NSECE Webinar: Early Care and Education Arrangements
Asking Questions

• The phone line will be muted

• To ask a question:
  ➢ Use the chat function in the lower right hand corner
  ➢ From the menu at the top of the chat box on the right, select “chat with presenter”
  ➢ Type your question and hit enter

• We will break periodically to answer questions.
National Survey of Early Care and Education (NSECE)

Sponsored by Office of Planning, Research and Evaluation, Administration for Children and Families, U.S. Department of Health and Human Services

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- Child Trends, led by Lina Guzman and Nicole Forry
- IMPAQ, led by Yasuyo Abe
Overview

• Introduction to NSECE Household Survey
• Key arrangement attributes
  ➢ Type of Care
  ➢ Cost of Care
  ➢ Schedule of Care
  ➢ Distance between Household and Arrangement
• Special issues
  ➢ School-age Children
  ➢ Parent-like relationships
  ➢ Household-level Information
• Conclusion
NSECE Purpose: Address Key Policy Needs

• Comprehensive national data
• Match parental needs and preferences and availability of providers at the local level

• Profile all families with age-eligible children in a location
• Document all care in that location
  - Center-based providers to children not yet in kindergarten
  - Home-based providers to children under age 13 years
• Characterize early care and education (ECE) teachers and caregivers
• Describe place-based aspects of child care provision/use
National Survey of Early Care and Education Design

• An integrated set of surveys conducted in 2012 with
  ➢ Households with children under 13
  ➢ Home-based providers regularly providing early care and education to children under 13
  ➢ Center-based programs providing early care and education to children not yet in kindergarten
  ➢ Center-based classroom-assigned staff
NSECE Household Survey

- Nationally representative data from 11,629 households with 21,665 children under 13
- Collected January-June 2012
- One adult respondent, usually mother
- Oversample of households in low-income areas
Household Survey Components

- Individual data for each child under 13
- Nonparental care calendar for prior week
- Work-related calendar for prior week for all parents or resident caregivers
- Household characteristics
- Perceptions of care and recent search
ECE Arrangements in the NSECE

• An early care and education **arrangement** is a child-provider pair
  ➢ Child is under 13 years
  ➢ Provider is not the child’s parent, but not regular K-8\textsuperscript{th} grade school
  ➢ Care may be
    » Paid or unpaid
    » regular (at least 5 hours weekly) or not
    » in child’s home or not
Sources of Information about ECE Arrangements

- **Provider Roster**
  - Type of care questions about each provider used last week or usually (not last week) [C1,C3-C7,C8-C9]
  - Distance from home to provider [C7-C8]
- **Child Calendar – nonparental care schedule last week** [C2]
- **Cost of care and subsidy receipt** [Section E]
### Information Available Varies across Arrangements

<table>
<thead>
<tr>
<th>Type of Information</th>
<th>Regular arrangements used in prior week</th>
<th>Irregular arrangements used in prior week</th>
<th>Regular arrangements not used in prior week</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of Care</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cost of Care</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Distance to Care</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Schedule of Care</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

* Regular care takes place at least 5 hours weekly.
Units of Observation for Each NSECE Household

- Up to 9 children under 13 in the HH
  - Is child x in any center-based care?
- Up to 12 ECE providers for the HH
  - How far is this provider from the HH?
- Up to 9*12 arrangements per HH
  - How much do parents pay for this child at this provider (the arrangement)?
- At the HH-level
  - What is this household’s weekly out of pocket cost for regular ECE?
Type of Care
Percent of 4-year Olds in Regular ECE by HH Poverty

Provider Roster Variables

- Organization or individual
- Prior personal relationship with provider
- Care in child’s home or elsewhere
- Single-type activity provider
- Drop-in care
- Payment status
- School/non-school
- Regular or irregular care
## Regular Nonparental Care

<table>
<thead>
<tr>
<th>Aggregate Type of Care</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Individual, No prior relationship, Paid</td>
<td>An individual with whom the child had <em>no</em> prior personal relationship with care at least 5 hours weekly.</td>
</tr>
<tr>
<td>2. Individual, Prior relationship, Paid</td>
<td>An individual with whom the child had a prior personal relationship receives payment for caring for the child and cares for the child at least 5 hours weekly.</td>
</tr>
<tr>
<td>3. Individual, Unpaid</td>
<td>An individual who does not receive payment for caring for the child, but provides care at least 5 hours weekly.</td>
</tr>
<tr>
<td>4. Center-based Early Care and Education</td>
<td>Corresponds to NSECE Center-Based Provider Sample. It includes all Head Starts, Public Pre-Ks, community-based child care, or any other care for children &lt; 72 months that is not drop-in or single activity, and occurs at least 5 hours weekly.</td>
</tr>
<tr>
<td>5. Other Organizational Early Care and Education</td>
<td>Any regular organizational care not included in type of care 4 above, like after-school care to school-age children, drop-in care, single-activity, etc. Must occur at least 5 hours weekly.</td>
</tr>
</tbody>
</table>
# Other Nonparental Care

<table>
<thead>
<tr>
<th>Aggregate Type of Care</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>6. K-8 schooling</td>
<td>May not be considered nonparental care. Elementary schooling kindergarten through grade 8 during the school day, whether in a public or private setting.</td>
</tr>
<tr>
<td>7. Irregular ECE</td>
<td>Provider cares for child fewer than 5 hours weekly</td>
</tr>
<tr>
<td>8. All other setting unknown</td>
<td>Regular ECE setting, but we have inadequate information to assign the provider to one of the categories 1-6.</td>
</tr>
<tr>
<td>9. Parental Care</td>
<td>Not a type of nonparental care. Used only in the child calendar to indicate time slots not assigned to a nonparental care provider.</td>
</tr>
</tbody>
</table>
Detailed Type of Care Coding

- Provider type questions (**C5** series and **C8** series)
- Provider Look-up (PLU)
- Collect address if not in PLU (**C8** series)
- Coding providers and provider type (**ptype**)
- Assigning best ptype
- Assigning quality flags
<table>
<thead>
<tr>
<th>Variable Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HH_TYPEOFCARE_X_Y</td>
<td>Detailed Type of Care for Provider Y, Child X</td>
</tr>
<tr>
<td>HH_TYPEOFCARE_AGG_X_Y</td>
<td>Aggregated Type of Care Summary for Provider Y, Child X</td>
</tr>
<tr>
<td>HH_BPQUALFLAG_Y_X</td>
<td>Type of care coding quality flag</td>
</tr>
<tr>
<td>HH_BPSOURCEFLAG_Y_X</td>
<td>Type of care coding type source</td>
</tr>
<tr>
<td>Combinations of Care for Children 0 to 35 months</td>
<td>% of children</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Among Regular Care Arrangements</td>
<td></td>
</tr>
<tr>
<td>Only Individual No Prior Relationship Paid</td>
<td>5%</td>
</tr>
<tr>
<td>Only Individual Prior Relationship Paid</td>
<td>6%</td>
</tr>
<tr>
<td>Only Individual Unpaid</td>
<td>18%</td>
</tr>
<tr>
<td>Only Center-based ECE</td>
<td>11%</td>
</tr>
<tr>
<td>Only Other Organizational ECE</td>
<td>2%</td>
</tr>
<tr>
<td>Individual Paid Prior Rel &amp; Individual Unpaid</td>
<td>2%</td>
</tr>
<tr>
<td>Center-based ECE &amp; Individual Unpaid</td>
<td>2%</td>
</tr>
<tr>
<td>Other Organizational ECE &amp; Individual Unpaid</td>
<td>0%</td>
</tr>
<tr>
<td>Other Combinations of Regular Care</td>
<td>4%</td>
</tr>
<tr>
<td>No Regular Care</td>
<td></td>
</tr>
<tr>
<td>Only Irregular Care Arrangements</td>
<td>12%</td>
</tr>
<tr>
<td>Only Parental Care</td>
<td>38%</td>
</tr>
<tr>
<td>All Children</td>
<td>100%</td>
</tr>
</tbody>
</table>

* Children may have more than one provider within a type of care (e.g., grandmother on Mondays and neighbor on Fridays, neither of them paid).

Cost of Care
Parental Out-of-Pocket Costs

• Weekly direct charges plus any copay amount minus any subsidy paid directly to the household

  ➢ Available for regular arrangements only
  ➢ Cost to HH may be $0 because an outside person or agency pays the provider for care, or because no parents are charged (for example, public school pre-K or unpaid individual care)
• Imputation was carried out for a number of arrangements for types of care “center-based ECE” and “other organizational ECE” (HH_IMPFLAG_WEEKLY_COST_CARE_X_Y)
• If amount was reported for more than one child, amount distributed equally among children
• Cost may be negative
How NSECE HH Calendar Data Were Collected

Loop through each combination of day-child-provider-start-end time

<table>
<thead>
<tr>
<th>Thinking about [LAST DATE] who cared for [CHILD]?</th>
<th>What time did provider start</th>
<th>When did care with provider end</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provider 1</td>
<td>XXX</td>
<td>XXX</td>
</tr>
<tr>
<td>Provider 2…</td>
<td>XXX</td>
<td>XXX</td>
</tr>
<tr>
<td>Provider X</td>
<td>XXX</td>
<td>XXX</td>
</tr>
</tbody>
</table>
Lining up NSECE HH Calendar Data for Analysis

On Monday and for every 15-minute interval...

<table>
<thead>
<tr>
<th>Time</th>
<th>Event 1</th>
<th>Event 2</th>
<th>Event 3</th>
<th>Event 4</th>
<th>Event 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>8am</td>
<td>Subsidized bus</td>
<td>Bright Horizons</td>
<td>On subsidized bus</td>
<td>Playdate with Chloe</td>
<td>Grandpa Joe</td>
</tr>
<tr>
<td>8:15am</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:30pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10pm</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child 2</td>
<td>Grandpa Joe</td>
<td>Eaglehead Head Start</td>
<td>Gap Check</td>
<td>Nanny Rosie</td>
<td>Grandpa Joe</td>
</tr>
</tbody>
</table>
Schedule

• Variables are found in Main Public Use file, Quick Tab files, and in the public use Calendar file.

• Measures that could be constructed:
  - Number of hours in reference week
  - Any evening/weekend hours
  - % of nonparental hours by type of care
Useful Calendar-related Variables

- Availability of child calendar data: `HH_MISSING_STATUS_CC_X (X=child 1-9)`
- HH uses Parental Care Only: `PCONLY`

For each time slot, calendar file lists provider for child. That provider can be matched to this variable:

- Provider X ID: `HH_PTYPE_X`
  0  Data unavailable
  1-15: Provider is a HH member; HH roster number matches 1-15 value
  16-30: Provider added at `C1A_LIST`
  31-45: Provider is a not-last-week provider added at `C3/C4`
Distances
Provider Locations Collected

• Location of a regular ECE provider
  ➢ matching to the sampling frame
  ➢ from respondent reports of address

• Location data disproportionately missing for individual providers with prior personal relationships to child
Data Available

• Public use: categorical distance from home to ECE provider
• Restricted use (L1): continuous distance from home to ECE provider
• Others possible (L2 restricted use):
  ➢ distances between HH’s ECE providers
  ➢ distances from parental employment to HH and/or ECE providers
## Average Distance from Child’s Home to Center-based ECE Provider, by Child’s Age and Household Poverty

<table>
<thead>
<tr>
<th></th>
<th>0 to &lt; 3 years</th>
<th>3 to 5 year olds</th>
</tr>
</thead>
<tbody>
<tr>
<td>All children</td>
<td>4.6</td>
<td>3.9</td>
</tr>
<tr>
<td>&lt;100%</td>
<td>[VALUE]</td>
<td>2.7</td>
</tr>
<tr>
<td>100% to &lt;200%</td>
<td>[VALUE]</td>
<td>[VALUE]</td>
</tr>
<tr>
<td>200% to &lt;300%</td>
<td>5.3</td>
<td>3.9</td>
</tr>
<tr>
<td>300% +</td>
<td>5.2</td>
<td>4.6</td>
</tr>
</tbody>
</table>

Other issues
School-age Children

• Calendar and type of care information for school-age children can describe the extent to which traditional ECE covers school-age children outside of school.
  ➢ Incidence of self-care?
  ➢ Use of single-activity and drop-in activities?
  ➢ What care is received on-site at school?
Household-level Information

• The variable HH_PTYPE_X can identify providers for multiple children in the household
• Different children may receive different types of care from same provider (e.g., Head Start and elementary school)
• How does the combination of children’s ages affect households' ECE use?
Parent-like Relationships

• Respondents had some discretion in determining parental vs nonparental care.
  ➢ Care by non-custodial parents (should be listed as providers)
  ➢ Care by parents’ spouse/partner within the household, especially in households where not all children have the same biological parents
  ➢ Care by parent figure/guardian when no parent in the household (guardian generally listed as providing parental care)
For more information

• NSECE resources page
  http://www.researchconnections.org/icpsrweb/content/childcare/find/nsece.html

• Questions about the NSECE data
  nsece@norc.org
Weekly Hours in Center-based ECE by Combination of Care Used and Household Poverty Ratio, Ages 0 through 35 Months Old

Percentage of Households with Regular ECE, and Regular ECE but No Required Payments