NSECE *Webinar 2:*
Key definitions and sample characteristics

May 18, 2015

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RC ☐	**National Survey of Early Care and Education (NSECE) webinar series, Part 1 of 2** Bleckman, Johanna, 08 May, 2015 (NSECE Webinar I). New York: Child Care & Early Education Research Connections This webinar on the National Survey of Early Care and Education (NSECE) presents an overview of the study design, a guide to the study's data files, a guide to data file documentation, and a description of the key features of each of the four main NSECE surveys, namely the household, home-based providers, center-based providers, and classroom-assigned center-based workforce surveys.	Webinars [VIEW WEBINAR]
RC ☐	**NSECE webinar 1: Study design, sampling, and public release of the National Survey of Early Care and Education [Powerpoint]** Bleckman, Johanna, 08 May, 2015 (NSECE Webinar 1). New York: Child Care & Early Education Research Connections. This set of powerpoint slides accompanies a webinar on the National Survey of Early Care and Education (NSECE), which presents an overview of the study design, a guide to the study's data	Other [GET FULL TEXT]

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FREE DATA WORKSHOP, STIPENDS AVAILABLE

DIGGING INTO THE NSECE: EXPLOITING THE POTENTIAL OF THE HOUSEHOLD AND PROVIDER DATA FILES FROM THE NATIONAL SURVEY OF EARLY CARE AND EDUCATION (NSECE)
July 20-23, 2015
Ann Arbor, MI

The National Survey of Early Care and Education (NSECE) is the first study of its kind in over 20 years. The NSECE provides a national picture of families' non parental care utilization, as well as characteristics of both home-based and center-based providers for children birth through age 13. The NSECE will help deepen the understanding of the extent to which families' needs and preferences coordinate with providers' offerings and constraints.

This workshop will provide an op[...] Survey of Early Care and Educat[...] NSECE, the workshop will introd[...] secondary analysis. In addition, [...] study, including useful programm[...] the use of children's age catego[...] families or price of care charged [...] across data files.

Some NSECE public-use data file[...] (www.researchconnections.org/[...]
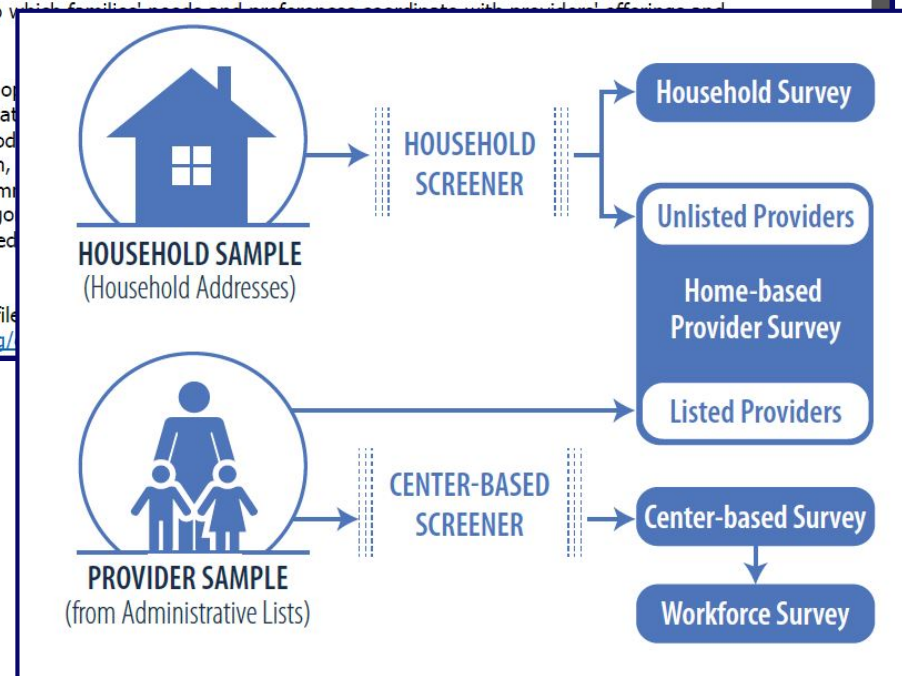
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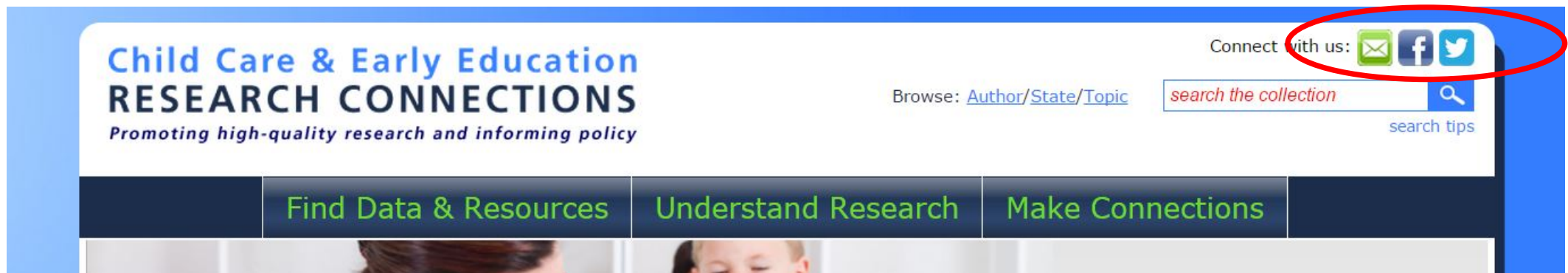www.researchconnections.org

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NSECE Webinar II: Key Features and Selected Sample Characteristics

A. Rupa Datta
May 18, 2015

NSECE Team

OPRE: Ivelisse Martinez-Beck (*Federal Project Officer)*, Ann Rivera

Project Director: A Rupa Datta
Principal Investigator: Robert Goerge
Co-Principal Investigators: A Witte, L Gennetian, R Brandon

Data files and documentation team researchers from:
    NORC, led by Jill Connelly and Carolina Milesi
    Chapin Hall, led by Wladimir Zanoni
    Child Trends, led by Lina Guzman and Nicole Forry
    IMPAQ, led by Yasuyo Abe

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Outline: Webinar II

- Key features and selected sample characteristics of:
  - Household Survey
  - Center-Based Provider Survey
  - (classroom-assigned) Workforce Survey
  - Home-based Provider Survey
- For each component survey
  - Respondent definition
  - Levels of observation within the data
  - Comparison across Quick Tabulation, Main Public Use, and Restricted Use Questionnaire files
  - Example tabulations
- Additional NSECE resources

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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

- 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

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

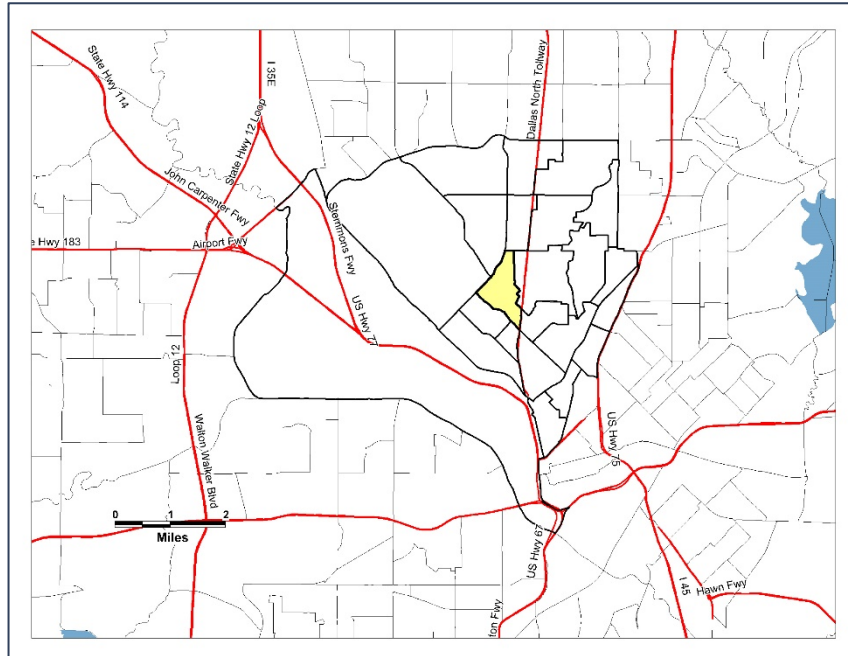# Hypothetical Provider Cluster

- Yellow
  - anchor tract selected for Household survey

- Blue star
  - population centroid

- Blue circle
  - a radius of 2 miles

- Grey
  - intersecting "scatter" tracts

Dallas County 0006.01

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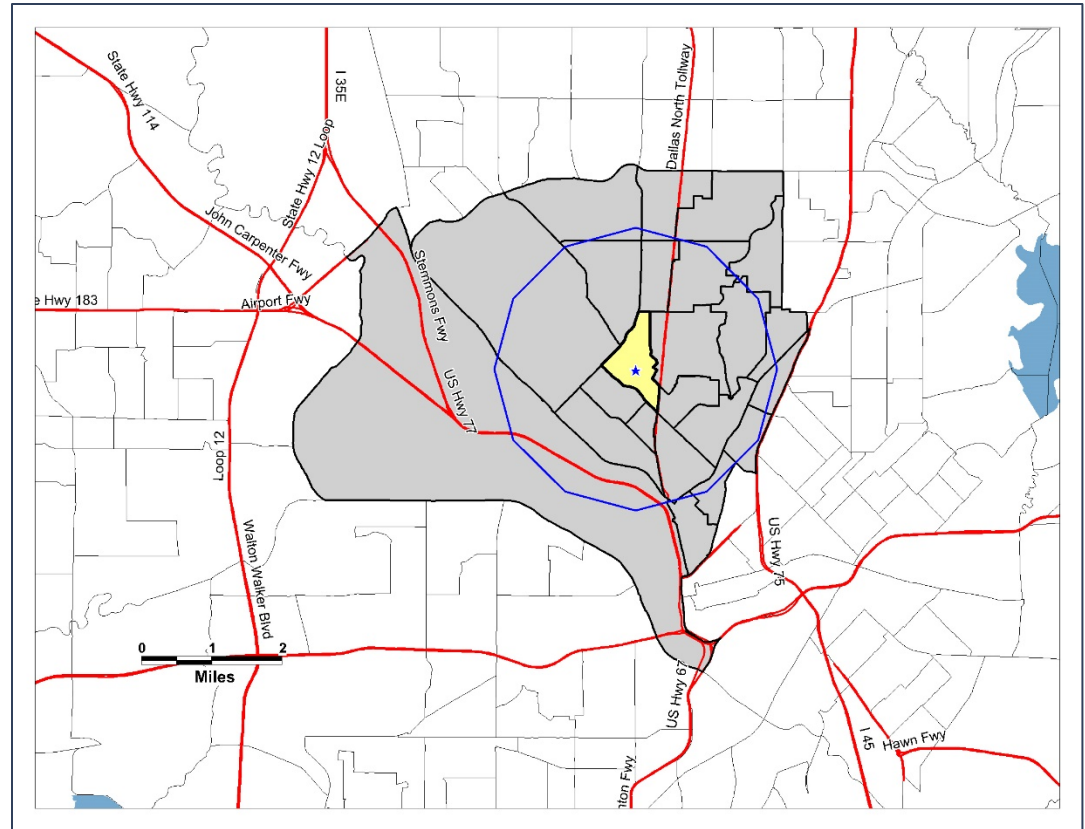
Survey data and provider cluster

- Household survey

- Unlisted Home-based providers
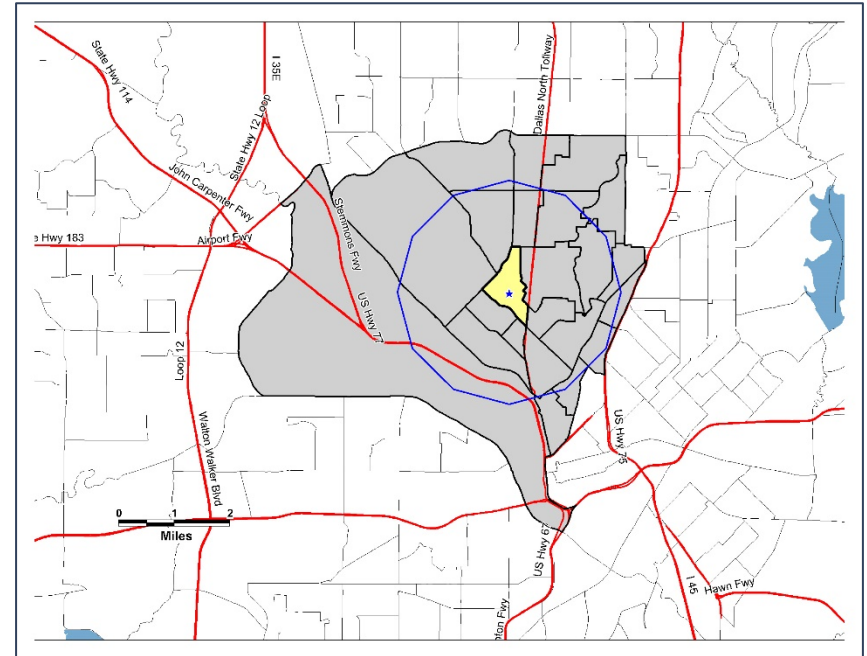
- Center-based survey

- Workforce survey

- Listed Home-based providers

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Different Types of Files

Main Public Use

Quick-Tabulation

Level 2 Restricted-Use Geographic

Level 1 Restricted-Use Questionnaire

Level 3 Restricted-Use Identifying

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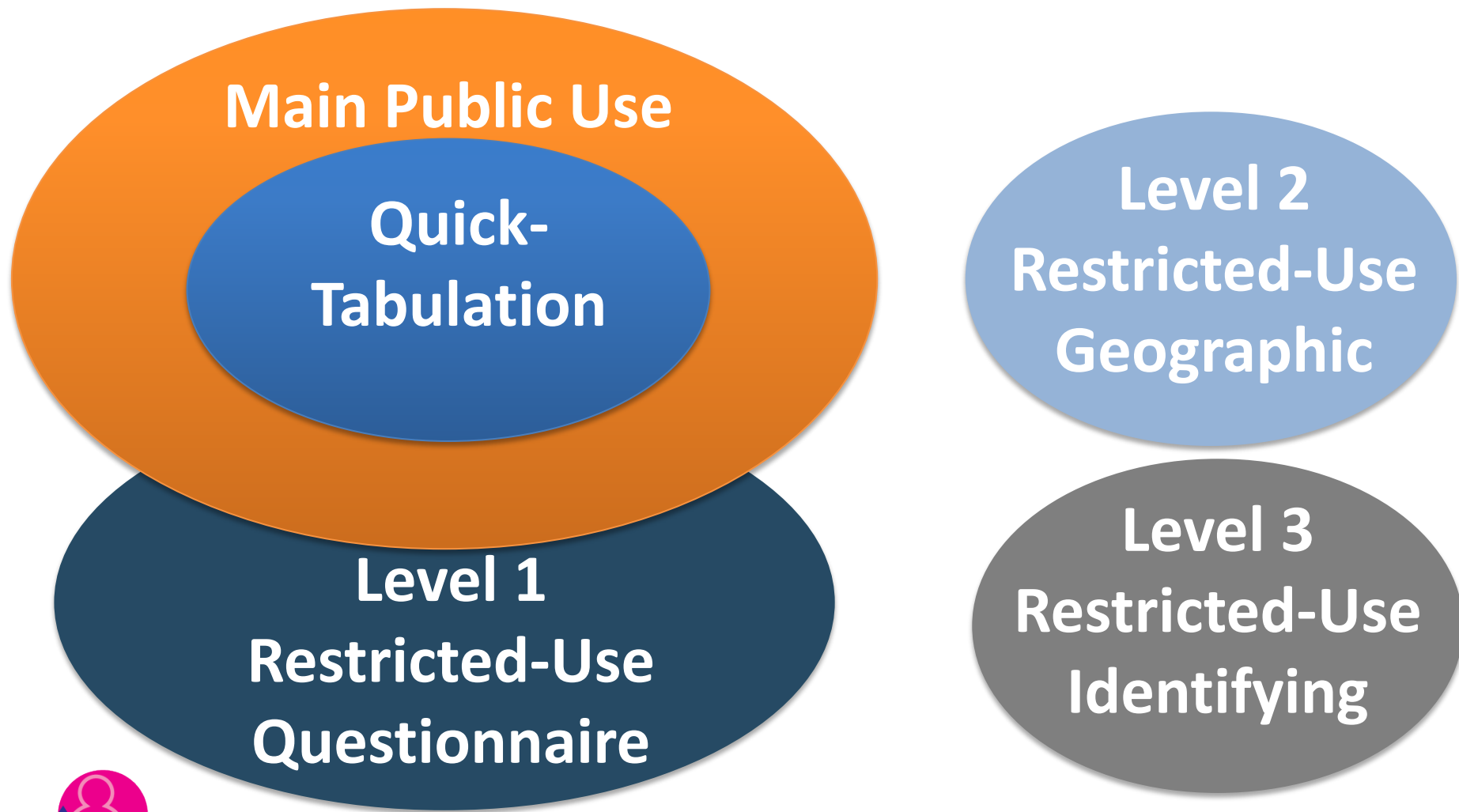
Household Survey

Household Data

National Survey of Early Care & Education

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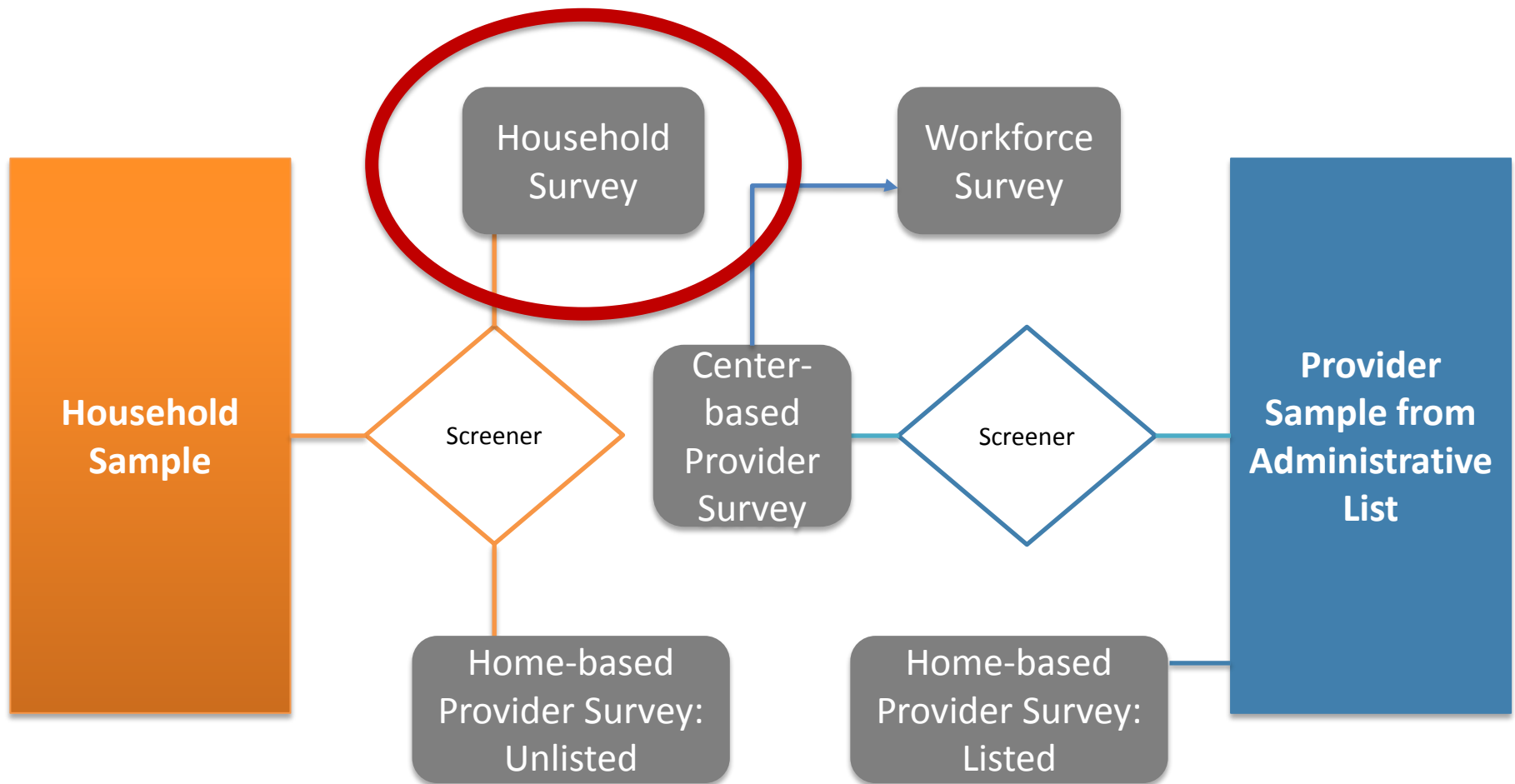
Household Respondent

- 11,629 households, including 21,665 children under 13 years
- Respondent was an individual who was knowledgeable about the ECE usage and schedule of the youngest child in the HH
- Most commonly the mother, but could be another guardian or adult

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Levels of Observation

- Child-level: all children < 13 years
- HH members in roster
- ECE Providers used by HH last week
- ECE Arrangements (provider-child pairs)
- Parents/Caregivers for work calendar
- Most recent search for ECE
- Respondent level: work, demographics
- HH level: income/program participation

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Household Survey Data Files

	Sample Size	Topics	Type of Added Information
Quick Tab – HH	11629 HHs	Demographics, ECE Usage & Cost	
Quick Tab - Child	21,665 Children	Demographics, ECE Usage	
Main Public Use	11629 HHs	All but Calendar	Topics (Search), Levels (HH members, ECE arrangements), Values and Variables
Calendar (Public Use)	11629 HHs	Child and Adult Calendar only	
Restricted Use L1 Questionnaire	11629 HHs	Selected	Non-topcoded values, community characteristics, selected ECE provider characteristics

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Key Differences Across Household Data Files

- Quick tabulation: limited child or HH-level created variables to support usage and cost analyses

- Public use: Comprehensive data from calendars, at arrangement-level, search/perceptions

- Restricted use: A few variables with disclosure risk (income, occupation, cost of care)

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Household, from Household-level Quick Tab

Variable name:	HH_HHCOMP_NUMCH_0THRU5YRS		
Label:	Number of children ages 0 through 5 in HH		
Response	Codes	Unweighted Frequency	Weighted Percentage
None	0	4,595	39.39%
One	1	4,650	40.88%
Two	2	1,920	16.08%
Three	3	400	3.26%
Four or more	4	64	0.40%

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Household, from Child-level Quick Tab

Variable name:	HHC_HH_KIDS_NUM_0TO13		
Label:	Number of children ages 0-12 in the HH		
Response	Codes	Unweighted Frequency	Weighted Percentage
1	1	5,093	25.67%
2	2	8,214	40.38%
3	3	5,070	22.11%
4	4	2,052	7.87%
5	5	740	2.59%
6	6	324	0.89%
7	7	147	0.37%
8	8	16	0.10%
9	9	9	0.01%

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Household, from Child-level Quick Tab

Variable name:	HHC_NPC_NPROV_TOC4		
Label:	Child Provider count: center-based ECE		

Response	Codes	Unweighted Frequency	Weighted Percentage
0	0	19,291	86.99%
1	1	2,247	12.32%
2	2	122	0.66%
3	3	4	0.02%
4	4	1	0.01%

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Household, from Child-level Quick Tab

| Variable name:	HHC_HH_ECON_INCOME_POVRATCAT		
Label:	Ratio of annual income for calendar year 2011 to poverty level		
Response	Codes	Unweighted Frequency	Weighted Percentage
<100% income-to-poverty ratio	1	8,302	29.38%
>=100 to <200% income-to-poverty ratio	2	5,491	22.33%
>=200 to <300% income-to-poverty ratio	3	2,925	14.58%
>=300% income-to-poverty ratio	4	4,947	33.70%

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Center-based Provider Survey

National Survey of **Early Care** & **Education**

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Center-based Provider Data Files
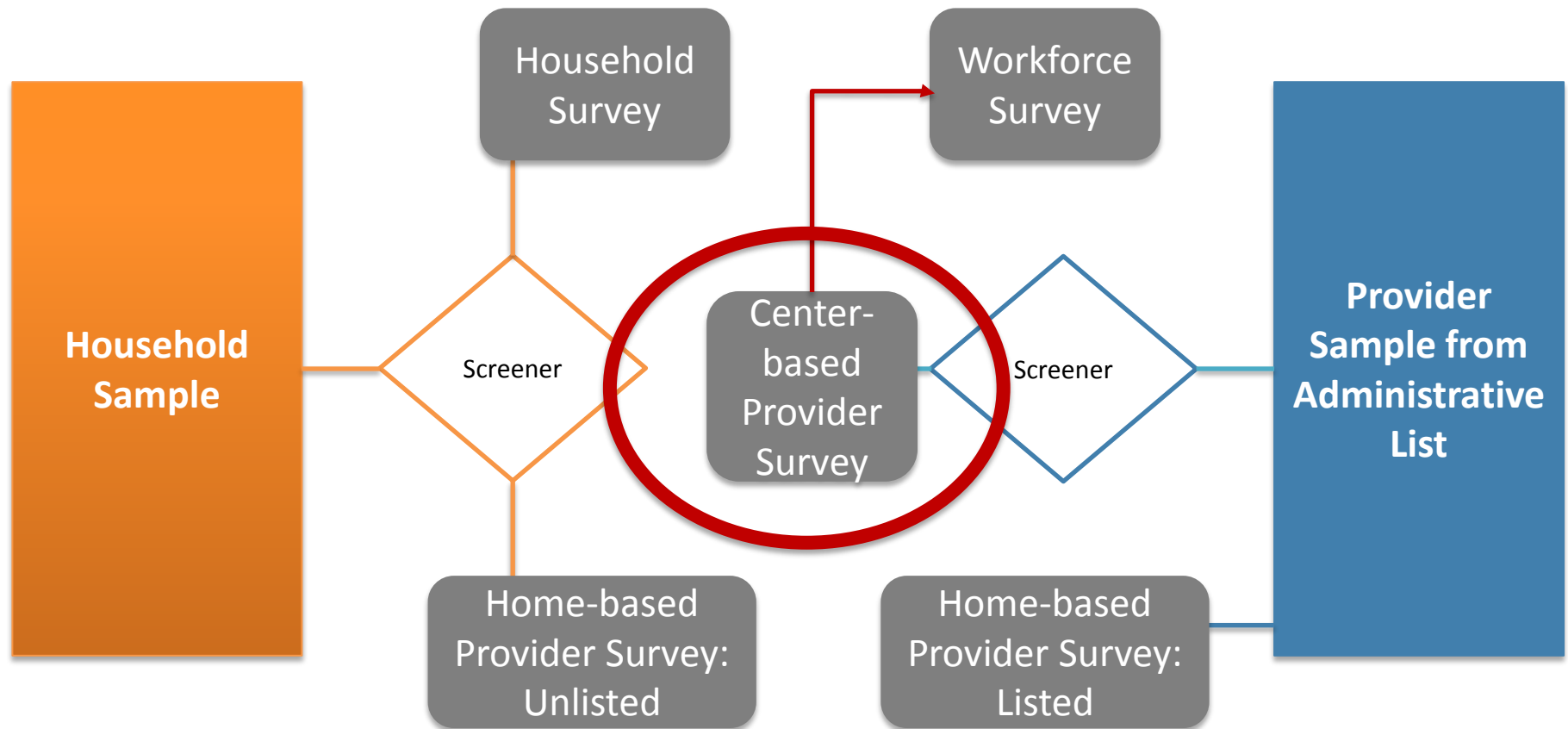
Center-based Respondent

- 8,265 center-based providers of ECE to children age 5 years and under

- Directors or instructional leaders knowledgeable about staffing and enrollment of ECE activities
  - ➢ Director in a standalone preschool
  - ➢ ECE coordinator in a multi-use facility
  - ➢ Pre-K lead teacher in an elementary school
  - ➢ Site director in a multi-unit program

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Definition of a Center-Based Program

- Serving at least one child age 5 years or under, not yet in kindergarten

- All services to children under age 13
- Provided by a single organization
- At a single location

This may include multiple activities (e.g., a Head Start program and after-school care)

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Levels of Observation

- Self-reported age groups; constructed age categories: prices, enrollment
- Center-level: funding sources, enrollment characteristics, hours of care
- Selected classroom: staffing, curriculum, enrollment
- Personnel in selected classroom: qualifications, recent PD, wages
- Respondent: qualifications, wage

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Center-based Provider Survey Data Files

	Sample Size	Topics Covered	Type of Added Information
Quick Tab	7770	Many	
Main Public Use	8265	All	Cases (Centers not currently serving children 0 through 5 years), Levels (classroom, age category, staff, respondent),
Restricted Use L1 Questionnaire	8265	Most	Detailed low-incidence codes, unmasked values

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Key Differences Across Center-based Data Files

- Quick tabulation: restricted to programs serving children not yet in kindergarten (n=7771).

- Public use: Additional cases for centers only serving school-age (n=8265), and many add'l variables.

- Restricted use: Variables with disclosure risk (wages, prices, enrollment counts, rare cells, etc.)
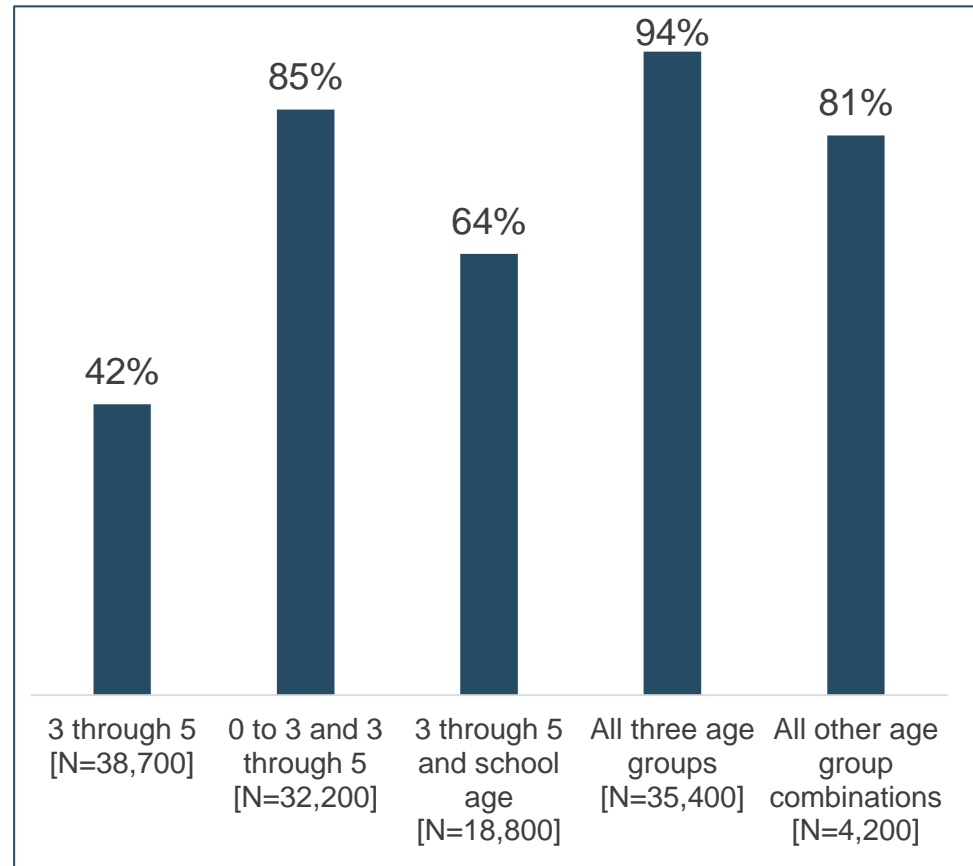
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Public Use Variables not in the Center-based Quick Tab

- Classroom-level data (randomly selected); has a classroom weight
- Workers in randomly-selected classroom; use classroom weight
- Respondent data (director or instructional leader)
- Self-defined age groups' data

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Example: Center-based Programs Open at Least 30 Hours Weekly by Combination of Age Groups Served

- Age groups served: 'at least one child served' in age range

- Hours based on prior week care provided to at least one child.

3 through 5 [N=38,700]	0 to 3 and 3 through 5 [N=32,200]	3 through 5 and school age [N=18,800]	All three age groups [N=35,400]	All other age group combinations [N=4,200]
42%	85%	64%	94%	81%

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Example: Auspice and Funding

Shares of Program Auspice Across Public/Private Mix in Top Two Revenue Sources

	Private	Public	Mixed

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Example: Auspice and Funding

Shares of Program Auspice Across Public/Private Mix in Top Two Revenue Sources

	Private	Public	Mixed
For profit			
Nonprofit			
Run by government agency			
Other			
Total			

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Example: Auspice and Funding

Shares of Program Auspice Across Public/Private Mix in Top Two Revenue Sources

Row Percent	Private	Public	Mixed
For profit	31.9	10.2	57.9
Nonprofit	38.6	32.3	29.1
Run by government agency	7.6	72.0	20.4
Other	‡	‡	‡
Total	31.5	31.4	37.1

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(Classroom-assigned) Workforce Survey

Workforce Data Files

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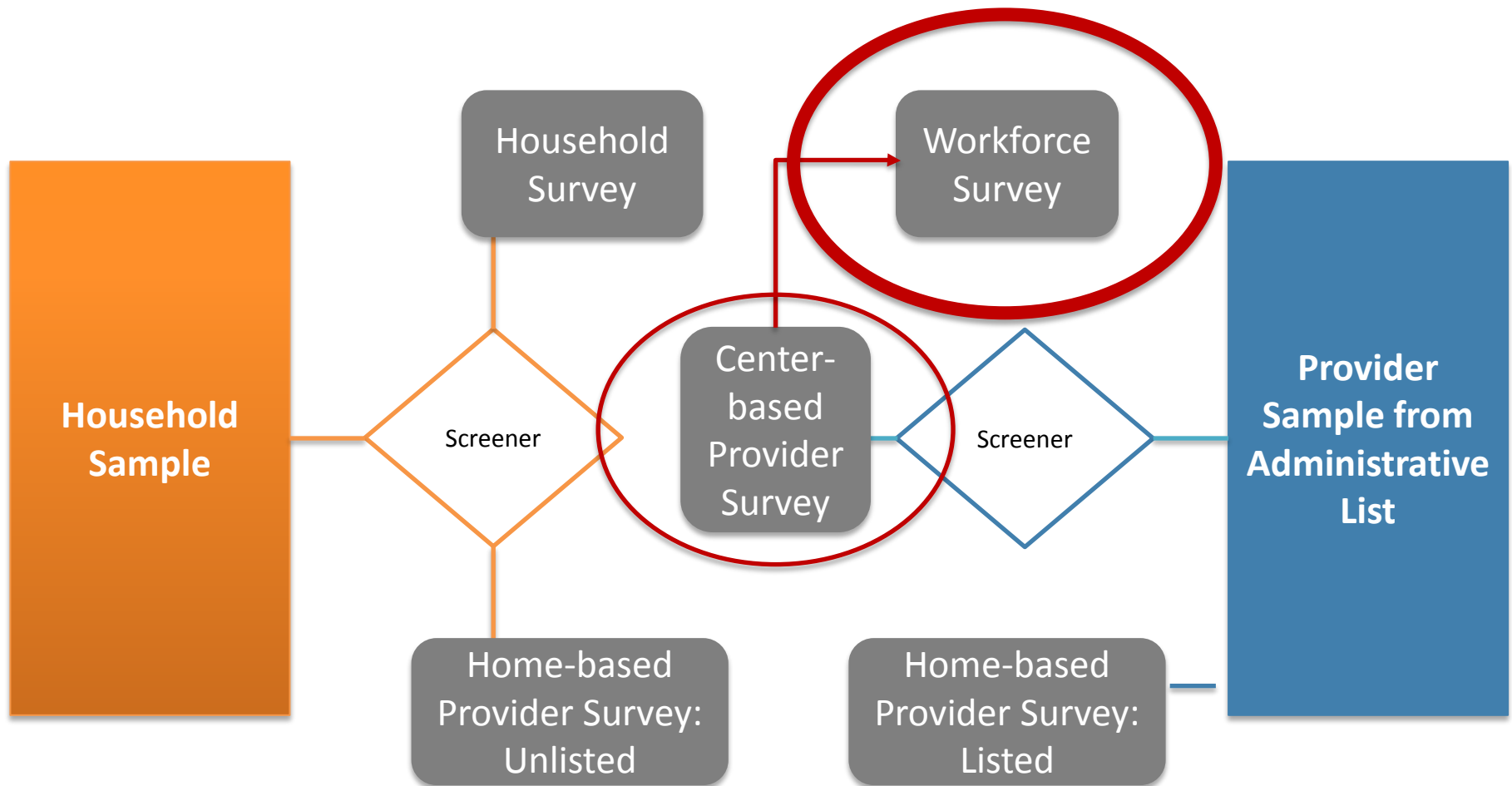
Workforce Respondent

- Center-based survey completed first
- Workforce respondent 'spawned' from center data: (lead) teacher, assistant, aide. No specialists.
- 5,556 cases
- Interview timing ranged from same day as CB to a few months later.

Levels of Observation

- One level of observation throughout (about worker)

- Personal characteristics
- Qualifications
- Recent professional development
- Wages/compensation
- Attitudes

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Workforce Survey

	Sample Size	Topics	Type of Added Information
Quick Tab	4832	All	
Main Public Use	5655	All	Workers not serving children 0 through 5 years, scale components, detailed code frames
Restricted Use L1 Questionnaire	5655	Minimal	Detailed low-incidence codes, unmasked values

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Key Differences Across Files of Workforce data

- Quick tabulation: restricted to teachers and caregivers working with children not yet in kindergarten (n=4,851).

- Public use: Additional cases for those working with older children, including at centers serving children <=5 (n=5556)

- Restricted use: Small number of additional values (unmasked wages, less common countries of origin, etc.)

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Using Center-Based Data in Workforce Analyses

- Characteristics of source center and classroom can be used in WF analyses

- Only one WF respondent from each center; WF data do not 'represent' their source centers

- Not all centers have completed WF data, but weighted WF cover center universe
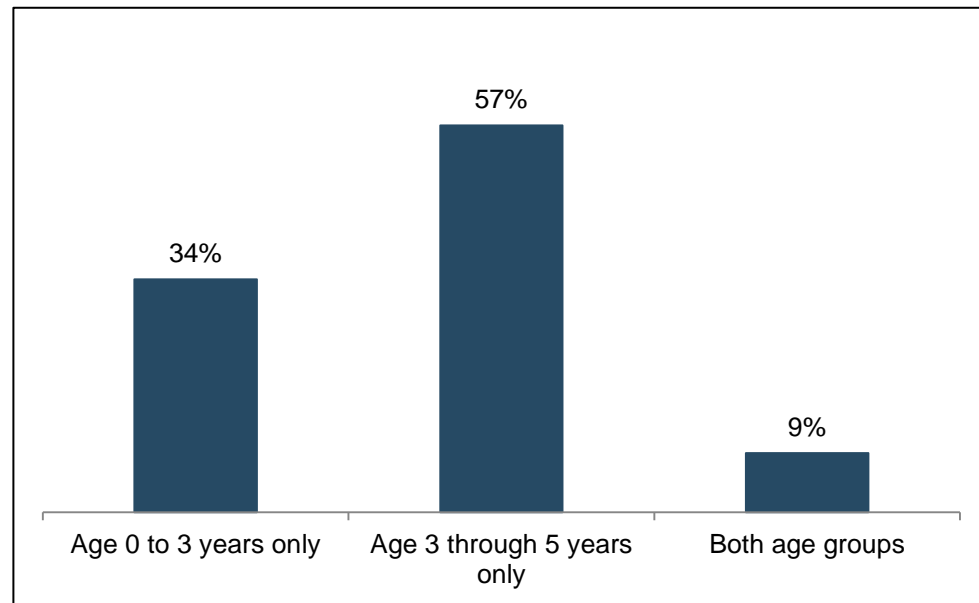
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Example from Brief on Teachers and Caregivers

Percent of Center-Based Programs by Age of Children Enrolled

Percent of Center-Based Center-Based Teachers and Caregivers by Age of Children Enrolled
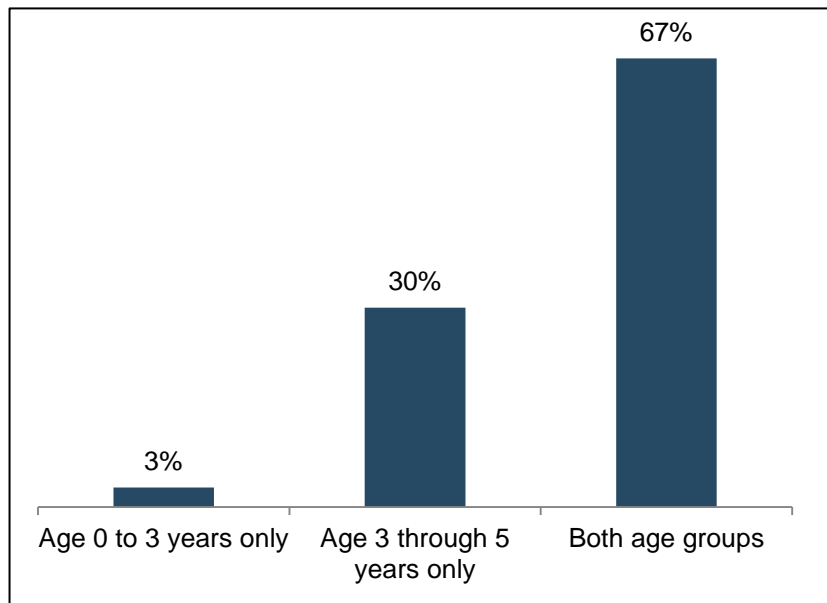
- CB data, not linked to WF for center estimates.

- WF data based on source classroom and corrected in WF questionnaire

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Home-Based Provider Survey

Home-based Provider Data Files

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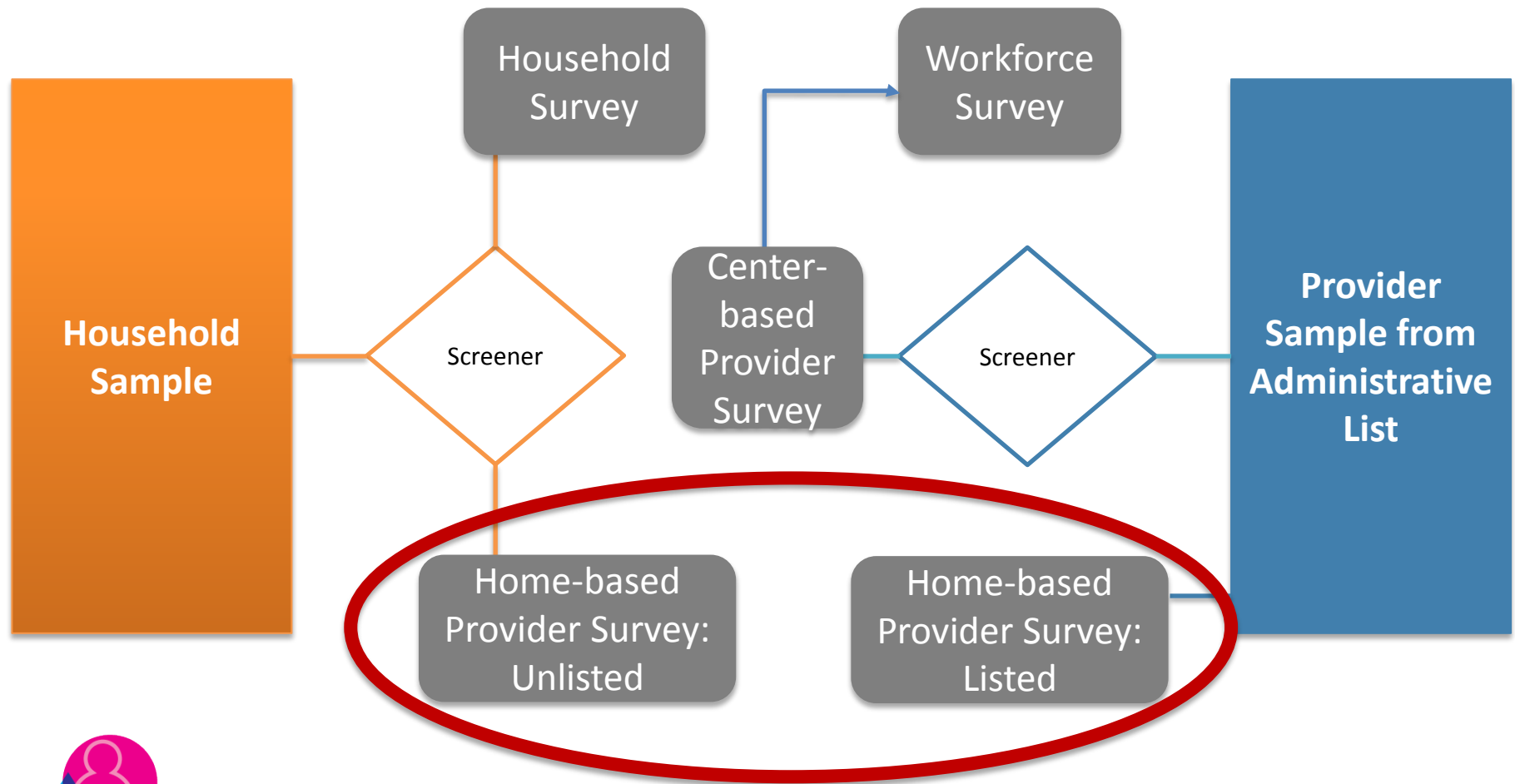
Home-based Questionnaire

- Same questionnaire for listed and unlisted
  - Listed: drawn from state and national lists, including for licensing, license-exempt, registered, Early Head Start, etc.
  - Unlisted: identified through household screening as caring regularly for children under 13 not their own in a home-based setting

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Home-based Respondent

- One respondent: the provider/'owner'
  - Paid staff are not interviewed, but can be counted in the data
  - For unlisted, one provider was randomly selected if more than one was identified
- 3,934 Listed and 2,052 Unlisted providers

Levels of Observation

- Child-level (for small providers)
- Age-group level (for large providers)
- Provider-level: Prices, revenues, government program participation
- Respondent-level: qualifications, earnings, professional development
- HH members
- Paid care givers

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Home-based Provider Survey Data Files

	Sample Size	Topics	Type of Added Information
Quick Tab - Listed	3,934	Many	
Quick Tab - Unlisted	2,052	Many	
Main Public Use	5,986	Many	
Restricted Use L1 Questionnaire	5,986	All	Levels (children in small providers, HH members, paid staff), Detailed low-incidence codes, unmasked values

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Key Differences Across Files of Home-based data

- Quick tabulation: separate files for Listed and Unlisted.

- Public use:
  - One file for both listed and unlisted.
  - Many variables reported for only one sample source because of disclosure risk.

- Restricted use: child-level detail among small providers, masked values

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NSECE classification

- Listed (n~3,934, weighted n=121,000)
- Unlisted, paid – paid for at least one child. Most have prior relationship to all children. (n~535, weighted n=1.1M)
- Unlisted, unpaid – almost all have prior relationship to all children. Many may live in same household as child. (n~1,517, weighted n=3.9M)
- **Many other taxonomies may be possible!**

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NSECE Classification of HB Providers: Examples # 1

| NSECE Classification	Examples of Home-Based Care
Listed	Early Head Start (home-based)
	Grandmother caring for a grandchild and who also operates a licensed family day care home
Unlisted Paid	Nanny
	Uncle receiving subsidy payments to care for nephew
	Neighbor providing at least 5 hours per week of paid babysitting
Unlisted unpaid	Adult sibling who lives in the same household as younger sibling children and cares for them for free at least five hours per week

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NSECE Classification of HB Providers: Examples # 2

NSECE Classification	Examples of Home-Based Care
Listed or Unlisted-Paid, depending on state requirements and provider's status	Family Child Care Providers
Unlisted-Paid or Unlisted-Unpaid, depending on whether she is paid (whether by the family or through a subsidy)	Grandmother caring for one grandchild who does not live with her
Any category depending on: - payment status of any child in care - appearance of provider in state administrative lists	Family, friend or neighbor providing at least 5 hours per week of care

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Example from 'Who Provides Home-Based ECE' Fact Sheet

Percentage of Home-based Providers (Listed and Unlisted, Paid) Serving >= One Child with No Prior Personal Relationship, by Poverty Density

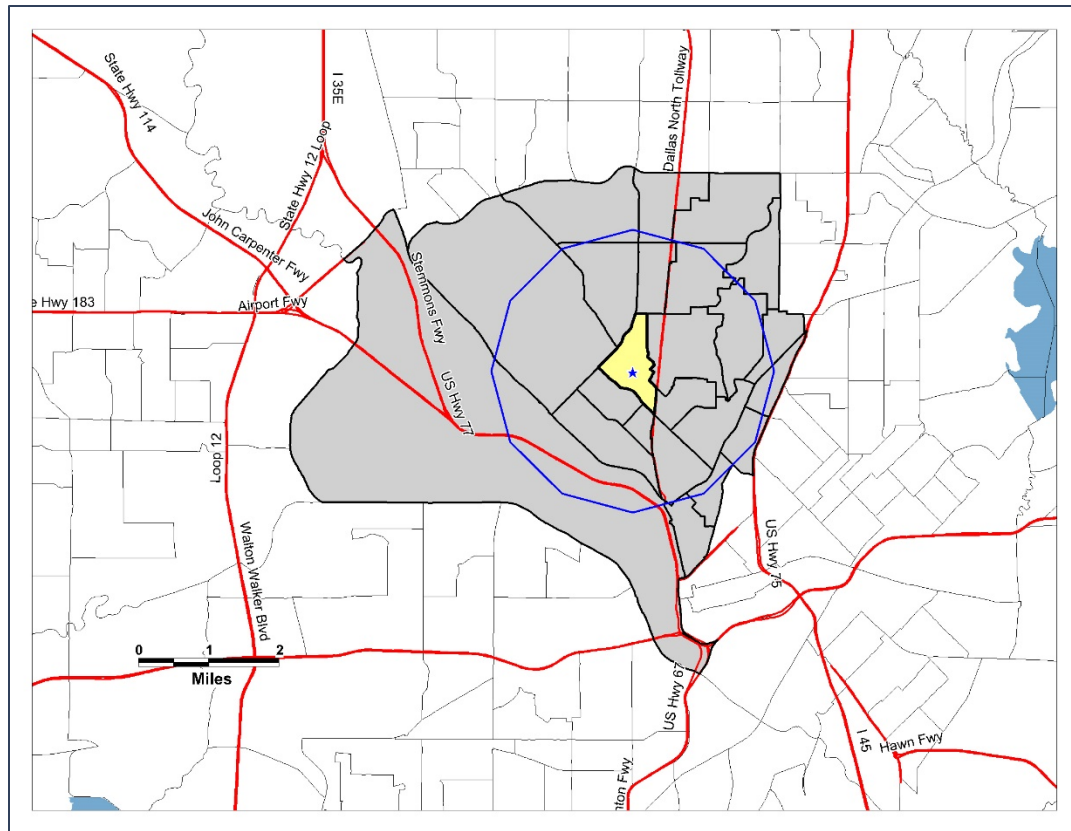National Survey of Early Care & Education

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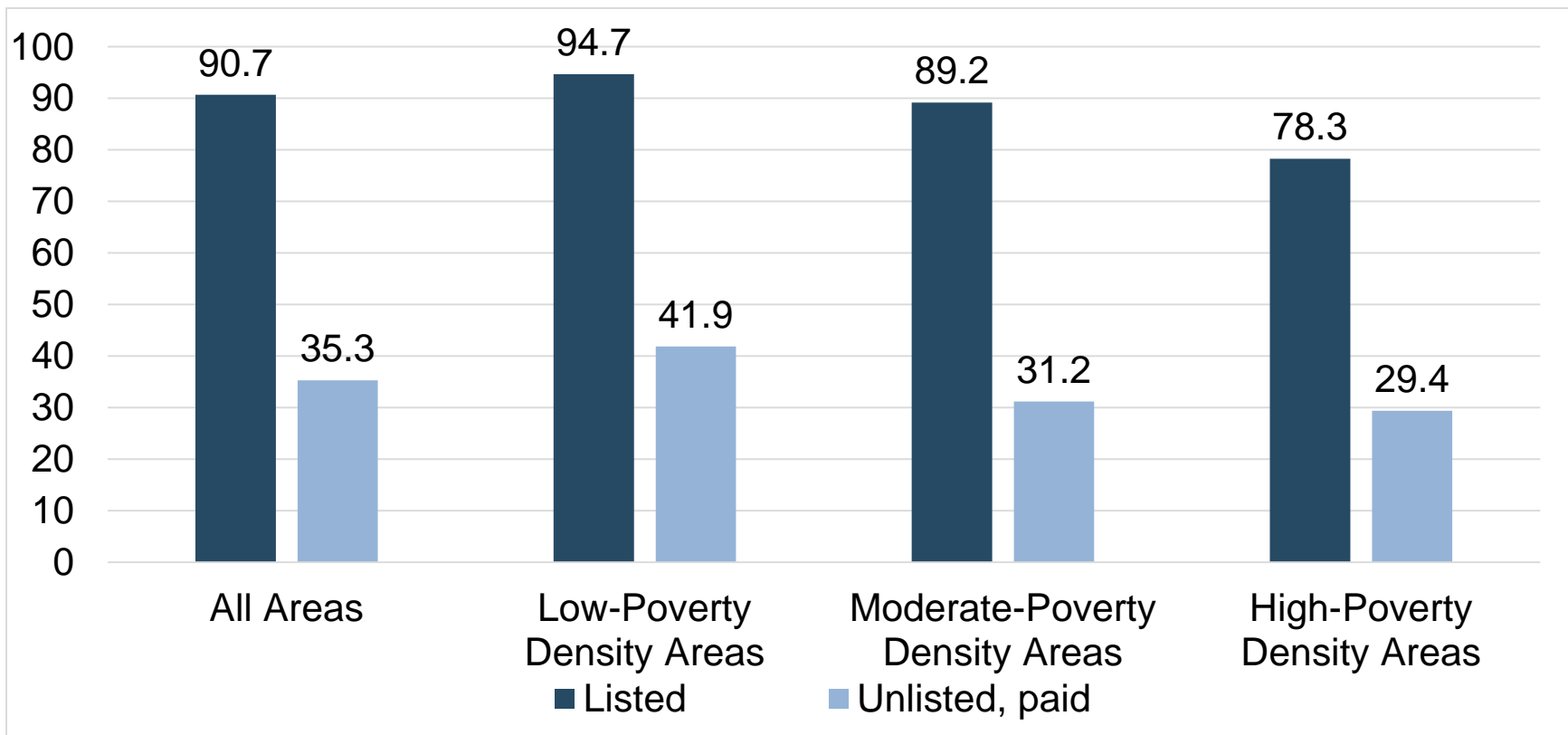
Community Characteristics

- Cluster
  - Anchor tract: Responding unit (HH, CB, HB)
  - Population centroid, a radius of 2 miles, intersecting "scatter" tracts

- Characteristic
  - Adjusted mean of tract-level ACS data
  - Adjust by # of children < 18 years and (inverse) distance from anchor tract

Dallas County 0006.01

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Additional Resources

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NSECE Resources

- Visit Research Connections http://www.researchconnections.org/childcare/studies/35519

  for NSECE updates

- Main public-use data files released by July 1

- Summer workshop July 20-23 (applications due soon)

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Questions about using the NSECE data?

Please write **NSECE@NORC.ORG**