Module Objectives

- Introduce the Early Childhood Longitudinal Study, Birth Cohort (ECLS-B) and describe the study's
  - Target population
  - Sample and study design
  - Years of data collection
  - Study respondents
  - Methods of data collection
- Highlight the topics for which data are collected and available for analysis
ECLS-B Sample

Nationally representative sample of children born in the United States in 2001
- Sample drawn from a frame comprising of U.S. birth certificates
- Initial sample of about 14,000 birth certificates

ECLS-B Sample (Continued)

Oversamples of particular subgroups
- Low birth weight
- Very low birth weight
- Twins
- American Indian/Alaska Native
- Chinese
- Other Asian/Pacific Islander
Target Population

- All children born in the United States in the year 2001 except the following
  - Children born to mothers younger than 15 years of age
  - Children who died or moved abroad before the 9-month data collection
  - Children who were adopted prior to the 9-month data collection
- Over time, target population excludes children who die or move abroad

ECLS-B Study Design

Data are available for a variety of points in time

- Birth
- 9 months
- 2 years
- Preschool (4 years)
- Kindergarten (5 years)
- First-time kindergartners and kindergarten repeaters (6 years)
ECLS-B Study Design (Continued)

Data were collected from a variety of sources

- Mothers and fathers
- Early care and education providers
- Teachers
- Schools

Data were collected through a variety of methods

- Direct assessment
- Videotape and audiotape
- Self-administered questionnaires
- In-person and telephone interviews
- Observations

The Kindergarten Collections

In the kindergarten 2006 collection (2006-07 school year), data were collected from all children

- About 75 percent were in kindergarten or higher, either enrolled in school or being homeschooled for the equivalent grades
- About 25 percent were not yet in kindergarten or higher
The Kindergarten Collections (Continued)

- In the kindergarten 2007 collection (2007-08 school year), data were collected from a subgroup of children
  - Children who were in kindergarten or higher for the first time
  - Children who were in kindergarten in the 2006 collection and were repeating kindergarten in the 2007-08 school year
  - Twins of children in these two groups
- To analyze the birth cohort at kindergarten entry, data from both kindergarten collections must be used
- Data are not representative of all kindergartners

Participation Across Time

- The basis for participation in each round of data collection was a complete parent interview
- Cases with a complete parent interview in the prior round were contacted for continued participation in the subsequent round
  - The one exception is that all American Indian/Alaska Native children were followed to the extent possible in order to preserve this sample
- The study followed the child
Introduction to the ECLS-B

Slide 11 of 18

Collection Years, Sample Sizes, and Response Rates

<table>
<thead>
<tr>
<th>Round</th>
<th>Collection year</th>
<th>Sample size†</th>
<th>Weighted response rate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 Months</td>
<td>2001-02</td>
<td>10,700</td>
<td>74.1%</td>
</tr>
<tr>
<td>2 Years</td>
<td>2003-04</td>
<td>9,800</td>
<td>93.1%</td>
</tr>
<tr>
<td>Preschool (4 years)</td>
<td>2005-06</td>
<td>8,900</td>
<td>90.8%</td>
</tr>
<tr>
<td>Kindergarten (5 years)</td>
<td>2008-07</td>
<td>7,000</td>
<td>91.8%</td>
</tr>
<tr>
<td>Kindergarten</td>
<td>2007-08</td>
<td>1,900</td>
<td>92.5%</td>
</tr>
</tbody>
</table>

† Unweighted sample sizes rounded to the nearest fifty
* Response rates are based on the number of sample cases eligible to participate in a given round of data collection

Slide 12 of 18

Components by Round

- **9 months**
  - Child assessments
  - Parent interview
  - Parent-child video
  - Resident and non-resident father questionnaires

- **2 years**
  - Child assessments
  - Parent interview
  - Parent-child video
  - Resident and non-resident father questionnaires
  - Early care and education provider telephone interview
  - Early care and education setting observation

- **Preschool**
  - Child assessments
  - Parent interview
  - Parent-child video
  - Resident father questionnaire
  - Early care and education provider telephone interview
  - Early care and education setting observation
Components by Round (Continued)

**Kindergarten 2006 (all children)**
- Child assessments
- Parent interview
- Early care and education provider telephone interview
- Wrap-around care provider telephone interview
- Teacher questionnaire
- School characteristics data*

**Kindergarten 2007 (first-time K and repeaters only)**
- Child assessments
- Parent interview (abbreviated)
- Wrap-around care provider telephone interview
- Teacher questionnaire
- School characteristics data*

* Merged from universe data pertaining to public (Common Core of Data (CCD)) and private (Private School Survey (PSS)) schools

ECLS-B Topics

- **Child**
  - Health
    - Physical Health
  - Physical Activity
  - Nutrition
  - Physical Growth
  - Gross and Fine Motor Development
  - Cognitive Development
  - Language/Communication Development
  - Socioemotional Development

- **Parent**
  - Household Composition
  - Parent and Child Demographics
  - Parent Health
    - Physical Health
    - Physical Activity
    - Nutrition
  - Marital/Partner Relationship
  - Childrearing Behavior and Attitudes
  - Family Processes/Organization
  - Child Care Arrangements

- **Care/Education Provider**
  - Background and Experience
  - Characteristics of Focal Child's Development
  - Children's Learning Environment
  - Teaching Practices

- **Teacher/School**
  - School Demographics
  - Children's Development
  - School Programs
  - Educational Goals and Objectives
Parent Interview

- Conducted with a household member who was knowledgeable about the child’s care and education
- Order of preference
  o Child’s biological mother
  o Child’s biological father
  o Another parent or guardian
  o Another household member
- At 9 months, the parent respondent was the mother for 99 percent of the cases
Parent Interview (Continued)

- The parent respondent could change over time
- The parent respondent can be identified using variables in the data file

Module Summary and Resources

Summary

- Introduced the Early Childhood Longitudinal, Study Birth Cohort (ECLS-B) and described the study’s
  - Target population
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  - Years of data collection
  - Study respondents
  - Methods of data collection
- Highlighted the topics for which data were collected and available for analysis

Resources

- Early Childhood Longitudinal Study Birth Cohort (ECLS-B)
- Variables in the data file