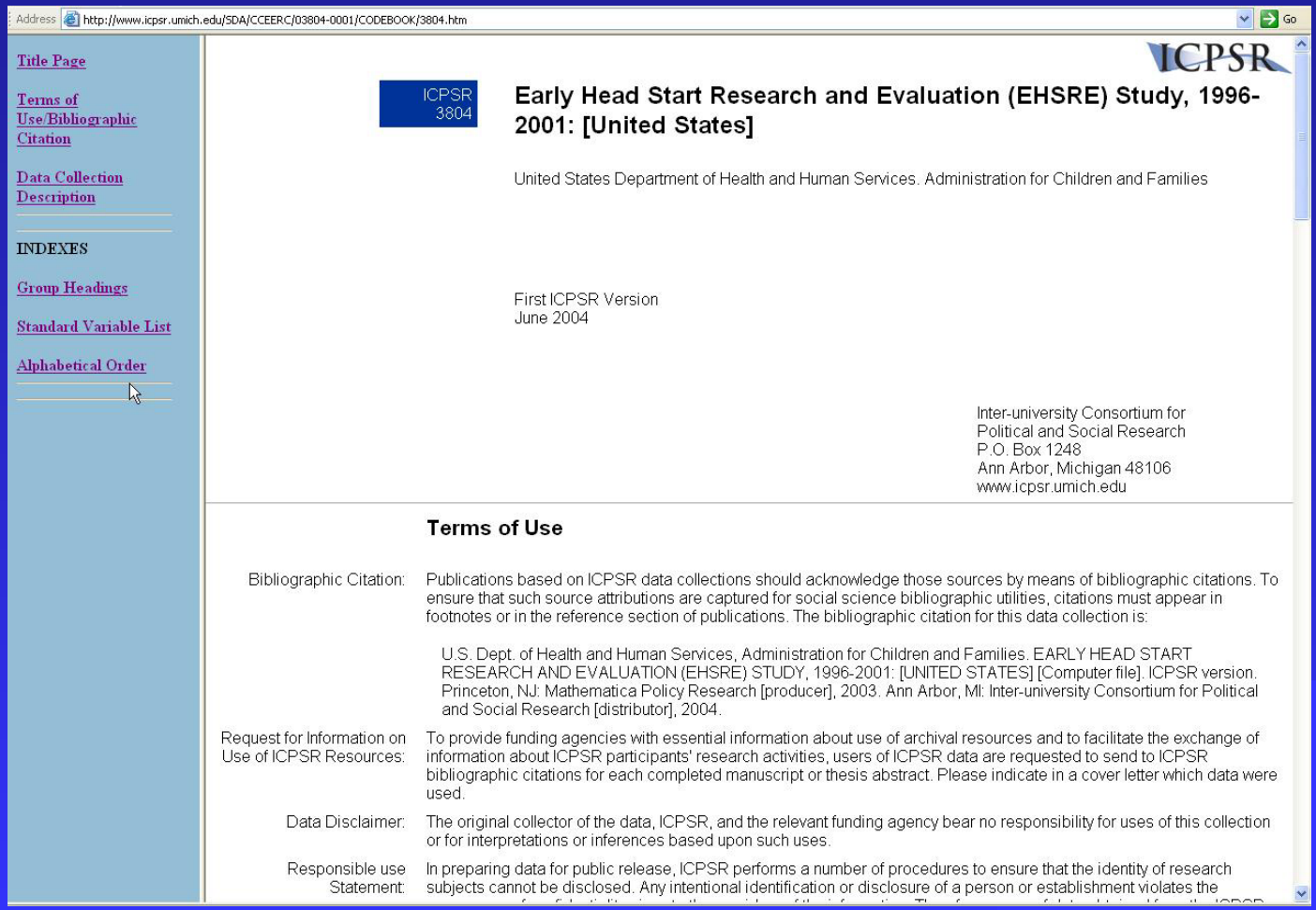
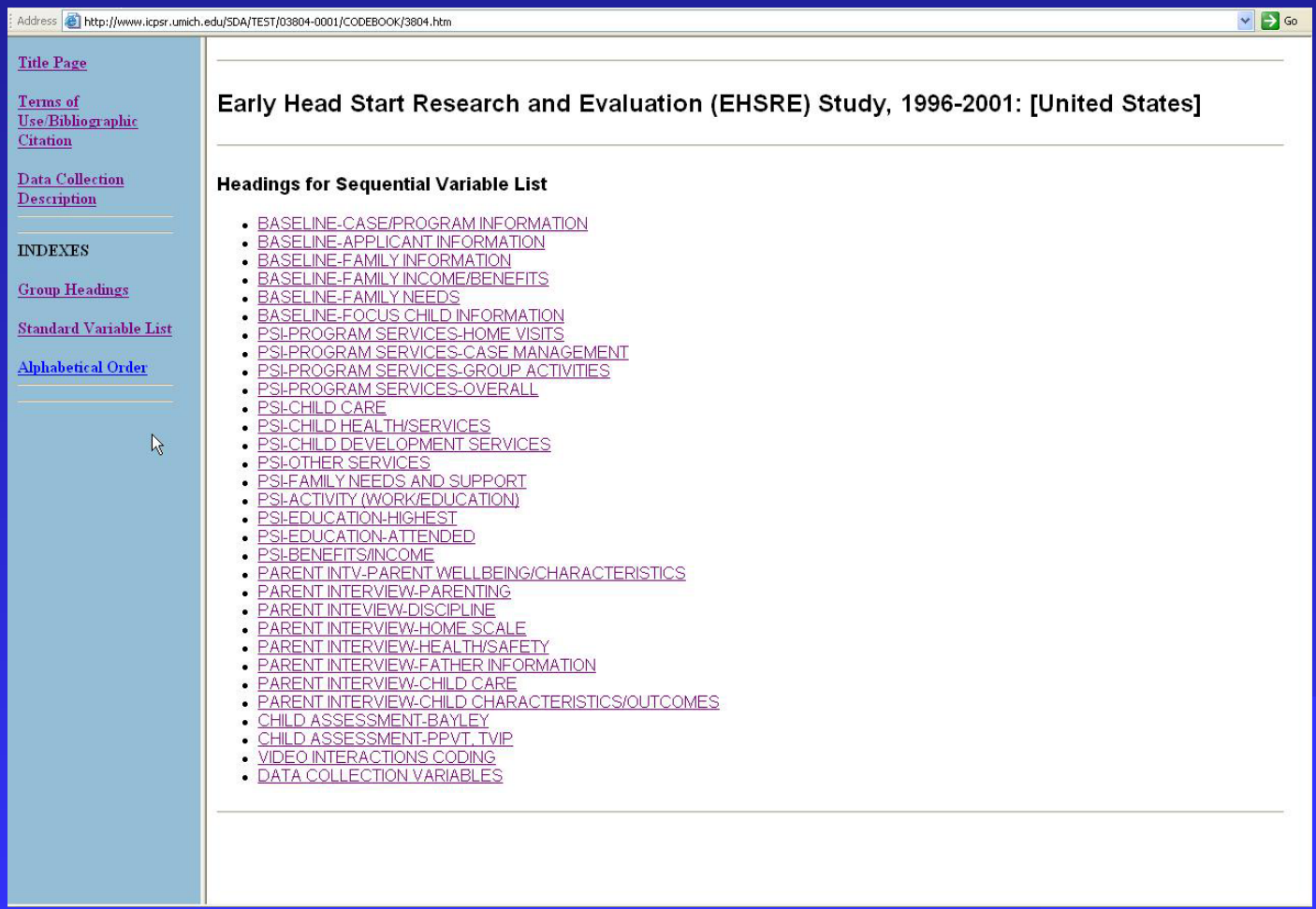
Online Analysis



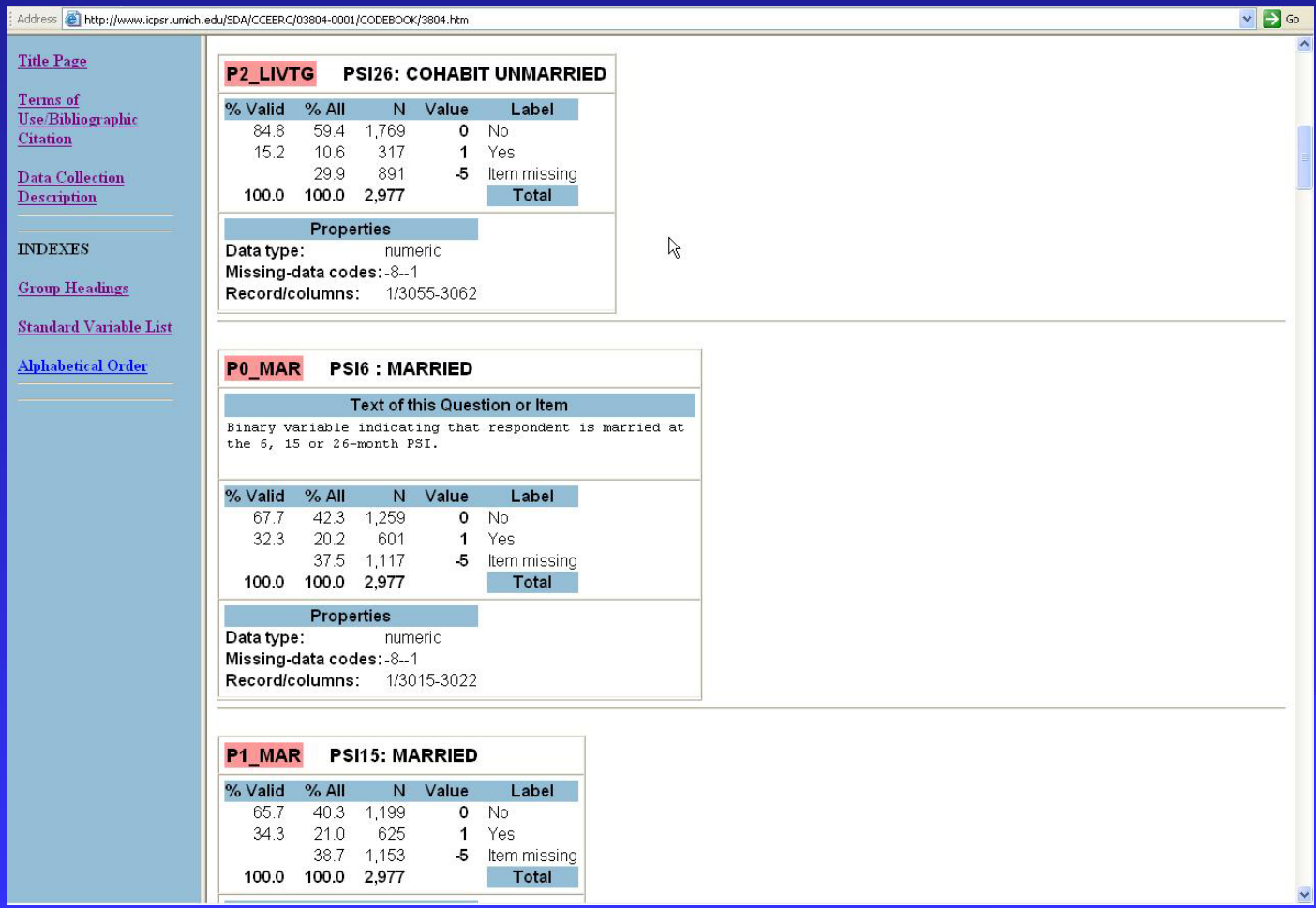
Online Analysis Codebook



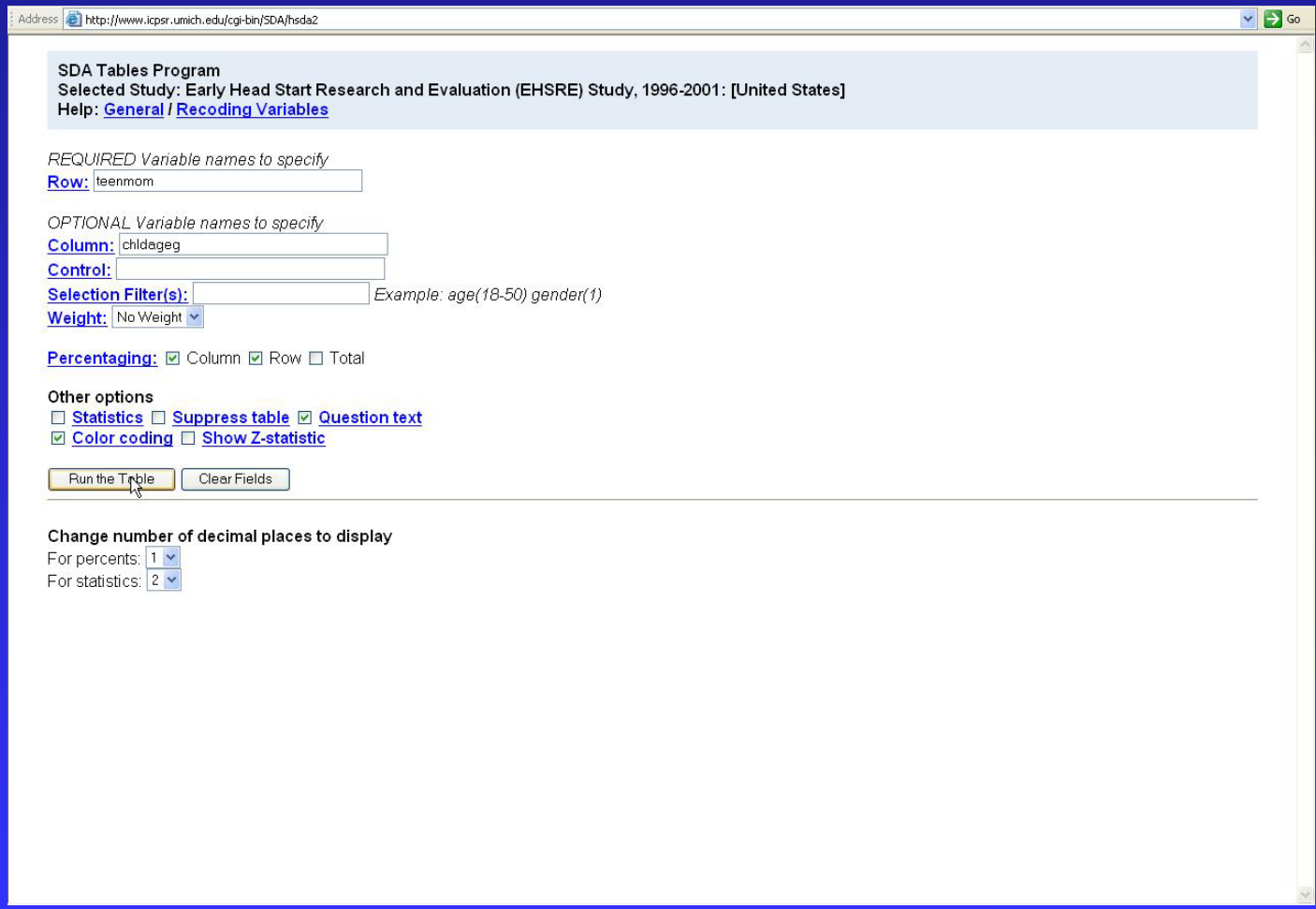
Online Analysis Codebook



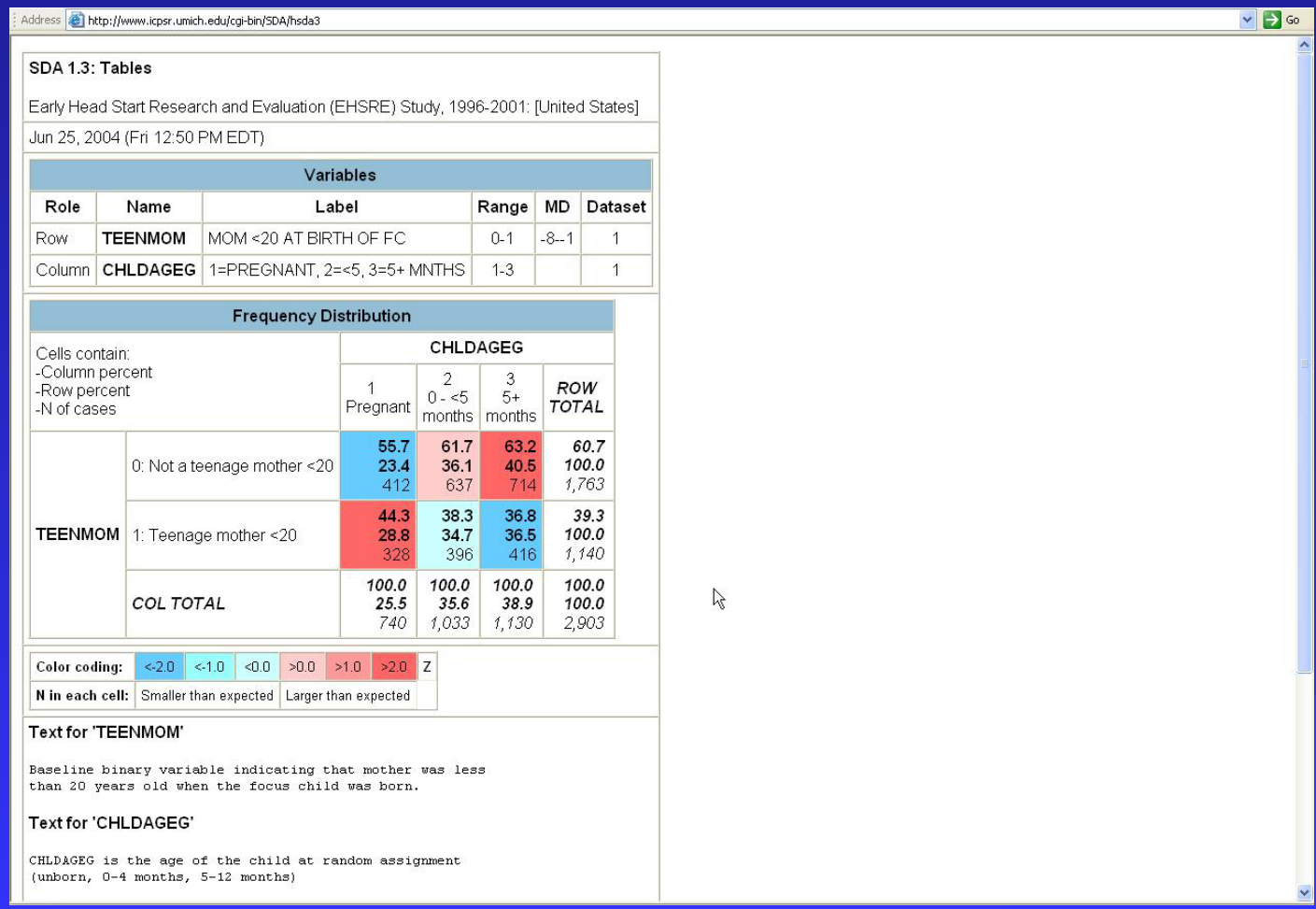
Online Analysis Codebook



Conducting Online Analysis



Online Analysis Output



Address http://www.icpsr.umich.edu/cgi-bin/SDA/hsda3 Go

SDA 1.3: Tables

Early Head Start Research and Evaluation (EHSRE) Study, 1996-2001: [United States]

Jun 25, 2004 (Fri 12:50 PM EDT)

Variables

Role	Name	Label	Range	MD	Dataset
Row	**TEENMOM**	MOM <20 AT BIRTH OF FC	0-1	-8--1	1
Column	**CHLDAGEG**	1=PREGNANT, 2=<5, 3=5+ MNTHS	1-3		1

Frequency Distribution

Cells contain:
-Column percent
-Row percent
-N of cases

		CHLDAGEG 1 Pregnant	2 0 - <5 months	3 5+ months	*ROW TOTAL*
TEENMOM	0: Not a teenage mother <20	**55.7** **23.4** 412	**61.7** **36.1** 637	**63.2** **40.5** 714	***60.7*** ***100.0*** *1,763*
	1: Teenage mother <20	**44.3** **28.8** 328	**38.3** **34.7** 396	**36.8** **36.5** 416	***39.3*** ***100.0*** *1,140*
	COL TOTAL	***100.0*** ***25.5*** *740*	***100.0*** ***35.6*** *1,033*	***100.0*** ***38.9*** *1,130*	***100.0*** ***100.0*** *2,903*

Color coding:	<-2.0	<-1.0	<0.0	>0.0	>1.0	>2.0	Z
N in each cell:	Smaller than expected			Larger than expected			

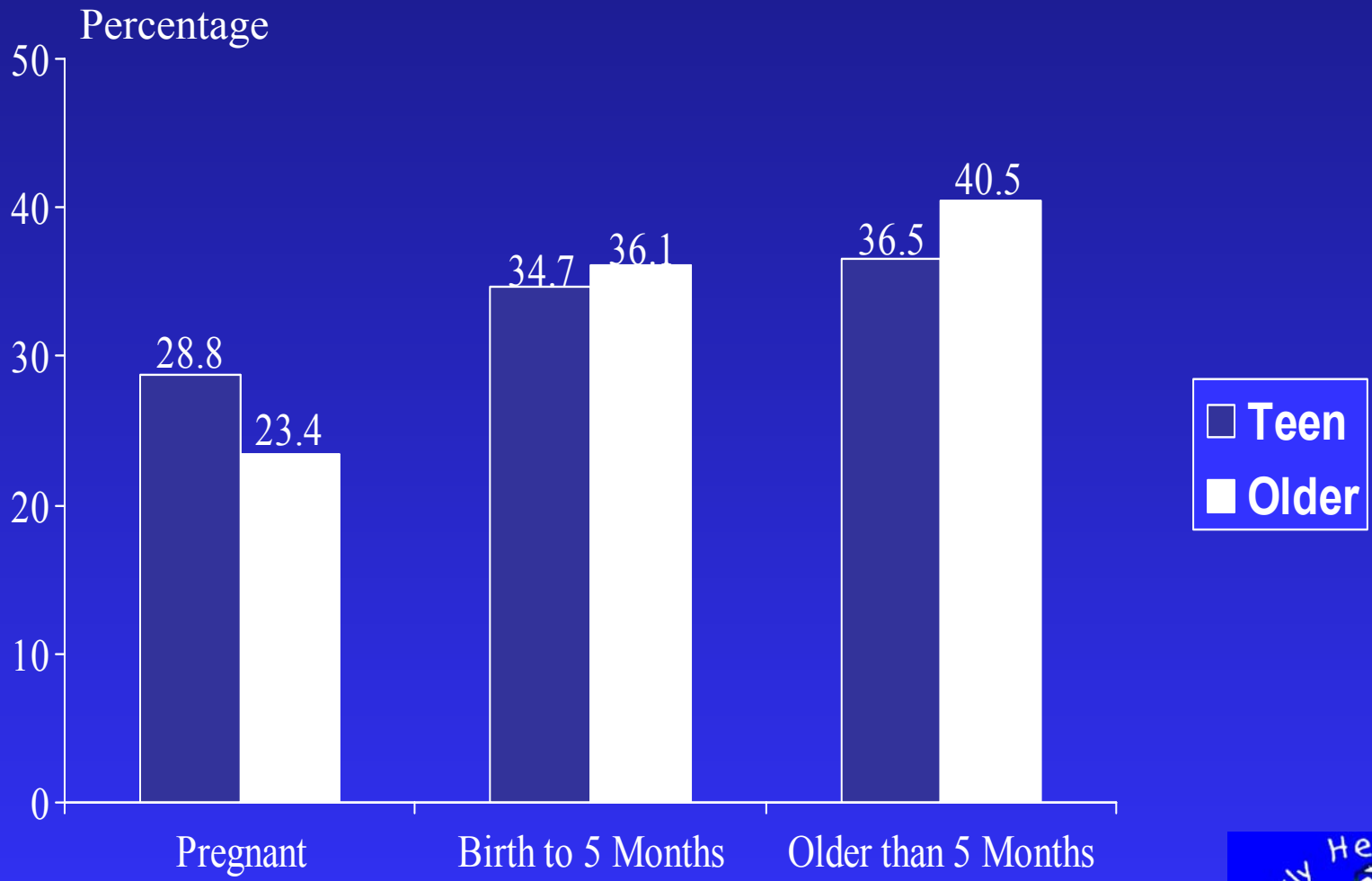
Text for 'TEENMOM'

```
Baseline binary variable indicating that mother was less
than 20 years old when the focus child was born.
```

Text for 'CHLDAGEG'

```
CHLDAGEG is the age of the child at random assignment
(unborn, 0-4 months, 5-12 months)
```

Baseline Demographics – Mother's Teenage Status by Child's Age at Enrollment



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Reports Written

Interim Impacts

Final Impacts; chapter for *Beacon of Hope*

Child Care Policy Report (in clearance); FAP for *Child Development; Child Care 4 Page Summary Report*

Health Policy

Implementation (including descriptions of child care use)

Working Groups-Scholarly Papers: Fathers; Disabilities; Parenting Processes; Child Care; Program Process; Measurement; Risk and Protective Factors; School Readiness

Special Issues: *Infant Mental Health Journal*; fathers journals

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The Possibilities

Topics for 7th HSRC Presentations by EHS Consortium Members include:

- **Child care settings for children eligible for EHS**
- **Parenting and other contextual factors related to child development**
- **EHS program delivery models and staff**
- **Services for children with disabilities**
- **Child cognitive development and literacy/school readiness**

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EHS Presentations

Presentations Related to Family Outcomes:

Poster: *Examining the parenting experiences of low-functioning children In Early Head Start* , Luze, G. , Raikes, H., Carta, J., & Armijo, E.

Poster: *Child care experiences among the Early Head Start Evaluation participants,* Wall, S., Kisker, E., Peterson, C. & Carta, J.

EHS Presentations

Presentations Related to Child Language and Literacy:

Poster: *Contributions of familial factors to the home literacy environment for young children in poverty,* Farber, M. L., Taylor, N. E., Wall, S. M., & Timberlake, E. M. (M22)

Symposium: *Language and literacy environments of toddlers in low income families: Relations to cognitive and language development* (209), Chairpersons: Helen Raikes & Barbara Pan

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Using EHS Data Workshop

Sponsored by CCEE*RC*

Instructors: Lorraine McKelvey & Anne Bloomenthal

August 11-13, 2004

Ann Arbor, MI

www.icpsr.umich.edu/sumprog

(734) 763-7400

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For More Information…

EHS Evaluation:

http://www.acf.hhs.gov/programs/core/ongoing_research/ehs/ehs_intro.html

EHSRE data at CCEE *Research Connections*:

Web: www.childcareresearch.org

Email: contacts@childcareresearch.org

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