



National Survey of
Early Care & Education

2019 National Survey of Early Care and Education (NSECE) User's Guide – Household

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Disclaimer

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Note: *An earlier version of this document was available at ICPSR. This version was updated in July 2022 to add entries for 20 new variables that were added to the 2019 NSECE household public-use data file, to correct entries for 2 variables that were corrected in that data file, to edit entries for 165 variables, and to include the OPRE report number. Users can find a detailed list of each of these updates at the end of this document, (see "Data File Updates").*



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Table of Contents

1. Introduction to the NSECE Main Public-use Data Files	1
2. NSECE Sample Design and Data Collection	3
2.1 Study Overview.....	3
2.1.1 Study Background.....	3
2.2 Household Survey Data Collection.....	14
3. Documentation and Data File Conventions.....	17
3.1 Types of variables: Derived and Raw Variables	17
3.2 Other Data File Conventions.....	17
3.2.1 Variable Naming Conventions	17
3.3.2 Looped Variables	18
3.3.3 Data Flags	20
3.3 Variable-level Documentation	20
3.3.1 Understanding Codebook Entries.....	21
3.3.2 Additional information for understanding variable entries	27
3.3.3 Frequencies	28
3.4 Disclosure Treatment in Preparation of NSECE Data Files.....	33
3.4.1 Disclosure Limitation Strategy	33
3.4.2 Summary of Disclosure Limitation Methods	34
3.4.3 Examples of Data Treated For Disclosure.....	35
4. Analyzing Household Survey Data	37
4.1 Household Respondent	37
4.2 Sampling Weights and Variance Estimation.....	38
4.2.1 Sampling Weights	38
4.2.2 Design-corrected Standard Errors.....	38
5. Variable-level Documentation for Main Household Public-Use Data File	40
1. Methodological Variables.....	40
2. Child's Demographic Characteristics	53
3. Household Composition.....	66
4. Household's Demographic Characteristics.....	95
5. Household Income.....	126
6. Other Economic Indicators.....	138
7. Parental Employment – Hours Worked	175
8. Type of Care.....	187

9. Total Number of Providers at the Child Level.....	220
10. Total Number of Hours in Care by Type of Care	224
11. Total Number of Providers by Type of Care	228
12. Total Number of Providers at the Household Level	237
13. Variables Summarizing Aspects of Non-parental Care.....	240
14. Cost of Non-parental Care	260
15. Community Characteristics	277
16. Distance Variables	280
17. Respondent and Respondent’s Spouse Employment Schedule.....	285
18. Search for and Perceptions of Non-parental care	288
6. Variable-level Documentation for Calendar Data file.....	342
1. Data File Structure.....	342
2. Questionnaire Content.....	343
3. Child Calendar Questions	344
4. Adult Calendar Questions	346
5. Gap Check Questions.....	347
6. Data File Content.....	348
7. Data File Content Example	351
Data File Updates	355

List of Exhibits

Exhibit 1.1	Characteristics of the NSECE Data Products	2
Exhibit 1.2	2019 NSECE Sample Types and Questionnaires	4
Exhibit 2.1	Hypothetical Provider Cluster	6
Exhibit 2.2	2019 NSECE Household Survey Data Collection Flowchart.....	15
Exhibit 2.3	Percentage of Total Completed Household Surveys by Month.....	16
Exhibit 3.1	NSECE Variable Naming Conventions for Data File and Survey Year	18
Exhibit 3.2	Raw and Derived Variable-level Entries	21
Exhibit 3.3	Codebook Entry Feature Descriptions (Derived Variable).....	22
Exhibit 3.4	Sample Codebook Entry (Derived Variable)	23
Exhibit 3.5	Codebook Entry Feature Descriptions (Raw Variable)	24
Exhibit 3.6	Sample Codebook Entry (Raw Variable).....	26
Exhibit 3.7	Common Abbreviations in Household Main Public-use Variables and Labels	28
Exhibit 3.8	Most Common Units of Observation in Household Public-use Data File.....	29
Exhibit 5.1	Types of Care: Non-parental and Parental Care.....	188

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1. Introduction to the NSECE Main Public-use Data Files

This manual provides information on the 2019 National Survey of Early Care and Education (NSECE) Household public-use data files. The NSECE is funded by the Office of Planning, Research, and Evaluation (OPRE) in the Administration for Children and Families (ACF), U.S. Department of Health and Human Services (HHS). The project team is led by NORC at the University of Chicago, with partners Chapin Hall at the University of Chicago and Child Trends, as well as other collaborating individuals and organizations. The primary purpose of the study is to provide a comprehensive portrait of both the availability and use of early care and education (ECE) in the United States.

In 2012, the NSECE conducted a set of four integrated surveys of 1) households with children under age 13, 2) home-based providers, 3) center-based providers, and 4) the center-based provider workforce. Together they characterize the supply of and demand for ECE in America and permit better understanding of how well families' needs and preferences coordinate with providers' offerings and constraints. Before this effort, there had been a 20-year long absence of nationally representative data on the use and availability of ECE. To update the information collected in 2012, OPRE funded a new round of the NSECE in 2019. The 2019 NSECE followed a similar design to the 2012 study, including surveying households with young children, home-based providers, center-based providers, and staff working in center-based classrooms. These new data will help to shed light on how the ECE landscape changed from 2012 to 2019.

The 2019 NSECE has resulted in three types of data products that will be useful to researchers, policy firms, and government agencies with questions on ECE-related topics. **Exhibit 1.1** below provides an overview of each NSECE data product.

Exhibit 1.1 Characteristics of the NSECE Data Products

	Quick Tabulation	Main Public-use Data Files	Restricted-use Data Files
Total No. of Files	5	5	4
Access to Files	Unrestricted-use	Unrestricted-use	Restricted-use
Expected Users	Agency staff, policy firms, and researchers exploring data	Academic researchers with programming knowledge and statistical expertise	Academic researchers with programming knowledge and statistical expertise
Approximate number of variables per file	60 – 150	270 – 26,000	370 – 2000
Type of Data Included	<ul style="list-style-type: none"> Some questionnaire response data Some derived variables Community characteristics from ACS data No identifying information 	<ul style="list-style-type: none"> All questionnaire response data represented subject to disclosure considerations Extensive derived variables Community characteristics from ACS data No identifying information 	<ul style="list-style-type: none"> Questionnaire response data with disclosure risk PSU and state identification where possible SSU identifiers (linking variables, not actual location)

2. NSECE Sample Design and Data Collection

This section provides background on the study design and the data collection procedures for the Household Survey along with weighted and unweighted response rates.

2.1 STUDY OVERVIEW

2.1.1 Study Background

2.1.1.1 Study Overview

The primary purpose of the 2019 NSECE was to provide a comprehensive snapshot of both the availability and utilization of ECE in the U.S. in that year. The main objectives of the study included:

- ▶ Updating the 2012 NSECE, which was the first national portrait of the availability of ECE for the full spectrum of care providers, including households and providers from all 50 states and the District of Columbia.
- ▶ Identifying ECE and school-age care needs and preferences among households in the U.S. with children under age 13 as they pertain to supporting both the employment of parents and the development of children.
- ▶ Capturing data on all forms of non-parental care for all children under age 13 in a household.
- ▶ Providing the perspectives of both families and providers on the services offered in a system where children are often in multiple arrangements and providers receive funding from multiple sources.
- ▶ Linking the NSECE data set with policy-relevant data.
- ▶ Increasing the understanding of the care received by low-income children and how that varies across communities.

In 2012, the NSECE conducted a set of four integrated surveys of 1) households with children under age 13, 2) home-based providers, 3) center-based providers, and 4) the center-based provider workforce. Together they characterize the supply of and demand for ECE in America and permit better understanding of how well families' needs and preferences coordinate with providers' offerings and constraints. The study is funded by the Office of Planning, Research and Evaluation (OPRE) in the Administration for Children and Families (ACF), U.S. Department of Health and Human Services. The project team is led by NORC at the University of Chicago, with a team of partner organizations and individuals.¹

¹ Please see www.nsece.norc.org for a full list of 2019 NSECE team members.

To facilitate over-time comparisons, the 2019 NSECE largely replicates the design of the 2012 NSECE, although both are cross-sectional surveys with no intentional overlap in sampled households or providers.

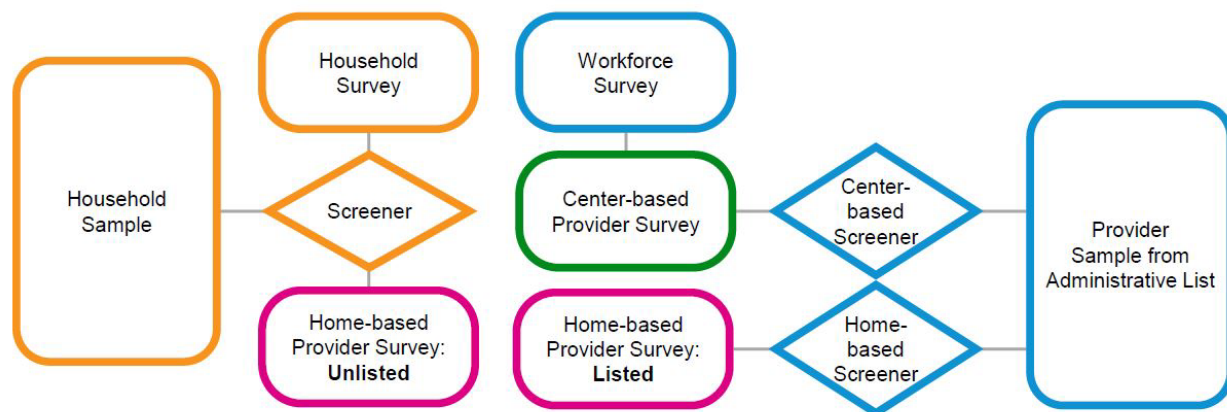
This summary documents key aspects of the 2019 NSECE survey design and data collection process. Data training resources for the NSECE provide extensive additional information about the design of the NSECE sample and the content of the NSECE questionnaires and data files. These resources are available at:

<https://www.childandfamilydataarchive.org/cfda/pages/cfda/nsece.html>.

2.1.1.2 Sample Design

Exhibit 1.2 provides an overall schematic of the NSECE sample types and questionnaires. The NSECE is a coordinated set of four nationally representative surveys pertaining to the supply of and demand for ECE in the U.S., including the individuals working directly with children. There are two primary sources of sample for these four surveys.

Exhibit 1.2 2019 NSECE Sample Types and Questionnaires



The household sample was an address-based sample of housing units selected from the Delivery Sequence File (DSF) maintained by the U.S. Postal Service. From this household sample, a household screening identified eligible households for two surveys:

1. Household survey. Households with at least one resident child under age 13 participated through an interview completed by an adult knowledgeable about the youngest child in the household.
2. (Unlisted) home-based provider survey. Individuals who do not appear on state and national lists of ECE providers but do care at least five hours weekly in a home-based setting for children under age 13 who are not their own.

The provider sample was a sample of addresses for known or potential ECE providers, as indicated in state and national lists of ECE providers. Three different surveys used the provider sample.

1. Center-based provider survey. This survey interviewed directors or instructional leaders of center-based programs that provided care to children birth through five years, not yet in kindergarten. These respondents were selected through a center-based screener which was administered at addresses in the provider sample.
2. Workforce survey. This survey interviewed classroom-assigned instructional staff working with children birth through five years, not yet in kindergarten. These respondents were selected from completed center-based provider interviews.
3. (Listed) home-based provider survey. This survey interviewed individuals appearing on state and national lists of ECE providers and who provided care at least five hours weekly in a home-based setting to at least one child under age 13 who was not their own.

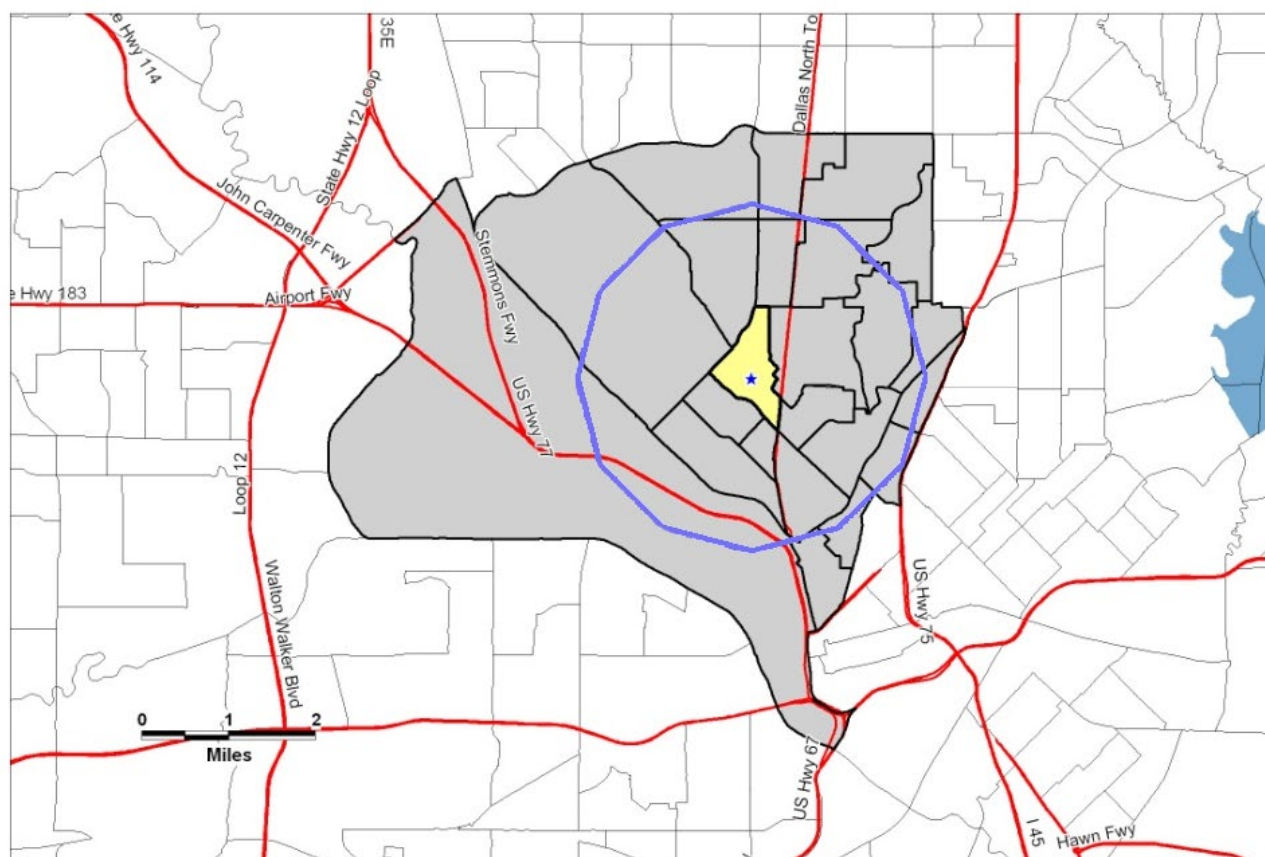
The NSECE sample design is a multistage probability design. In the first stage, we selected 219 primary sampling units (PSUs) across all 50 states and D.C. PSUs are counties or clusters of adjacent counties. We decided the number of PSUs to select in each state based on the population of children under age 18 within that state. In the second stage, we selected secondary sampling units (SSUs) for the household sample. SSUs are one or two adjacent census tracts. Because the experiences of low-income families are of special interest in public policy addressing ECE, the NSECE sample design included a low-income oversample: we disproportionately selected SSUs from areas in which at least 40 percent of households had income below 250 percent of federal poverty guidelines. Altogether, the NSECE selected 747 SSUs, with 508 SSUs in these high density low-income areas and 239 in areas with lower densities of low-income households. The large majority of PSUs in the 2019 NSECE were also part of the 2012 NSECE, although SSUs were newly sampled for 2019 within the PSUs, so census tracts overlap in the two years only by chance.

The 2012 NSECE sample design introduced something called the “NSECE provider cluster” for its nationally representative samples of providers. The provider cluster is a cluster of census tracts surrounding a central tract.

We depict a hypothetical provider cluster in **Exhibit 2.1**, below. The SSU is the central yellow area, which is the provider cluster’s core, while the gray shaded areas depict the remainder of the provider cluster. In this hypothetical example, we sample households from the yellow core (generally one or a small number of adjacent census tracts) for the household and unlisted home-based provider surveys. We sample providers from throughout the gray and yellow portions for the center-based and listed home-based provider surveys. The gray portion comprises all census tracts that overlap within a circle of two miles of the blue star, which is the population centroid of the SSU. Households may or may not seek ECE within the provider cluster where they live, but it is likely that households’ perceptions and experiences of availability within their provider cluster will affect their search and selection of ECE. Thus, the provider cluster allows us to document the interaction of the supply of and the demand for ECE in local communities, while simultaneously capturing data that efficiently construct national estimates.

Exhibit 2.1 Hypothetical Provider Cluster

Dallas County 0006.01



Every SSU corresponds to one provider cluster. The 2019 NSECE includes 747 SSUs sampled for 2019 fielding, and therefore 747 newly sampled provider clusters within the selected PSUs.

Household Sampling. We used a delivery sequence file (DSF) maintained by the U.S. Postal Service as the sampling frame for housing units (HUs) at the third stage of sampling. The DSF is known to be incomplete in some areas of the country, especially in some rural areas. With the exception of four SSUs, however, our address-based file had sufficient city-style addresses from which to sample. In the four SSUs where there was insufficient sample, we appended an adjacent census tract that was confirmed to meet the study's sampling needs.

Provider sampling. To build a comprehensive list of addresses of ECE programs in the 50 states and the District of Columbia, the NSECE team began by identifying lists of ECE providers available from every state child care licensing unit, division, or department. We then contacted each such unit, division or department to inquire about the comprehensiveness of online lists, and whether the agency maintained additional lists that it could provide to the NSECE team for licensed, registered, license exempt, or otherwise compiled child care providers. Either through web scraping, or using state-provided lists, the team secured child care provider lists from all 50

states. To supplement state lists and cover common exemptions, we also collected the following national lists:

- ▶ Department of Defense child care
- ▶ General Services Administration child care on federal property
- ▶ National Association for the Education of Young Children (NAEYC) -accredited programs
- ▶ Office of Head Start's national list of programs

The NSECE project team collected child care licensing lists primarily from May to August 2018. We obtained child care licensing lists from all 50 states and Washington, DC. We also documented all list types and exemptions in each state. The common lists obtained for states were home-based family or group care and center care. Two states' home-based provider lists were completed in the fall of 2018, necessitating a second sampling effort for the affected areas.

We collected public pre-kindergarten (public pre-K) lists primarily from April to August 2018. We downloaded lists from state websites when available or used web scraping to collect public pre-K program information. We collected public pre-K lists from 47 states, including Washington D.C. In remaining states, a list did not exist because there was no coordinated state-level funding program for public pre-K. With the exception of Montana, where programs serving children over age three and primarily educational in purpose were exempt from licensing requirements, public pre-K programs operating outside of public schools should have been included in licensing lists, though not separately designated. Mississippi also exempted Head Start programs operating in public schools from licensing.²

Because the 2012 NSECE data indicated that there were a number of ECE programs located in schools that were not on lists collected from the state department of education or licensing agency, we supplemented 2019 lists with ECE programs identified in the 100 largest school districts in the nation.³

We also included a proprietary list of all elementary schools in the nation offering at least one grade K through 8 and any early childhood program operated by a public school district. These were included as potential providers of ECE, although regular elementary school itself was not sufficient to qualify for the center-based provider survey.

From these assembled lists, we constructed a provider sampling frame of unique addresses that were indicated on lists as housing an ECE provider or an elementary school. Major sampling frame construction tasks including de-duplicating records within and across lists, handling missing address data (especially for home-based provider lists), and geocoding all identified addresses so that they could be associated with sampled provider clusters where appropriate. From the provider sampling frame, we extracted cluster-specific sampling frames consisting of all unique addresses housing at least one provider (or elementary school) on the sampling

² In the 2012 NSECE, the team also gathered after-school program lists. These lists were not gathered or incorporated into the 2019 frame unless they came from child-care licensing agencies.

³ Districts were identified as of 2015–16 school year, using most recently available NCES publications as of summer 2018.

frame within each sampled provider cluster. The ultimate sampling unit for center-based providers was the organization operating an ECE program at an address. For locations/addresses with multiple programs, we administered a screener that collected a list of programs at the address and the organizations operating each program. A single organization operating one or more eligible programs was randomly selected for interview.

OPRE made available to the states the opportunity to supplement their NSECE samples for the purpose of increasing state-specific sample sizes and analytic power. The state of Minnesota exercised this option to supplement the federal data collection. All SSUs were re-sampled for 2019 within the selected PSUs.

2.1.1.3 Component Surveys

Below, we describe each of the four surveys briefly and detail relevant changes between the 2012 and 2019 questionnaires.

The **Household Survey** documents the nation's demand for ECE services.

Administered to a parent or guardian of a child or children under age 13 in households with at least one member child under age 13. A *Household Screener* identified eligible respondents based only on the presence of an age-eligible child. Screening was completed by mail, by Web, by phone, and in person. All interviews were conducted by an interviewer, primarily in person but with a small fraction by telephone. A screening effort resolved eligibility for 93,875 housing units, for an unweighted screener completion rate of 85.5 percent (weighted 85.7 percent). From these, 8,576 eligible households completed a Household interview, yielding an unweighted interview completion rate of 63.5 percent (weighted 64.4 percent). The overall unweighted response rate is 54.3 percent (weighted 55.2 percent).

Key topics include details on usage of non-parental care, expenditures on non-parental care, parental search behavior for ECE, and the balance of parental employment with child care needs and availability.

Household survey data will help to answer such research questions as

1. Who is caring for America's children when they are not with their parents and do families with different demographic characteristics have different preferences or different patterns of usage?
2. How do families search for care and how does this vary by age of children, characteristics of parents, location, and availability of licensed slots per population?
3. How and how much do families pay for care?
4. How many families of different characteristics receive public financial support for ECE, and how does this vary by age of child and type of care utilized?

Distinctive features of the household questionnaire include collection of data on all children under age 13 (not just a focal child) and collection of child care payment data at the child-provider pair level rather than in aggregate. The NSECE data offer larger samples of low-

income children than do many other sources. The NSECE data are also valuable for more intensively investigating some of the patterns observed in other data. For example, the NSECE data expand the possibilities for understanding how parents coordinate work and school schedules with ECE usage, and the extent to which different types of care solve or present schedule coordination problems. Data from multiple children, details of parental searches for care, and innovative approaches for determining likely participation in government programs (such as CCDF, Head Start, or public pre-K) were all innovations in the 2012 household questionnaire.

Given the greater use of 2012 NSECE data for studying households with young rather than school-age children, the project team and OPRE worked to increase relative availability of data on young children, for example, emphasizing search and preferences for ECE for young children within the interview, and seeking to interview approximately 70 percent of screened households with youngest children six years or older while seeking out 100 percent of screened households with children under six years of age for the household interview.

Key changes in the 2019 household questionnaire include edits intended to improve the ability to identify publicly-funded center-based ECE arrangements and the source of that funding, specific identification of non-custodial parents as caregivers, and additional questions regarding children using individual providers to improve researchers' ability to associate individual providers with known types of home-based care. The 2019 household questionnaire also added items that asked about non-custodial parents' financial contributions to children's basic needs, households' prior receipt of child care subsidies, identification of five year-olds enrolled in kindergarten, and duration of usual commute for every parent of children in the household. In 2019, the questionnaire collected adult calendar data only for parents and their spouses in the household, omitting the non-parent regular caregivers whose calendars were also documented in the 2012 data.

To continue data collection into July, we made some revisions to the household questionnaire. As a result, detailed calendar data are not available for these last household interviews, although key created variables are available on the households' spring 2019 ECE usage and parental employment.

Household respondents could complete the household screener by Web, or with interviewers, either in-person or by telephone, and could complete the household questionnaire with interviewers either by phone or in-person.

The **Home-based Provider Survey** documents the nation's supply of home-based ECE services.

Administered to individuals who provide care at least five hours weekly in a home-based setting to children under age 13 who are not their own. Providers sampled for the home-based provider survey came from both the provider and household samples.

- ▶ *Listed* home-based providers appeared in the provider sampling frame constructed from state and national lists. Listed providers were primarily licensed, registered or regulated family day care providers, but also included other home-based providers appearing on state and national ECE lists, such as license-exempt providers.
- ▶ *Unlisted* home-based providers did not appear in the provider frame. These providers were identified through the household screener (specifically, that an adult in the sampled household regularly cared for children not his or her own at least five hours per week in a home-based setting).

By including providers identified through the household screener, the NSECE offers nationally representative data on the broad spectrum of home-based providers, whether or not they are known to state or national ECE entities. This data is one of the distinctive features of the NSECE. Other data from the home-based provider survey offer insights about both paid and unpaid care, including how these types of care differ in their characteristics and their availability to families.

The NSECE data include a combined total of 5,901 listed and unlisted home-based provider interviews. For listed home-based providers, eligibility was confirmed for a total of 6,709 home-based providers, for an unweighted screener completion rate of 77.7 percent (74.9 percent weighted). From these, 4,231 eligible listed home-based providers completed a Home-Based provider interview, yielding an unweighted interview completion rate of 90.3 percent (90.5 percent weighted). The overall unweighted response rate was 70.2 percent (67.8 weighted). For unlisted home-based providers, the unweighted screener completion rate was 79.0 percent (79.2 percent weighted). From these, 1,670 eligible unlisted home-based providers completed an Unlisted Home-Based provider interview, yielding an unweighted interview completion rate of 62.0 percent (57.5 percent weighted). The overall unweighted response rate for unlisted providers is 49.0 percent (45.5 percent weighted). **Key topics** in the home-based provider questionnaire include enrollment and the characteristics of the children served, rates charged for care, participation in government programs, household composition, qualifications for and attitudes toward early childhood education, use of curricula and activities conducted with children. Portions of the home-based provider questionnaire can contribute to analyses of the ECE workforce and mirror the content of the workforce questionnaire administered to classroom-assigned instructional staff at center-based providers. Other portions of this questionnaire closely mimic the center-based provider questionnaire. Because the questionnaires align with one another, researchers can make accurate comparisons across different types of providers on topics such as enrollment, program participation, perceptions of the subsidy system, and provider charges for care, attitudes, orientation, and activities.

Home-based provider survey data will answer such questions as

1. What kind of ECE is available across communities throughout the country?
2. How well does the available supply of ECE support parents' employment?
3. How do different types of providers vary in their characteristics of care and affordability?
4. Who are the individuals working in ECE? What are their experiences in terms of employment characteristics, classroom activities, and professional development? What are their attitudes, orientations, and stress and depression levels?

Key changes in the 2019 questionnaire include new questions that ask about the provider's perceptions of the subsidy system, and questions pertaining to the professional development, revenues, and other support services that the provider receives. The 2019 NSECE also added a home-based provider screener that contained a few questions for sampled addresses where home-based ECE is no longer provided. For June and July interviews, respondents reported activities as of spring 2019, and answered a small number of questions about the timing and extent of changes between school-year and summer care.

Home-based providers completed their interviews by Web, or with interviewers, either in-person or by telephone. The **Center-based Provider Survey** documents the nation's supply of center-based ECE services.

Administered to directors or instructional leaders of ECE programs that provide care to children birth through five years, not yet in kindergarten, who were identified from the provider sampling frame built from state or national administrative lists such as state licensing lists, Head Start program records, or lists of public pre-K programs obtained from each state. These providers included regulated, licensed, and other private providers as well.

The center-based provider questionnaire was preceded by a *Center-based Provider Screener* that determined eligibility for the center-based provider questionnaire and sampled a responding organization when multiple organizations were serving children five and under not yet in kindergarten at the address.

This survey was administered using Web, in-person, and telephone interviewing. Eligibility is known for 16,211 addresses, for an unweighted screener completion rate of 87.6 percent (weighted 89.2 percent). From these, data are available for 6,917 eligible center-based providers, yielding an unweighted interview completion rate of 70.1 percent (69.9 percent weighted). The overall unweighted response rate is 61.5 percent (62.4 percent weighted).

Key topics include enrollment and characteristics of children served, staffing, prices charged, schedules of service, participation in government programs, and staff compensation and professional development policies. The center-based provider questionnaire also selects a representative classroom to collect more detailed staffing and compensation information from.

Although the questionnaire does not collect observational data on the care provided, it does include a variety of measures at both the program and individual staff levels that have been found in the literature to predict observed quality of care. The 2012 NSECE updated nationally representative data on the supply of ECE contained in the 1990 Profile of Child Care Settings. The 2019 questionnaire expands on the 2012 questionnaire in many ways, including questions on the blending of public funding sources (sometimes with private funds), the provision of public pre-K in school-based and community-based settings, and targeted accommodations such as comprehensive services and services for English-language learners and their families.

Selected segments of the center-based provider questionnaire were designed in parallel with the home-based provider questionnaire, so that comparable data would exist for more formal home-based providers as well as for centers.

Center-based provider survey data will answer such questions as

1. What kind of ECE is available across communities throughout the country?
2. How well does the available supply of ECE support parents' employment?
3. How do different types of providers vary in their characteristics of care and affordability?
4. How many and what types of providers participate in quality improvement efforts such as staff quality ratings and professional development?

Key changes in the 2019 questionnaire involved a substantive expansion of questions collecting information on a center's revenues covering topics including: blending of funding at the center, classroom, and child level, and center practices for using subsidies. The 2019 questionnaire also included additional questions covering the center's food offerings and participation in the federal food program, and the respondent's training on aspects of operating and managing a child care center. Finally, some 2012 staffing questions were edited to focus more specifically on ECE for children age five and under, not yet in kindergarten. For June and July interviews, respondents reported activities as of spring 2019, and answered a small number of questions about the timing and extent of changes between school-year and summer care.

Center-based providers completed interviews by Web, paper-and-pencil, telephone, or with interviewers, either in-person or by telephone.

The **Workforce Survey** documents the nation's classroom-assigned center-based ECE workforce.

Administered to lead teachers, teachers, instructors, aides and assistants working with children five years old and younger, not yet in kindergarten, selected from the center-based survey. While the 2012 workforce sample included exactly one such staff member from each center-based provider, the 2019 sample included a randomly selected sub-sample of center-based providers for whom two instructional staff members were selected, if available, from the same randomly selected classroom. The presence of two staff members' data for some classrooms will allow for explorations of within-classroom collaborations of instructional staff and comparison of wages, skills and attitudes of workers within the same classroom. Specialists and other staff members who cannot be described as (lead) teachers, instructors, aides or assistants were not eligible for the workforce survey in either 2012 or 2019.

Altogether, 4,709 workforce respondents completed interviews using Web, paper-and-pencil, telephone, and in-person modes, yielding an unweighted interview completion rate of 73.7 percent (72.0 percent). The overall unweighted response rate is 72.8 percent (70.9 percent weighted). These numbers include 379 interviews with a second worker in a sampled classroom.

Key topics in the workforce questionnaire closely mirror those of the home-based provider questionnaire, so that the two data sources together can paint a rich portrait of the paid ECE workforce, including center-based and home-based paid providers (individuals who were not paid were profiled as described in the unlisted home-based provider paragraph above). Topics include information about the work setting (activities in the classroom, interactions with parents

and other staff, availability of professional development and other supports), roles and responsibilities (lead teacher, teacher, assistant teacher, aide), compensation (wages and benefits), and perceived leadership and morale, as well as personal information about qualifications, attitudes toward ECE, and stress, depression, and demographic information.

Some of the workforce survey data will allow tabulation by provider program characteristics (such as enrollment size, type of care, geographic location, for-profit/not-for profit status, and participation in government programs), as well as factors that have been found in the literature to predict observed quality. These factors include staff qualifications and compensation, use of curricula, availability of professional development, and children's activities while in care.

The data will allow researchers to explore such questions as

1. Who are the individuals working in ECE?
2. What are their experiences in terms of employment characteristics, classroom activities, and professional development?

Key changes in the 2019 questionnaire include asking additional items about a selected classroom. These additional items include the number of children and staff in that selected classroom, as well as the race/ethnicity, and languages spoken other than English by the children and staff in that classroom. This new section also asks about the food security status of the children in that selected classroom. These data describe a nationally-representative sample of classrooms. The 2019 questionnaire also expanded the section on staff's professional development, including additional items on coursework, format of health or safety training, professional development plan, and time spent on professional development. There were no specific adaptations to the workforce questionnaire for June and July interviews.

Workforce respondents completed interviews by Web, paper-and-pencil, telephone, or with interviewers, either in-person or by telephone.

Questionnaires for each survey are available at:

<https://www.acf.hhs.gov/opre/research/project/national-survey-of-early-care-and-education-2019>

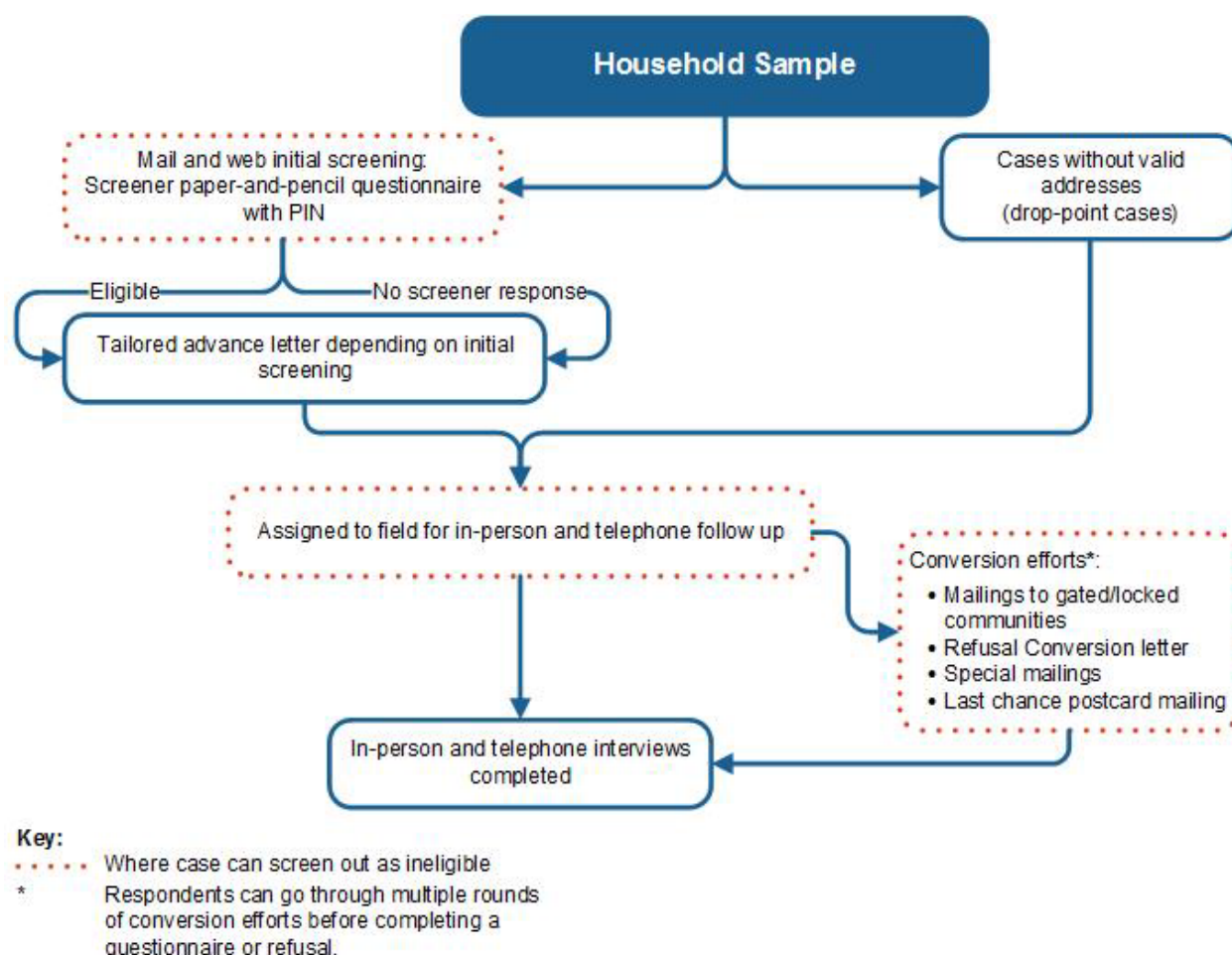
2.2 HOUSEHOLD SURVEY DATA COLLECTION

Beginning in November 2018, the NSECE team conducted a pre-field screening effort by mail. We sent an initial mailing to all households in our sample with a valid address (we assigned cases without valid addresses directly to the field with special instructions). The initial mailing included a paper-and-pencil, self-administered questionnaire (SAQ) version of the household screener, a postage-paid envelope, and a letter that asked households to complete the SAQ and return it in the postage-paid envelope. The initial mailing also included a \$2 bill in order to encourage households to complete and return the SAQ. Shortly after the initial mailing, we sent a thank you/reminder postcard in order to encourage households to complete and return their SAQ. We then sent follow-up mailings to any households that had not returned their SAQs. The follow-up mailings also provided a link to an online version of the household screener and invited households to complete the screener by web, if they preferred. About two weeks after the follow-up mailing, we mailed a follow-up letter that included a second SAQ and postage-paid envelope, along with another link to the web version of the household screener to any households that had still not completed the screener. By screening as many households as possible in low cost modes prior to the start of the 2019 field period, we hoped to reduce burden on respondents, the costs associated with in-person screening, and the workload on field staff when data collection started in winter 2019.

Exhibit 2.2 depicts the paths that household cases followed depending on their responses to the household pre-field screening effort.

1. **Completed mail screener – Eligible for household survey.** When a household indicated through the household screener that they were eligible for the main household questionnaire, the NSECE team sent a letter thanking them for their response and informing them that a field interviewer would be contacting them soon to ask some additional questions. We sent these mailings as we received eligible screeners into the early field period.
2. **Completed mail screener – Not eligible for household survey.** When a household indicated through the household screener that they were ineligible for the main household questionnaire, we made no further contact.
3. **No completed mail screener.** When a household did not respond to any initial screening efforts, we assigned them to field interviewers for telephone and in-person follow-up. Field interviewers began this outreach in January 2019. Prior to field interviewer outreach, the NSECE team mailed these households a letter that reintroduced the NSECE and informed them that a field interviewer would contact them in the near future. Interviewers attempted to screen these households and administer the main household questionnaire if eligible.

Exhibit 2.2 2019 NSECE Household Survey Data Collection Flowchart



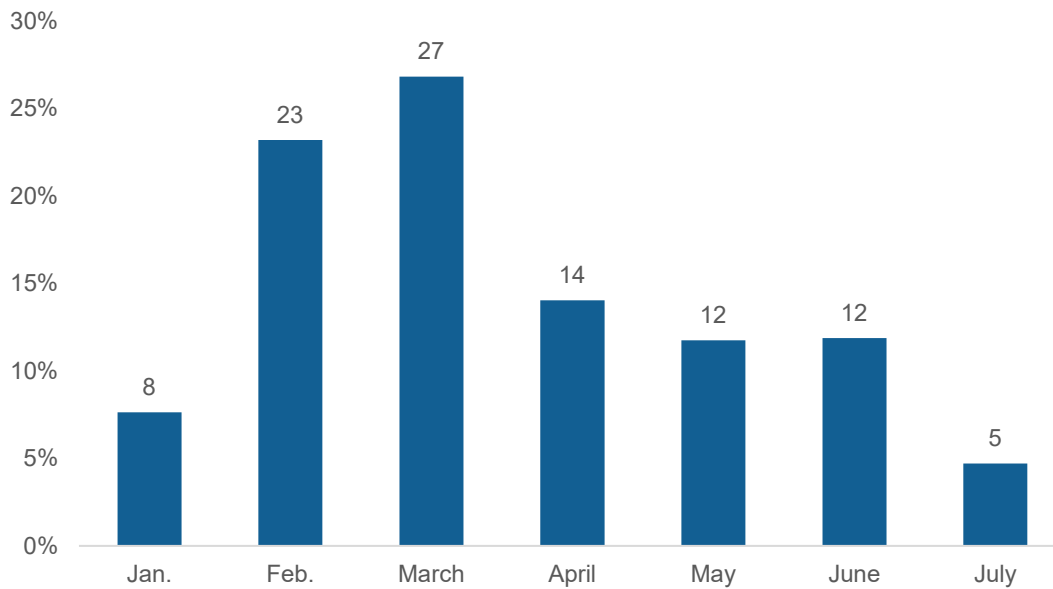
In order to support field interviewer outreach, the NSECE team matched the household sample to a telephone commercial database to identify any telephone numbers associated with the sampled households. This allowed field interviewers to contact households by phone where possible, in addition to their in-person screening and interviewing efforts. While phone matches were relatively reliable in 2012 and helped reduce the number of in-person visits, we found the match rate was significantly lower in 2019.

The NSECE team also supported field interviewer outreach by coordinating special mailings with interviewer's in-person follow-up activities. For instance, we sent a mailing in the spring of 2019 to households that we knew were eligible from their screener responses but had not yet completed the main questionnaire. Interviewers would visit these eligible households within one week of this mailing to attempt to complete the interview or schedule a time to complete the interview at a later date. Similarly, we also coordinated mailings to sampled households in areas where field interviewers were too far away to visit regularly. Before interviewers would travel to these areas, we sent mailings with the household screener SAQ along with a note explaining that someone would be visiting them soon to talk further about the study. We also frequently mailed postcards to households to encourage their participation and occasionally included a

small token gifts as well. And in the last month of data collection we sent a last-chance mailing to eligible households in an effort to complete their surveys before the end of data collection.

At the end of data collection we determined eligibility for 93,875 households and had completed 8,576 number of surveys with eligible households. See **Exhibit 2.3** below for the percentage of completed household surveys by month.

Exhibit 2.3 Percentage of Total Completed Household Surveys by Month



3. Documentation and Data File Conventions

The main public-use data file includes raw questionnaire data as well as a series of derived variables created by the NSECE team to help facilitate analysis. The derived variables may be cleaner, simplified versions of variables containing raw data or they may be more complex, created using multiple variables from the public-use or restricted-use data files.

3.1 TYPES OF VARIABLES: DERIVED AND RAW VARIABLES

The variable-level codebook includes two key types of variables: derived and raw variables. Whenever a section includes both types of variables, derived variables are presented first, and raw variables are presented second.

Derived variables are constructed using two or more variables. They usually create a more comprehensive set of values, are often developed with common research interests in mind, and are more user friendly than raw data variables. Furthermore, derived variable can sometimes have more in-depth reserve codes that highlight skip patterns within the questionnaire or indicate unknown values. An example of a derived variable is HH9_INDIVPROV_Y, which combines responses from HH9_C5A_TYPE and HH9_PTYPE to indicate if a provider listed by a respondent was an individual or a center-based provider.

Raw variables are directly reported from the survey. Although the variable may have been edited to minimize disclosure or some response categories may have been added to incorporate verbatim responses once the other/specify coding was completed, the variable still stems from a single item in the questionnaire. These variables can be used on their own for analysis or can be combined to create derived variables. An example of a raw data variable is HH9_F10_CENTER. This variable is only asked when a respondent indicated in F2 that they searched for child care in the last 2 years and in survey item F6A or F9C that they considered a child-care center or organization for school-age children in their search for care. Values for this variable are based on the response option selected by a respondent directly into the questionnaire.

3.2 OTHER DATA FILE CONVENTIONS

3.2.1 Variable Naming Conventions

The NSECE data files make use of some standard variable naming conventions.

- ▶ Data file identification: The prefix for each variable indicates the data file and year that the variable is from.
 - These prefixes indicate the data files:
 - WF for workforce
 - CB for center-based
 - HB for home-based

- HH for household
- The presence or absence of a 9 identifies the survey year
 - The variable prefix will include a “9” if the variable contains data from the 2019 NSECE
 - The variable prefix will **not** include a “9” if the variable contains data from the 2012 NSECE

These naming conventions are summarized in **Exhibit 3.1** below.

Exhibit 3.1 NSECE Variable Naming Conventions for Data File and Survey Year

VARIABLE NAME PREFIX	DATA FILE	SURVEY YEAR
WF_	Workforce	2012 NSECE
WF9_	Workforce	2019 NSECE
CB_	Center-based	2012 NSECE
CB9_	Center-based	2019 NSECE
HB_	Home-based	2012 NSECE
HB9_	Home-based	2019 NSECE
HH_	Household	2012 NSECE
HH9_	Household	2019 NSECE

- ▶ **Question number:** If the variable contains data reported directly in response to a survey question, then the question number will be embedded in the variable’s name (e.g., HH9_F11_FFN). If the variable is derived from multiple survey questions, then a question number will likely be absent from its name (e.g., HH9_CHAR_NUMCH).
- ▶ **Additional conventions:** Some variables will include additional indicators in their names to signal that the variable has undergone a specified procedure. For example, “TC” will be appended to a variable’s name to indicate the variable was top coded to minimize the risk of disclosure.

3.3.2 Looped Variables

The NSECE surveys sometimes collect data in a loop pattern, and these data follow specific naming conventions to make the correct links across these variables. When data are collected in a loop, the survey first establishes a list of items and then proceeds through a series of questions for each item listed in succession. In the center-based provider questionnaire, for instance, we collect the characteristics of the teachers who work together in a classroom. In this question series, the survey first establishes the list of teachers working in the classroom and then collects information about each staff member, asking all questions first about staff member 1 and then looping back to ask all questions about staff member 2 and so on through the list of staff members.

Naming conventions will help data users to pair data from follow-up questions with the right individual or group. All looped variables contain a numeric loop identifier as part of the name. Let's take the following example: CB9_F4_STAFFNAME_R_X (X = 1-10). The X on the end of this variable indicates that it is part of a loop. The parenthetical information explains the range of values X can take. This number is the loop identifier and allows users to connect other variables in the series with the appropriate individual or group. In this case, this variable collected the names of up to staff members associated with the randomly selected classroom.



CB9_F4_STAFFNAME_R_X (X = 1 TO 10)

Variables affecting eligibility for this item: **CB9_F4_MORE_X**

F4. Please enter first staff name.

Respondents originally provided staff names or initials. For disclosure reasons, this variable has been recoded and contains the loop number (X) in place of name/initials, indicating the iteration in which a staff person was reported.

In this instance, the variable indicates whether the respondent reported a staff member's name. Subsequent variables in the question series with the same loop identifier will contain data associated with that individual. For example, the data in variables CB9_F4_DEGREE_1 and CB9_F4_SALARY_PER_1 provide information on the education level and salary for the first staff member the respondent listed in CB9_F4_STAFFNAME_R_1. Similarly, data associated with the second individual listed in CB9_F4_STAFFNAME_R_2 would be found in variables CB9_F4_DEGREE_2 and CB9_F4_SALARY_PER_2.

CB9_F4_DEGREE_X (X = 1 TO 10)

Variables affecting eligibility for this item: **CB9_F4_MORE_X, SKIP LOGIC BOX 6**

F4g. Does [NAME] have a 2-year college degree, a 4-year college degree, or no college degree?



CB9_F4_SALARY_PER_X (X = 1 TO 10)

Variables affecting eligibility for this item: **CB9_F4_MORE_X, SKIP LOGIC BOX 6**

F4m. How much is [NAME] paid?

Note that the number of loops is generally governed either by the maximum set within the questionnaire or by the maximum value within the data. As a result, many loops are “empty” because respondents may not have had enough responses to populate all loops. For example, a classroom with only two staff would still have ten loops in the data, but the final eight loops would appear as valid skips because there were no third through tenth staff members provided by the respondent to collect data on. Those final eight loops would be coded with a reserve code, or a value with a negative number and a label explaining that they were validly skipped.

3.3.3 Data Flags

Data flags accompany derived variables and provide information about disclosure or specific assumptions used in creating the variable. Some flags identify cases that were suppressed, top coded, or otherwise edited to prevent disclosure. Other flags identify cases that were imputed and what source of information was imputed and other flags pertain to data quality, such as the number of items included in a scale that integrates multiple items.

The example below refers to a data flag that identifies whether any imputation was implemented, what specific elements of the derived variable were imputed, and some of the sources and values used for that imputation. Although this variable is included in the workforce data file, the same logic applies to data flags across different NSECE data files. In this example, respondents reported their wage in various units and this information was combined into a single hourly wage variable. A respondent may have reported wage and indicated this amount was paid to her on a weekly basis, but because she did not report hours worked per week, we cannot calculate hourly wage based only on her responses. Instead of not reporting any information on wage for this respondent, we relied on the reported wage and unit information and imputed hours worked per week using mean hours worked per week reported in the linked CB case for the same job title. In this case, the data quality flag for hourly wage has a value of 3, which indicates that we imputed hours worked per week.

WF9 FLAG B4 IMPUTE

Imputation flag for B4 hourly wage. The flag tracks what imputation methods were used in the process of producing the created variable hourly wage.

1. **Unit imputed for non-missing amount**
2. **Unit changed for outlier amount**
3. **Imputed hours worked per week**
4. **Imputed weeks open per year**
5. **Hours worked per day set to 6**
6. **Imputed amount from same job title in corresponding CB case**

3.3 VARIABLE-LEVEL DOCUMENTATION

In the variable-level codebook, users will find information about many aspects of the questionnaire and its relationship to variables in the data files. Some of the fields that describe raw and derived variables differ slightly, as shown in **Exhibit 3.2** below.

Exhibit 3.2 Raw and Derived Variable-level Entries

Field in variable-level description	Raw variable	Derived variable
Variable name as found in data files	Yes	Yes
Variable label as found in data files	Yes	Yes
Notes, including key information about construction of variable, edits implemented to minimize disclosure risk, additional data sources used, and treatment of missing data	Yes	Yes
Table displaying unweighted frequencies, values, value labels, and unweighted frequencies for categorical variables. Range of values for continuous variables.	Yes	Yes
Original variables used in creation of variable	Yes	Yes
Question text, including text fills and presentation differences across data collection mode	Yes	No
Items affecting eligibility, corresponding to list of questionnaire items or Skip Logic Boxes affecting eligibility	Yes	No

3.3.1 Understanding Codebook Entries

This manual includes a codebook with variable descriptions and variable descriptive statistics in Section 5, Variable-level Documentation for Main Household Public-use Data file. These entries include everything a user needs to know in order to create tabulations with the data.

Exhibit 3.3 below provides a detailed description of each component in the codebook entry for a derived variable. **Exhibit 3.4** includes a sample codebook entry for the same derived variable.

Exhibit 3.5 below provides a detailed description of each component in the codebook entry for a raw variable. **Exhibit 3.6** includes a sample codebook entry for the same raw variable.

Exhibit 3.3 Codebook Entry Feature Descriptions (Derived Variable)

Description	Component #	Codebook Entry Sample
Variable name: Name of variable in the public-use data file.	1	HH9_CARELOC_X_Y (X=1-9 children, Y=1-14 providers)
Variable label: A short - 80 characters or less - descriptor of the variable content. <ul style="list-style-type: none"> The variable label shown here reflects the label used in the data file. Data users may use variable labels, in addition to variable names, to search for specific constructs within the data file. Variable labels often include abbreviations and word truncations in order to meet the 80 character limit of most statistical software programs. "R" in this example is referring to "respondent"; please refer to section 3.3.2.3 for a list of common abbreviations used in variable labels. 	2	Prov type: Whether Provider Y provided care for Child X in the R's home
Original variables used: A list of variables used in the creation of this derived variable. <ul style="list-style-type: none"> The way in which these original variables were used in the construction of the variable is often described in the notes section. Original variables may or may not be included in the public-use data. Original variables that pose a disclosure risk are only available in restricted-use data files. 	3	HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HH9_HHMPROV_Y
Notes: A longer explanation of the variable content, including key information about construction of variable, edits implemented to minimize disclosure risk, additional data sources used, and treatment of missing data	4	Location was determined using questions C4A, C5D, and other information about the provider, such as whether the provider was a HHM or a listed home-based provider.
Codes: This field contains the numerical value associated with each response category. <ul style="list-style-type: none"> We aimed to maintain consistency in codes for variables that are equivalent in the 2012 and 2019 data files. If there are zero observations with a particular code in 2019, the codes might appear out of sequence. For example, a variable may have had values 1 through 4 in 2012. In 2019, the equivalent variable may appear as having values 1, 3, and 4 if value 2 happen to have zero observations associated with it. 	5	Codes -9 -8 -7 -6 -2 -1 0 1

Description	Component #	Codebook Entry Sample
<p>Value Label: A short description of each value the variable takes.</p> <ul style="list-style-type: none"> Like the variable labels, these value labels often include abbreviations or truncations in order to meet the 80 character limit of most statistical software. Please refer to section 3.3.2.3 for a list of common abbreviations used in value labels. As this example shows, all values of categorical variables have value labels, including reserve codes and valid responses. Continuous variables only include value labels for reserve codes. Valid values, such as years of age or number of hours, do not have value labels. 	6	<p>Value Label</p> <p>No Child X, no Provider Y Child X but no Provider Y Provider Y but no Child X Provider Y does not care for Child X Not defined for provider type Don't Know/Refused Care not in R's home Care in R's home</p>
<p>Unweighted Frequency/Statistics: For categorical variables, this field contains the raw count of cases associated with each response category. For continuous variables, we include the unweighted mean as well as different percentiles.</p> <ul style="list-style-type: none"> Users may use these frequencies or statistics as a way to validate the correct selection of a variable and also as a way to assess whether an intended analysis may be supported by the data. Please refer to section 3.3.3 for a detailed explanation of how to interpret frequencies displayed in the codebook. 	7	<p>Unweighted Frequency</p> <p>752,194 192,338 104,648 12,391 9,753 168 5,324 3,760</p>

Exhibit 3.4 Sample Codebook Entry (Derived Variable)

1	→	Variable name: HH9_CARELOC_X_Y (X=1-9 children, Y=1-14 providers)
2	→	Variable label: Prov type: Whether Provider Y provided care for Child X in the R's home
3	→	Original variables used HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HH9_HHMPROV_Y
4	→	Notes: Location was determined using questions C4A, C5D, and other information about the provider, such as whether the provider was a HHM or a listed home-based provider.

5 → Codes	6 → Value Labels	7 → Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X Provider Y	12,391
-2	Not defined for provider type	9,753
-1	Don't Know/Refused	168
0	Care not in R's home	5,324
1	Care in R's home	3,760
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

Exhibit 3.5 Codebook Entry Feature Descriptions (Raw Variable)

Description	Component #	Codebook Entry Sample
Variable name: Name of variable in the public-use data file.	1	HH9_RGENDER
Variable label: A short - 80 characters or less - descriptor of the variable content. <ul style="list-style-type: none"> The variable label shown here reflects the label used in the data file. Data users may use variable labels, in addition to variable names, to search for specific constructs within the data file. Variable labels often include abbreviations and word truncations in order to meet the 80 character limit of most statistical software programs. Please refer to section 3.3.2.3 for a list of common abbreviations used in variable labels. 	2	Respondent's gender
Items affecting eligibility: A list of items that determined eligibility for this variable. <ul style="list-style-type: none"> Eligibility is informed by the skip logic in the questionnaire. In this example, the response option selected for B1a determined who was asked B1c and who was not. As shown in Exhibit 3.3, the field items affecting eligibility is only displayed in variable level entries for raw variables. We recommend that data users review all valid and invalid skips for possible recoding before using a variable in analysis. Skip logic for all survey items are available in the questionnaire. 	3	B1A

Description	Component #	Codebook Entry Sample
<p>Original variables used: A list of the original variables used for construction.</p> <ul style="list-style-type: none"> Original variable(s) listed for raw variables will correspond directly to the survey item they draw from. 	4	HH9_B1C_GENDER_1
<p>Notes: A longer explanation of the variable content, including but not limited to: key information about construction of the variable including original questionnaire items used, edits implemented to minimize disclosure risk, additional data sources used, and treatment of missing data.</p> <ul style="list-style-type: none"> Raw variables display the questionnaire item used in the creation of the variable, including the code numbering as it appears in the written questionnaire document. In this example, these are values 1 through 3. These numbers would not have been visible in the programmed questionnaire. Response option values are likely to differ from values in the data file and, as result, they will often differ from values displayed in the frequencies below. Text that appears in all capital letters, such as "SELECT ONE OR MORE" or "IF RESPONDENT VOLUNTEERED..." indicates interviewer instructions that interviewers do not read aloud to respondents. Any language automated in the questionnaire via programmatic fills will be contained within [] brackets, delimited by a "/" forward slash. Only one phrase would have appeared during questionnaire administration, depending on the respondent's specific responses. 	5	<p>This variable captures respondent's gender and is a direct response to survey item B1c:</p> <p>B1c. (IF FIRST HHM: Are you male or female?)</p> <p>1. Male 2. Female 3. Don't Know/Refused/No Answer</p>
<p>Codes: This field contains the numeric values that appear in the data file.</p> <ul style="list-style-type: none"> As mentioned above, values in the data file may differ from the response option values in the original survey items listed in the notes section. We aimed to maintain consistency in codes for variables that are equivalent in the 2012 and 2019 data files. If there are zero observations with a particular code in 2019, the codes might appear out of sequence. For example, a variable may have had values 1 through 4 in 2012. In 2019, the equivalent variable may appear as having values 1, 3, and 4 if value 2 happen to have zero observations associated with it. 	6	<p>Codes</p> <p>-4 1 2 3</p>

Description	Component #	Codebook Entry Sample
<p>Value Label: A short description of each value the variable takes in the data file.</p> <ul style="list-style-type: none"> Like the variable labels, these value labels often include abbreviations or truncations in order to meet the 80 character limit of most statistical software. Please refer to section 3.3.2.3 for a list of common abbreviations used in value labels. As this example shows, all values of categorical variables have value labels, including reserve codes and valid responses. Continuous variables only include value labels for reserve codes. Valid values, such as years of age or number of hours, do not have value labels. 	7	<p>Value Label</p> <p>Valid Skip</p> <p>Male</p> <p>Female</p> <p>Don't Know/Refused/No Answer</p>
<p>Unweighted Frequency/Statistics: For categorical variables, this field contains the raw count of cases associated with each response category.</p> <ul style="list-style-type: none"> Users may use these frequencies or statistics as a way to validate the correct selection of a variable and also as a way to assess whether an intended analysis may be supported by the data. Please refer to section 3.3.3 for a detailed explanation of how to interpret frequencies displayed in the codebook. 	8	<p>Unweighted Frequency</p> <p>53</p> <p>1,912</p> <p>6,605</p> <p>6</p>

Exhibit 3.6 Sample Codebook Entry (Raw Variable)

1	Variable name:	HH9_RGENDER
2	Variable label:	Respondent's gender
3	Items affecting eligibility	B1A
4	Original variables used	HH9_B1C_GENDER_1
This variable captures respondent's gender and is a direct response to survey item B1c:		
5	Notes:	<p>B1c.</p> <p>(IF FIRST HHM: Are you male or female?)</p> <ol style="list-style-type: none"> Male Female Don't Know/Refused/No Answer

6 → Codes	7 → Value Labels	8 → Unweighted Frequency
-4	Valid Skip	53
1	Male	1,912
2	Female	6,605
3	Don't Know/Refused/No Answer	6
Total		8,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

3.3.2 Additional information for understanding variable entries

3.3.2.1 Other/specify coding

Some survey items asked respondents to provide additional detail when they selected “other” as a response. During post-processing, we coded all these other/specify responses. Where possible, we coded these responses back into the code frame included with the survey item. New categories were developed and appended to the original code frame when needed. New categories developed during the coding process are clearly marked in the variable code frame. The labels “added” identifies these new categories. It is important to note that any category with a label of “added” was not available for respondents during the administration of the interview.

3.3.2.2 Reserve codes

Standard values of variables include response options provided during the interview (e.g. date of last search for non-parental care) or valid values assigned to derived variables (e.g. four categories of the ratio between household income and the federal poverty level). Variables’ values could also include invalid skips, out-of-expected-range values, unexpected/irrelevant answers to the question, responses made by those who should have skipped the survey item, partial/incomplete answers, and so forth. Either in the value labels or the variable notes clearly identify the various reasons why respondents may not have answered a survey item, including instances when they were not asked a specific item because of a valid skip built into the questionnaire, and instances in which the respondent did not answer the survey item.

The category “Don’t Know/Refused/No Answer” combines missing responses (e.g. “No Answer”) with explicit responses of Don’t Know/Refused. The distinction between “No Answer” and “Don’t Know/Refused” is driven by the mode of data collection. Respondents who completed a self-administered mode could choose not to answer any survey item and move to the next item without recording any response. These instances are what you refer to as “Missing” responses and what the reserve code in these variables captures as “No Answer”. By contrast, field interviewers were required to record some response to advance

the survey. If the respondent wished to not answer a given question, the interviewer recorded “Don’t know/Refused” for that specific question.

3.3.2.3 Variable abbreviations

Variable names and labels in the NSECE data files include multiple abbreviations of words and phrases. Because most statistical programs have an 80-character-limit, the NSECE Team used abbreviations to make sure the most important information for each field is displayed and accessible to users. Abbreviations are consistent within a common group of variables but may not necessarily be consistent throughout the data file. For instance, we may spell out “kindergarten” for some labels, but we may abbreviate it as “K” for other labels where characters are at more of a premium. **Exhibit 3.7** below shows the most common variable and value label abbreviations in the household main public-use data file.

Exhibit 3.7 Common Abbreviations in Household Main Public-use Variables and Labels

ABBREVIATION	MEANING	ABBREVIATION	MEANING
acct	Account	meth	Methodological
cal	Calendar	NPC	Non-parental care
char	Characteristics	nstd	Non-standard
comm	Community	PC	Parental care
comp	Composition	pov	poverty
dis	Distance	prov	Provider
DK	Don't know	provs	Providers
ECE	Early care and education	R	Respondent
FFN	Family, friends, and neighbors	REF	Refused
HB	Home-based	ros	Roster
HH	Household	sub	Subsidy
HHM	Household member	std	Standard
hrs	Hours	TC	Top coded
HS	High school	TOC	Type of care
imp	Imputed	tot	Total
inc	Income	wrk	Work
K	Kindergarten	wst	Work, school, or training

3.3.3 Frequencies

The 2019 User’s Guide includes unweighted frequencies for each variable entry in the public-use data file. These frequencies are unweighted and for the most part do not represent a relevant analytic sample. However, these frequencies may allow data users to understand what

data are available and what sample sizes they can expect when they begin working with the data.

The household questionnaire includes numerous “looped” variables collected for multiple units of observation. For example, each household was asked to respond to questions on up to nine children. Then, for each of the children the household reported, the questionnaire asked on up to fourteen providers of non-parental care.

One variable entry covers all instances of these “looped” variables (rather than having one entry for the question about the first child, a second entry for the question about the second child, etc.). Frequency tables of looped variables are presented as a sum of responses across all units of observation in each loop. Therefore, the total count in these frequency tables will differ depending on the unit of observation. For example, variables that iterate over children, such as age of each child under age 13 living in the household, will have frequencies that equal 77,184 (8,576 households * 9 potential children), while variables that iterate over providers of non-parental care will have a total count of 120,064 (8,576 households * 14 potential providers). The table below shows some of the most common units of observation included in the household public-use files.

Exhibit 3.8 Most Common Units of Observation in Household Public-use Data File

Unit	Maximum number of units	Total count in frequency table
Children	9	77,184
HHMs	9	77,184
Providers of non-parental care	14	120,064
Children * Providers	9 * 14	1,080,576
Type of care	8	68,608
Type of care * Children	8 X 9	617,472

As mentioned above, the enumeration of loops represents the potential number of units households reported. For example, variables that refer to children in the household iterate nine times, since nine is the maximum number of children reported living in the households. Since most households will not report data on nine children, many of the later loops (such as for the eighth or ninth child) will not contain information reported from respondents; instead, in these instances the counts in reserve code categories like “No Child X” will be larger.

Frequency tables show unweighted frequencies. It is not possible to display weighted estimates for all different units of observation included in the household public-use data file. The data file includes sampling weights appropriate for the generation of household-level and child-level estimates. Other units of observation in this file do not have corresponding sampling weights, such as providers of non-parental care, unique child-provider combinations, non-resident parents, and types of care. Users will need to specify these variables at the household or child level in order to generate appropriately weighted estimates.

Statistical software use a variety of definitions for sample quantiles. To reproduce the statistics presented here, users may use the “PROC MEANS” command in SAS, or with the “quantile” function in R, setting the “type” argument to 2.

The example below shows the codebook entry for the looped variable HHC9_NPC_USEREGPROVIDER_X. This looped variable identifies whether each child in the household uses a regular provider of non-parental care. The X in the variable name ranges from 1 to 9, representing up to 9 potential children. The frequency table shows there are 8,977 children across all 8,576 households who do not use a regular provider. The frequency of 7,004 indicates the number of children across the households that do use a regular provider. The frequency of 61,203 represents loops that were empty because the household had less than nine children.

HHC9_NPC_USEREGPROVIDER_X (X=1-9 CHILDREN)

Variable label	Whether Child X uses a regular provider	
Original variables used	HHC9_NPC_USETOCP_X	
Notes	This variable indicates if a child uses a regular ECE provider, defined as one assigned to type of care categories 1, 2, 3, 4, or 5.	
Value	Label	Unweighted frequency
-9	Child does not exist	61,203
0	Child does not use a regular provider	8,977
1	Child uses a regular provider	7,004
Total		77,184

*Count represents the sum of responses across the nine loops of children

The frequencies below show how we calculated the counts presented in the user’s guide. For each of the values presented in the table (-9, 0, and 1), the table above simply adds up counts across all nine potential children.

CHILD 1: HHC9_NPC_USEREGPROVIDER_1

Value	Label	Unweighted frequency
0	Household does not have a child that uses a regular provider	4,323
1	Household has a child that uses a regular provider	4,253
Total		8,576

CHILD 2: HHC9_NPC_USEREGPROVIDER_2

Value	Label	Unweighted frequency
-9	No Child X= 2	3,784
0	Household does not have a child that uses a regular provider	2,862
1	Child uses a regular provider	1,930
Total		8,576

CHILD 3: HHC9_NPC_USEREGPROVIDER_3

Value	Label	Unweighted frequency
-9	No Child X= 3	6,776
0	Household does not have a child that uses a regular provider	1,189
1	Household has a child that uses a regular provider	611
Total		8,576

CHILD 4: HHC9_NPC_USEREGPROVIDER_4

Value	Label	Unweighted frequency
-9	No Child X= 4	8,017
0	Household does not have a child that uses a regular provider	415
1	Household has a child that uses a regular provider	144
Total		8,576

CHILD 5: HHC9_NPC_USEREGPROVIDER_5

Value	Label	Unweighted frequency
-9	No Child X= 5	8,403
0	Household does not have a child that uses a regular provider	128
1	Household has a child that uses a regular provider	45
Total		8,576

CHILD 6: HHC9_NPC_USEREGPROVIDER_6

Value	Label	Unweighted frequency
-9	No Child X= 6	8,518
0	Household does not have a child that uses a regular provider	44
1	Household has a child that uses a regular provider	14
Total		8,576

CHILD 7: HHC9_NPC_USEREGPROVIDER_7

Value	Label	Unweighted frequency
-9	No Child X= 7	8,561
0	Household does not have a child that uses a regular provider	11
1	Household has a child that uses a regular provider	4
Total		8,576

CHILD 8: HHC9_NPC_USEREGPROVIDER_8

Value	Label	Unweighted frequency
-9	No Child X= 8	8,570
0	Household does not have a child that uses a regular provider	4
1	Household has a child that uses a regular provider	2
Total		8,576

CHILD 9: HHC9_NPC_USEREGPROVIDER_9

Value	Label	Unweighted frequency
-9	No Child X= 9	8,574
0	Household does not have a child that uses a regular provider	1
1	Household has a child that uses a regular provider	1
Total		8,576

3.4 DISCLOSURE TREATMENT IN PREPARATION OF NSECE DATA FILES

3.4.1 Disclosure Limitation Strategy

The NSECE consists of four related surveys (HH, HB, CB, and WF), each with its own complex sets of disclosure risks. For example, the data file for the center-based survey was particularly vulnerable to re-identification since centers had to be sampled at a relatively high rate from their relatively small population. There is already a large amount of publically available data describing centers, including government registries, licensing databases, and centers' own marketing material and websites, each of which risks harmful linkage with NSECE center-based data. Therefore, the NSECE team has been conservative when creating CB variables and data files to avoid inadvertently re-identifying participating respondents.

Analyses of the sample and of survey data items indicated that the greatest disclosure risk stemmed from unintended geographic linking of the data files. For this reason, the core of the disclosure limitation strategy for the NSECE data files was ensuring that we protected specific geographical respondent information across all file types. Our analyses indicated that if a respondent's geography remained uncertain it would be very difficult for an outside party to re-identify individual observations in and across the data files since geographic specificity could lead to deductive disclosure of participating entities. We implemented all remaining disclosure limitation procedures to ensure we adequately protected the geography of each respondent.

Another aspect of our disclosure limitation strategy was determining the appropriate level of access for each variable, or family of variables. NSECE data files feature 4 levels of access ranging from unrestricted access (i.e. publically available files with a limited number variables and extensive disclosure treatment) to highly restricted access (i.e. archived identifiable and untreated data). In between these two extremes are two levels of restricted-use files with varying degrees of disclosure treatment and linking between data files. We considered the best interests of both the user community and the entities at risk of identification in the data when deciding which variables belonged at each level of access.

3.4.1.1 *What Types of Variable Were Treated for Disclosure?*

In general, we treated two types of variables: 1.) variables that were at a higher risk of being linked to auxiliary information or data from some outside party and 2.) variables that found a relatively small number of cases that were unique or rare in comparison to the rest of the survey population. Examples of these types of variables at the household level would be individual and household demographics as well as detailed employment and family structure data. In the CB, WF, and HB surveys, variables describing ECE centers include staff and child demographic information, enrollment types and counts, curriculum, and funding sources likely were treated for disclosure. Finally, we also treated variables that were considered to be sensitive to the respondent for disclosure. This includes data about wages, income, or other sensitive information.

3.4.1.2 What Variables Didn't Get Treated?

Many variables in the NSECE did not require any disclosure treatment. We did not consider variables that described responses to subjective questions to risk disclosure, and therefore were not treated. We also did not apply disclosure treatment to variables and portions of the data where observations were not rare or unique. As long as there were an adequate number of similar observations for a given dimension, the NSECE team did not apply disclosure treatment.

3.4.2 Summary of Disclosure Limitation Methods

3.4.2.1 Removal of Direct Identifiers

The first steps we took to prevent disclosure was removing all direct identifiers of any sampled household or child care center, or any member of that unit, from the data. This included, but was not limited to, the removal of all names, addresses, telephone numbers, or any other directly identifying variables. We then replaced these removed identifiers with non-identifying numbers to distinguish between members of the same household or center.

3.4.2.2 Top Coding

Top coding was one of our primary methods of disclosure limitation. We generally applied top coding to the top 1 or 2 percentiles of non-zero, non-missing values for many continuous variables. We usually top coded monetary values, such as rates, wages and income if they were larger than the 99th percentile, while we top coded other values such as enrollment counts if they exceeded the 98th percentile. There were some instances where we capped the number of top coded observations to avoid a large number (substantially more than 1 or 2 percent) of observations from being top coded. We coded top coded observations to the median value of all observations selected for top coding.

In most cases we applied top coding unconditionally across the entire data set. There were some instances where the NSECE team applied top coding conditionally using combinations of two or more categorical variables to define a subset of observations prior to top coding. An example of this is WF9_WORK_WAGE, where we used a combination of urban/rural, auspice and education variables to define sub-groups prior to defining the percentiles that guided top coding. We did this to ensure that these conditional variables could not be used to re-identify workforce cases using the value of WF9_WORK_WAGE for a single observation.

3.4.2.3 Suppression of Large Sums

If the sum of several continuous variables exceeded a maximum threshold (such as from the top coding of a summary variable) then we suppressed all component variables contributing to that very large sum. An example of this is the sum of CB9_AGECA_TOTENROLL_TC_[0, 1, 2, 3, 4, 5, SA]. If the sum of these 7 variables exceeded the maximum threshold, then we suppressed all seven values. We used this procedure to prevent the re-identification of observations at the high end of an implied distribution in the data.

3.4.2.4 Suppression of Sparse Data

There are instances in the data where the number of observations with non-missing values for some variables is so small that we suppressed all values to protect those observations from disclosure. In these cases, we excluded the sparsely populated variables from public-use files and only made them available in the restricted-use file. Suppression of sparse data occurred most frequently with home-based providers, where the number of observations for some subsets of providers was fairly small, with some variables very sparsely populated.

3.4.2.5 Percentages in Place of Counts

One method we used to prevent disclosure from large continuous variables, such as enrollments, was to express these variables in a percentage form. For example, we reported the survey item that asks each center to provide the number of children enrolled full time by age group in the CB data file as a percentage of the overall enrollment by age group. This allows users to study the proportion of full time enrollments without directly disclosing the total number of full time children in each age group at every center. We often present the variable that we used as the denominator in the calculation of these percentages in the data, though it may be top coded or suppressed for additional disclosure protection. The inclusion of the denominator variable in the data file allows users to use the percentage variables to estimate the exact count of the unit in the percent, but since the total may be altered, and the percentage may be rounded, this may only represent an estimate of the true count.

3.4.2.6 Recoding and Coarsening

We commonly used **recoding** for high dimensional categorical variables in the data, or any categorical variable where some levels were rare. This allowed more common values to be studied while protecting the rarer responses in the data. A common example is the variable that indicates a respondent's language, where "English", "Spanish", and "English and Spanish" each have their own code in the data file, but we combined all other languages and language combinations into one 'other' category.

Coarsening was the recoding of continuous variables into bins, or groups, to form a categorical variable. The NSECE team did this when the raw, continuous values may result in disclosure, but a range of the variable could still be useful to the data user. This can be seen in the distance variables presented in the HH file. For these variables, we provide ranges of distances because exact distance values presented a significant disclosure risk.

3.4.3 Examples of Data Treated For Disclosure

3.4.3.1 Interview Dates

We suppressed data detailing when interviews occurred and how much time was spent on each section for interviews that occurred at the very beginning or end of the interview period. This was essentially a top and bottom coding of interview data. In order to ensure this information

was protected, we also removed all interview dates from the timestamps that mark the completion of each section for these interviews as well.

3.4.3.2 Community Characteristics Variables

We include several variables that we derived from American Community Survey variables in the data files. Please note we could only provide a limited number of these variables in the public-use data file while still protecting the geographical location of the observations. We chose these variables based on analytic interests expressed by potential users of the files and by the sponsoring agency. The weighted ACS values we included are the result of a complex geographic weighting procedure, and were also coarsened to limit the number of unique combinations of values observed in the data. Community characteristics variables may appear in categorical form in public-use data, with underlying continuous measures of the characteristics available in restricted-use files.

4. Analyzing Household Survey Data

4.1 HOUSEHOLD RESPONDENT

The Household survey respondent was an individual 18 years or older living in the household who was “knowledgeable about the ECE usage and schedule of the youngest child in the household.” The NSECE team selected potential household respondents using an address-based sample of housing units selected from the Delivery Sequence File (DSF) maintained by the U.S. Postal Service. We conducted the household interview with a parent or guardian of a child or children under age 13 in sampled households with at least one member child under age 13. The Household Screener identified eligible respondents based only on the presence of an age-eligible child. The NSECE preferred to conduct the screener with a parent but on occasion might have done so with another guardian (such as a grandmother with custody or a foster parent), or rarely, a non-custodial adult in the household.

The respondent to the main household questionnaire reported all of the data requested in the questionnaire, including detailed demographic and schedule information about each child under the age of 13 in the household, as well as detailed demographic and schedule about each adult in the household who was a parent to one of these children or a regular caregiver (at least 5 hours per week) to one of these children (more on this in the final paragraph of this section). The number of respondents is equal to the number of household interviews completed: 8,576. From these interviews, the NSECE team collected data on 15,981 children under age 13.

We collected all of the child-specific data from a single respondent in each household. The relationship between the respondent and some or all children in the household may be non-parental. For example, imagine a household with two subfamilies: a married couple with a 9 year old daughter and a 17 year old son. The 17 year old might in turn have a girlfriend with whom he has an infant. The infant and the 9 year old would be enumerated among the children under age 13 in the household. The same respondent would report about both children as well as the work-related schedule of the 17-year old, his girlfriend, and the two married adults. In this case, some variables may not be as useful or readily interpreted as they would be in a household with only one nuclear family. An easy way to flag these households is to focus on households containing a number of parents other than 1 or 2. Households with 0 parents indicate a foster or other non-parental situation, while the example household would have 4 parents. Of course, some 1 parent households may have multiple types of relationships among children and adults (for example, a mother with a biological child under age 13 and a foster child also under age 13).

Please note, again, that for many survey items, the respondent reported on demographics or characteristics of other household members (referred to throughout as HHM's, see Exhibit 3.7 for a full list of common abbreviations). For these variables, the respondent is always listed as the first HHM, i.e. HHM1, with the other members of the household they are reporting on listed with the following numbers.

4.2 Sampling Weights and Variance Estimation

4.2.1 Sampling Weights

Due to various aspects of the NSECE sampling design, including a 50-state sample, oversampling of low-income areas, undersampling of households with only school-age children, and overlapping provider clusters, we advise against any interpretation of estimates based on unweighted data. Rather, users should use the sampling weight variables **HH9_METH_WEIGHT** and **HHC9_METH_WEIGHT** to generate representative estimates.

We provide two sampling weights in the Household Survey Main Public-use Data File: **HH9_METH_WEIGHT** for household-level analyses and **HHC9_METH_WEIGHT_X** (X=1-9 children) for child-level analyses.

- ▶ Applying the **HH9_METH_WEIGHT** to the full Household Survey Main Public-use File generates estimates for the 29,331,914 households in the U.S. in 2019 that included one or more children under age 13 as usual residents and where at least one adult spoke either English or Spanish.
- ▶ Applying the child-level **HHC9_METH_WEIGHT_X** generates estimates for the 52,627,854 children under age 13 living in a U.S. household in 2019 where at least one adult spoke either English or Spanish.

The NSECE team sub-sampled households with all children 72 months or older for the Household Survey at a 70 percent rate, while we selected households with children under 72 months for the Household Survey. As a result, households with all children 72 months or older constitute 40 percent of weighted estimates but 32 percent of unweighted cases.

4.2.2 Design-corrected Standard Errors

The NSECE employed a complex, stratified sample design with clustering. Most statistical software packages will compute standard errors assuming simple random sampling unless the analyst takes steps to estimate design-corrected standard errors that will take into account clustering and other aspects of the sample design.

Users can estimate design-corrected standard errors using standard statistical programs by specifying the (first-level) strata variable to be **HH9_METH_VSTRATUM**, and the (second-level) cluster variable to be **HH9_METH_VPSU**. The NSECE team constructed the **VSTRATUM** and

VPSU variables to proxy the NSECE sample design while masking to guard against disclosure risk of respondent identities.

For accurate estimation of standard errors, users should use the entire data file in analysis, rather than using a subset file that includes only cases contributing data directly to the analysis. For example, users should construct an analysis of male respondents on a data file that includes both male and female respondents, but with male respondents selected using the 'subpop' option in STATA after specifying survey design variables with the `svy` command, or using PROC **SURVEYFREQ** in SAS requesting cross tabulations of the gender variable (or PROC **SURVEYMEANS** with the 'domain' statement). Dropping the female respondents from the analysis data file in this example will result in an incorrect estimation of standard errors.

5. Variable-level Documentation for Main Household Public-Use Data File

1. METHODOLOGICAL VARIABLES

The household file includes a series of methodological variables that are important for identifying records, merging variables across files, and properly carrying out variance estimation.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_METH_CASEID	8-digit ID beginning with 1
HH9_METH_VSTRATUMPU	VSTRATUM 1st level variable for variance estimation
HH9_METH_VPSUPU	VPSU 2nd level variable for variance estimation
HH9_METH_WEIGHT	Sampling weight for household
HHC9_METH_WEIGHT_X (X=1-9 CHILDREN)	Sampling weight for Child X
HH9_REGION	Region
HH9_METH_FILEVERSION	Date when the data was last updated
HH9_QUEXLANG	Questionnaire language
HH9_MODE	Mode of completion of HH questionnaire
HH9_COMPLETE_DATE	Main interview completion date
HH9_SUMMERQUEX	Indicator for whether the respondent was administered the summer questionnaire
HH9_ADM_CONSENT_X	R gave consent for Child X's administrative data to be released

HH9_METH_CASEID

Variable label	8-digit ID beginning with 1
Notes	HH9_METH_CASEID may be used to merge any variable in the QT file or Restricted-Use data file to the Public-Use data file.

Range of observed responses: 13000034-13199998

HH9_METH_VSTRATUMPU

Variable label	VSTRATUM 1st level variable for variance estimation
Notes	This variable can be used as a proxy for first level sample selection to correct standard errors for clustering in the sample design. The accompanying variable for second-level selection is HH9_METH_VPSUPU.
For additional information on proper variance estimation, please refer to section 4.2.	

Range of observed responses: 1 - 30

HH9_METH_VPSUPU

Variable label	VPSU 2nd level variable for variance estimation
Notes	This variable can be used as a proxy for second-level sample selection to correct standard errors for clustering in the sample design. The accompanying variable for first-level selection is HH9_METH_VSTRATUMPU.
For additional information on proper variance estimation, please refer to section 4.2.	

Range of observed responses: 101 - 3014

HH9_METH_WEIGHT

Variable label	Sampling weight for household
Notes	<p>The sampling weight is used in conjunction with HH9_METH_VPSUPU and HH9_METH_VSTRATUMPU to create point and variance estimates that describe eligible households in the U.S. This weight, HH9_METH_WEIGHT, sums to the total number of households with children under age 13 in the U.S. in 2019. It can be used in conjunction with HH9_METH_VPSUPU and HH9_METH_VSTRATUMPU to create estimates that describe eligible households.</p> <p>For additional information on proper variance estimation, please refer to section 4.2.</p>

Range of observed responses: 0.00-33,183.97

HHC9_METH_WEIGHT_X (X=1-9 CHILDREN)

Variable label	Sampling weight for Child X
Notes	<p>The sampling weight is used in conjunction with HH9_METH_VPSUPU and HH9_METH_VSTRATUMPU to create point and variance estimates that describe eligible children in the U.S. This weight, HHC9_METH_WEIGHT_X, sums to the total number of children under age 13 in the U.S. in 2019. It can be used in conjunction with HH9_METH_VPSUPU and HH9_METH_VSTRATUMPU to create estimates that describe eligible children birth to under age 13.</p> <p>For additional information on proper variance estimation, please refer to section 4.2.</p>

Range of observed responses: 0.00-33,183.97

HH9_REGION

Variable label	Region
Notes	<p>This variable is based on the four statistical regions designated by the U.S. Census Bureau. The allocation of households to one of these four regions was based on the state where the household was selected from. Household cases are assigned to one of the following categories:</p> <ul style="list-style-type: none">• Northeast• Midwest• South• West

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Northeast	1,184
2	Midwest	1,486
3	South	3,202
4	West	2,704
Total		8,576

*Count represents the number of households in each category

HH9_METH_FILEVERSION

Variable label	Date when the data was last updated
Notes	This variable has a single value representing the date when the main household public-use data file was last updated. The date is recorded in the following format: mm/dd/yy.

Range of observed responses: 02/23/22 – 02/23/22

HH9_QUEXLANG

Variable label	Questionnaire language
Notes	Language in which interview was completed

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	English	7,645
2	Spanish	931
Total		8,576

*Count represents the number of households in each category

HH9_MODE

Variable label	Mode of completion of HH questionnaire
Notes	The mode in which the interview was completed by the respondent. This variable has a single value representing the mode in which the interview was completed by the respondent. All respondents to the HH survey completed the survey by Computer-Assisted Personal Interviews (CAPI).

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
2	Field interviewer complete: in-person/phone	8,576
Total		8,576

*Count represents the number of households in each category

HH9_COMPLETE_DATE

Variable label	Main interview completion date
Original variables used	HH9_FINISHTIME
Notes	The date when the household interview was completed is recorded in the following format: mm/dd/yyyy.

Range of observed responses: 01/08/2019 – 07/28/2019

HH9_SUMMERQUEX

Variable label	Indicator for whether the respondent was administered the summer questionnaire
Original variables used	HH9_DC_METADATAVERSIONNUMBER
Notes	<p>Due to data collection being extended well into the summer, survey language updates were necessary to ensure consistency across all cases. Primarily, the questionnaire was revised to facilitate the analysis of data collection during the spring/early summer with data collected after that time period—during which traditional school and provider schedules change dramatically.</p> <p>The most notable change was the shift from the collection of a household’s child-care details “during the last week” to “a typical week in May”. The household questionnaire displays edits to the wording of items and skip patterns involved in the summer questionnaire.</p> <p>All variables in this data file combine information that respondents reported in the regular and the summer questionnaire.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Respondent was administered regular questionnaire	8,089
1	Respondent was administered summer questionnaire	487
Total		8,576

*Count represents the number of households in each category

HH9_ADM_CONSENT_X (X=1-9 CHILDREN)

Variable label	R gave consent for Child X's administrative data to be released
Original variables used	HH9_H1_ELIG, HH9_H3_M, HH9_H5_X (X=1-9)
Notes	<p>This variable captures whether the respondent provided consent to release administrative data for each eligible child in the household. The respondent was first asked if they were in a position to authorize the release of state government records for the children in the household (H1). If so, the respondent's consent was requested for each eligible child in the household (H5_X). If consent was not given for one or more eligible children in the household, a conversion attempt was then made at the household level (H3). For the purpose of this variable, consent was coded as given if the respondent gave consent at either the child (H5_X) or the household level (H3).</p> <p>Note that in a subsequent question (H6) the respondent was asked to provide the full name and date of birth of each child for whom consent was given, to facilitate the administrative records search for that child. Some respondents did not provide some or all of the requested information. For the purpose of this variable, only items H1, H5_X, and H3 were used to construct the variable.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No child in loop	61,203
-2	Invalid skip	15
-1	Valid skip	949
1	Yes	11,036
2	No	3,981
Total		77,184

*Count represents the sum of responses across the nine loops of children.

2. CHILD'S DEMOGRAPHIC CHARACTERISTICS

Variables in this section describe children's demographic characteristics, including age, gender, country of birth, race and ethnicity, and presence of physical, emotional, developmental, or behavioral conditions. Please note that these measures were captured for each child in the household.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_A1_CHILD_GIVEN_X (X=1-9 CHILDREN)	Whether Child X was given a unique identifier
HH9_B1A_NAME_GIVEN_X (X=1-9 HHM)	Whether HHM X was given a unique identifier
HHC9_GENDER_X (X=1-9 CHILDREN)	Child X's gender
HHC9_AGE_X (X=1-9 CHILDREN)	Child X's age in months
HH9_C0TO12_X (X=1-9 CHILDREN)	Child X's age is between 0 and < 12 months old
HH9_C0TO36_X (X=1-9 CHILDREN)	Child X's age is between 0 and < 36 months old
HH9_C0TO60_X (X=1-9 CHILDREN)	Child X's age is between 0 and < 60 months old
HH9_C36TO60_X (X=1-9 CHILDREN)	Child X's age is between 36 and < 60 months old
HHC9_COUNTRY_BORN_X (X=1-9 CHILDREN)	Child X's country of birth
HHC9_RACE_X (X=1-9 CHILDREN)	Child X's race and Hispanic origin
HHC9_CONDITION_X (X=1-9 CHILDREN)	Child X has a physical/behavioral condition

HH9_A1_CHILD_GIVEN_R_X (X=1-9 CHILDREN)

Variable label	Whether Child X was given a unique identifier
Original variables used	HH9_A1_CHILD_X (X=1-9)
Notes	This set of variables identifies if child has unique identifier or not.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
1	Unique identifier provided for Child X	15,977
2	Unique identifier not provided for Child X	4
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_B1A_NAME_GIVEN_R_X (X=1-9 HHM)

Variable label	Whether HHM X was given a unique identifier
Original variables used	HH9_B1A_NAME_X (X=1-9)
Notes	This set of variables identifies if HHM has unique identifier or not.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Xth HHM	56,513
1	Unique identifier provided for HHM X in HH roster	20,328
2	Unique identifier not provided for HHM X in HH roster	343
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HHC9_GENDER_X (X=1-9 CHILDREN)

Variable label	Child X's gender
Original variables used	HH9_A1_CHILDX (X=1-9), HH9_A1B_GENDER_X (X=1-90)
Notes	This set of variables indicates whether Child (X) is a boy or a girl and is a direct response to survey item A1b: A1b. (IF NEEDED: Is [CHILD NAME] a boy or a girl?) Boy 1. Girl 2. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
-1	Don't Know/Refused/No Answer	60
1	Boy	8,144
2	Girl	7,777
Total		77,184

*Count represents the sum of responses across the nine loops of children

HHC9_AGE_X (X=1-9 CHILDREN)

Variable label Child X's age in months

Original variables used	HH9_A1C_BMO_X (X=1-9), HH9_A1C_BYR_X (X=1-9)
Notes	Age of child at time of responding to Section A of questionnaire. Age is based on difference between reported birth month (HH9_A1C_BMO_X) and year (HH9_A1C_BYR_X), and HH9_ETIME, which records the day when the household survey was completed.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	75.81
10th	16.00
25th	37.00
75th	115.00
90th	140.00
Min	0.00
Max	162.00
-2 (No Child X): Frequency	61,203

HH9_C0TO12_X (X=1-9 CHILDREN)

Variable label	Child X between 0 and < 12 months old
Original variables used	HH9_A1C_BMO_X (X=1-9), HH9_A1C_BYR_X (X=1-9), HHC9_AGE_X (X=1-9)
Notes	This set of variables is a binary indicator that identifies whether the child's age is greater than or equal to 0, and strictly less than 12 months.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	No	14,869
1	Yes	1,112
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_C0TO36_X (X=1-9 CHILDREN)

Variable label	Child X between 0 and < 36 months old
Original variables used	HH9_A1C_BMO_X (X=1-9), HH9_A1C_BYR_X (X=1-9), HHC9_AGE_X (X=1-9)
Notes	This set of variables is a binary indicator that identifies whether the child's age is greater than or equal to 0, and strictly less than the 36 months.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	No	12,251
1	Yes	3,730
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_C0TO60_X (X=1-9 CHILDREN)

Variable label	Child X between 0 and < 60 months old
Original variables used	HH9_A1C_BMO_X (X=1-9), HH9_A1C_BYR_X (X=1-9), HHC9_AGE_X (X=1-9)
Notes	This set of variables is a binary indicator that identifies whether the child's age is greater than or equal to 0, and strictly less than the 60 months.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	No	9,458
1	Yes	6,523
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_C36TO60_X (X=1-9 CHILDREN)

Variable label	Child X between 36 and < 60 months old
Original variables used	HH9_A1C_BMO_X (X=1-9), HH9_A1C_BYR_X (X=1-9), HHC9_AGE_X (X=1-9)
Notes	This set of variables is a binary indicator that identifies whether the child's age is greater than or equal to 36, and strictly less than the 60 months.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	No	13,188
1	Yes	2,793
Total		77,184

*Count represents the sum of responses across the nine loops of children

HHC9_COUNTRY_BORN_X (X=1-9 CHILDREN)

Variable label	Child X's country of birth
Original variables used	HH9_A1_CHILDX (X=1-9), HH9_A1C1_US_X (X=1-9), HH9_A1C1_CNTRY_X (X=1-9)
Notes	<p>The variable indicates what country Child (X) was born in and is a direct response to survey item A1c1:</p> <p>A1c1. In what country was [CHILD NAME] born?</p> <ol style="list-style-type: none">1. United States2. Not in U.S.3. Don't know/Refused <p>In order to minimize the risk of disclosure, this set of variables only identifies whether the child was born in the U.S. or in another country.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
-1	Don't Know/Refused/No Answer	45
1	U.S.	15,404
2	Not in the U.S.	532
Total		77,184

*Count represents the sum of responses across the nine loops of children

HHC9_RACE_X (X=1-9 CHILDREN)

Variable label	Child X's race and hispanic origin
Original variables used	HH9_A2D_ETHNIC_X_R (X=Children, 1-9), HH9_A2E_RACE_1_X_R (X=Children, 1-9), HH9_A2E_RACE_2_X_R (X=Children, 1-9), HH9_A2E_RACE_3_X_R (X=Children, 1-9), HH9_A2E_RACE_4_X_R (X=Children, 1-9), HH9_A2E_RACE_5_X_R (X=Children, 1-9), HH9_A2E_RACE_6_X_R (X=Children, 1-9)
Notes	This set of variables describes the race and ethnicity (Hispanic origin) of each child in the household, by combining information in:

- HH9_A2d_ETHNIC_X_R (X=1-9)
- HH9_A2e_RACE_1_X_R (X=1-9)
- HH9_A2e_RACE_2_X_R (X=1-9)
- HH9_A2e_RACE_3_X_R (X=1-9)
- HH9_A2e_RACE_4_X_R (X=1-9)
- HH9_A2e_RACE_5_X_R (X=1-9)
- HH9_A2e_RACE_6_X_R (X=1-9)

HH9_A2d_ETHNIC_X_R describes if Child X (X=1-9) is of Hispanic or Latino origin or not and each A2E item describes whether Child X (X=1-9) identifies as a certain race (details on specific races below).

The respondent can select multiple races for each child. The variable HHC9_RACESUM_X (X=1-9) was created in order to see if a Child X (X=1-9) identified with two or more races (value 7).

- If HH9_A2d_ETHNIC_X_R (X=1-9), was coded as not identifying as Hispanic/Latino then this set of variables simply reports the race selected for Child X (X=1-9). For example, if HH9_A2d_ETHNIC_2_R=0 and only HH9_A2e_RACE_4_2_R=1 then the child would be coded as Non-Hispanic/Latino Asian.
- If HH9_A2d_ETHNIC_X_R=0 (X=1-9) and more than one A2E variable was selected the child would be coded as "Two or more Non-Hispanic or Latino races".
- If "yes" was selected for HH9_A2d_ETHNIC_X_R (X=1-9) then the child was coded as "Hispanic or Latino" origin, regardless of how many races or if no races were selected for that specific child.

Those coded as "Missing" for this set of variables did not have any information for ethnicity even if we have information for race (either coded as DK/REF or missing). Those coded as "Not-Applicable/No Child X" for this set of variables were coded if ethnicity information and race information was not known, ethnicity is coded as (Non-Hispanic/Latino origin) but no race was reported, or if there was Child X in household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Either no Child X or Don't Know/Refused/No Answer	61,331
1	Single race: Non-Hispanic or Latino, White	6,003
2	Single race: Non-Hispanic or Latino, Black or African American	2,471
3	Single race: Non-Hispanic or Latino, Asian	495
4	Single race: Non-Hispanic or Latino, Native Hawaiian and Other Pacific Islander	123
5	Single race: Non-Hispanic or Latino, American Indian or Alaska Native	191
6	Single race: Non-Hispanic or Latino, some other race	60
7	Two or more Non-Hispanic or Latino races	725
8	Hispanic or Latino origin (any race or race not reported)	5,758
9	Missing (if Hispanic or Latino origin is not known)	27
Total		77,184

*Count represents the sum of responses across the nine loops of children

HHC9_CONDITION_X (X=1-9 CHILDREN)

Variable label	Child X has a physical/behavioral condition
Original variables used	HH9_A1_CHILDX (X=1-9), HH9_A2H_CONDITION_X (1-9)
Notes	<p>HHC9_CONDITION_X is a direct response to survey item A2h:</p> <p>A2h.</p> <p>Does [CHILD NAME] have a physical, emotional, developmental, or behavioral condition that affects the way you provide care for [him/her]?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>HHC9_CONDITION_X indicates if Child (X) has a physical, emotional, developmental, or behavioral condition that affects the way care is provided for him/her.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
-1	Don't Know/Refused/No Answer	69
1	Yes	1,454
2	No	14,458
Total		77,184

*Count represents the sum of responses across the nine loops of children

3. HOUSEHOLD COMPOSITION

This household composition section provides information on the number of individuals under age 18 who live in the respondent's household by age group. This section also includes variables that indicate the relationship between the children and adults in the household, including parental status.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_HHCOMP_MEMBERS	Number of household members
HH9_CHAR_NUMCH	Number of children under 13 living in R's household
HH9_HHCOMP_NUMPARENTS	Number of parents of any child in the HH
HH9_RELATED	Number of individuals in HH related to R
HH9_HHCOMP_RELATIONS_NONREL	Indicator whether HH reports any unrelated adults, regardless of parental status
HH9_HHCOMP_NUMMOTHER	Number of mothers to any child in HH
HH9_HHCOMP_NUMFATHER	Number of fathers to any child in HH
HH9_HHCOMP_NUMCH_X (X = 0THRU5YRS, 5THRU8YRS, 9THRU12YRS, 13THRU17YRS)	Number of children that live in HH in the following age categories: 0 to 5 years old, 5 to 8 years old, 9 to 12 years old, 13 to 17 years old
HH9_HHCOMP_ANY_CHILD_X (X = 0THRU5YRS, LT12MOS, 1YR, 2YR, 3YR, 4YR, 5YR)	HH has any children in the following age categories: 0 to 5 years old, younger than 12 months old, 1 year old, 2 years old, 3 years old, 4 years old, 5 years old
HH9_HHCOMP_ANYOTHERADULT	Whether there is any other adult in HH (HHM not parent/partner to R who has child)
HH9_OADULT_X (X=1-12 HHM)	HHM X is other adult in HH: neither parent to R with child nor partner of R with child
HH9_RPARENT	Respondent is a biological or adoptive or step-parent to >= 1 child in the HH
HH9_RPARTNER_X (X=1-12 HHM)	Whether HHM X is partner of R and doesn't have child of their own
HH9_PARENT_STRUCTURE	Parent arrangement in household
HH9_HHM_AGE_X (X=1-9 HHM)	Age of HHM X
HH9_PARCH_X_Y (X=1-9 CHILDREN, Y=1-9 HHM)	Flag indicating HHM Y is a parent of Child X
HH9_PRGCH_X_Y (X=1-9 CHILDREN, Y=1-9 HHM)	Indicates parental/guardian relationship between HHM Y and Child X
HH9_HHCOMP_RELATIONS_GPARENT	HH has one or more grandparents of any child

HH9_HHCOMP_MEMBERS

Variable label	Number of HHMs
Original variables used	HH9_B1A1_NUMHH, HH9_S1
Notes	This variable counts all individuals living in the household, regardless of their age and relationship. Variable characterizes the household and does <u>not</u> represent the number of HHMs specifically related to each child.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	4.28
10th	3.00
25th	3.00
75th	5.00
90th	6.00
Min	2.00
Max	15.00
-1 (Don't Know/Refused/No Answer): Frequency	18

HH9_CHAR_NUMCH

Variable label	Number of children under age 13 living in R's household
Original variables used	HH9_S1
Notes	<p>This variable indicates the number of children under age 13 living in the household.</p> <p>HH9_CHAR_NUMCH is the sum of S1_Check and S1_SA, found in the questionnaire as HH9_S1.</p> <p>S1_Check: How many children under 6 years old live in your household?</p> <p>S1_SA: How many children 6-13 years old live in your household?</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.86
10th	1.00
25th	1.00
75th	2.00
90th	3.00
Min	1.00
Max	9.00

HH9_HHCOMP_NUMPARENTS

Variable label	Number of parents of any child in the HH
Original variables used	HH9_A2F_RLTNSHP_X (1-9), HH9_MHAVECHILD_X (1-12)
Notes	<p>This variable is a characteristic of the household.</p> <p>This variable does <i>not</i> represent the number of each child's parents who live in same household. For instance, in a multi-family household in which there are two adult sisters, each living with a single child, the number of parents will be two even though each child only lives with one parent. Counts of parents of any child in the household may exceed two.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.56
10th	1.00
25th	1.00
75th	2.00
90th	2.00
Min	0.00
Max	6.00
-1 (Don't Know/Refused/No answer): Frequency	3

HH9_RELATED

Variable label	Number of individuals in HH related to R
Original variables used	HH9_A2F_RLTNSHP_X (X=1-9), HH9_B1D_RLTION_X (X=1-9)
Notes	<p>This variable indicates the number of individuals in the household that are related to Respondent, including the Respondent. HHMs are considered related if they are related to any children under age 13 in the household and/or if they are a spouse (legally married), parent or parent-in-law, child or child-in-law, sibling or sibling-in-law, or other relative to the Respondent.</p> <p>HHMs are considered not related if they are not related to any children under age 13 in the household as well as if they are a partner (not legally married), friend/roommate, have a rental relationship, live-in nanny, other household staff, relative of partner, boyfriend/girlfriend, partner of related HHM or ex-wife/ex-husband/ex-partner to the respondent.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	4.05
10th	2.00
25th	3.00
75th	5.00
90th	6.00
Min	1.00
Max	14.00

HH9_HHCOMP_RELATIONS_NONREL

Variable label	HH reports any unrelated adults
Items affecting eligibility	A2f, B1d
Original variables used	HH9_A2F_RLTNSHP_X (X=1-9), HH9_B1D_RLTION_X (X=1-9)
Notes	<p>This variable captures if a household has any unrelated adults.</p> <ul style="list-style-type: none">• If the household did have one or more unrelated adults then this variables was coded 1.• If the household did not have one or more unrelated adults then this variable was coded 0. <p>A HHM is considered not related if they are not related to any children under 13 in the household as well as if they are a partner (not legally married), friend/roommate, have a rental relationship, live-in nanny, other household staff, relative of partner, boyfriend/girlfriend, partner of related household member or ex-wife/ex-husband/ex-partner to the respondent.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,300
1	Yes	1,276
Total		8,576

HH9_HHCOMP_NUMMOTHER

Variable label	Number of mothers to any child in HH
Original variables used	HH9_B1C_GENDER_X (X=1-9), HH9_B1D_RLTION_X_R (X=1-9), HH9_A2F_RLTNSHP_X (X=1-9), HH9_B1E_HAVECHILD_X (X=1-9)
Notes	The variable indicates the number of individuals in the household who are a mother to at least one child in the household.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.92
10th	0.00
25th	1.00
75th	1.00
90th	1.00
Min	0.00
Max	3.00

HH9_HHCOMP_NUMFATHER

Variable label	Number of fathers to any child in HH
Original variables used	HH9_FATHER_X (X=1-12)
Notes	The variable indicates the number of individuals in the household who are a father to at least one child in the household.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.63
10th	0.00
25th	0.00
75th	1.00
90th	1.00
Min	0.00
Max	3.00

HH9_HHCOMP_NUMCH_0THRU5YRS

Variable label	Number of children ages 0 through 5 in HH
Original variables used	HH9_A1C_BMO_X (X=1-10 children), HH9_A1C_BYR_X (X=1-10 children), HH9_AGE_CALC_X (X=1-10 children), HH9_AGE_MONTHS_X (X=1-10 children), HH9_ETIME
Notes	<p>Item A1c asks about the age of each child in the household. This variable is computed at the household level, adding up the number of children in the household whose age was 0 through 71 months at time of the interview.</p> <p>To minimize disclosure, households with four or more children in this age range were collapsed into the category "Four or more".</p> <p>Children who are 5 years old (60 through 71 months) are counted in this variable and also in variable HH9_HHCOMP_NUMCH_5THRU8YRS. Variables HHC9_AGE_X (X=1-9 children) record the age of each child in the household. Users may use these variables to generate other counts of children, using alternative age ranges.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.92
10th	0.00
25th	0.00
75th	1.00
90th	2.00
Min	0.00
Max	4.00

HH9_HHCOMP_NUMCH_5THRU8YRS

Variable label	Number of children ages 5 through 8 in HH
Original variables used	HH9_A1C_BMO_X (X=1-10 children), HH9_A1C_BYR_X (X=1-10 children), HH9_AGE_CALC_X (X=1-10 children), HH9_AGE_MONTHS_X (X=1-10 children), HH9_ETIME
Notes	<p>Item A1c asks about the age of each child in the household. This variable is computed at the household level, adding up the number of children in the household whose age was 60 through 107 months at time of the interview.</p> <p>To minimize disclosure, households with four or more children in this age range were collapsed into the category "Four or more".</p> <p>Children who are 5 years old (60 through 71 months) are counted in this variable and also in variable HH9_HHCOMP_NUMCH_0THRU5YRS. Variables HHC9_AGE_X (X=1-9 children) record the age of each child in the household. Users may use these variables to generate other counts of children, using alternative age ranges.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.56
10th	0.00
25th	0.00
75th	1.00
90th	1.00
Min	0.00
Max	4.00

HH9_HHCOMP_NUMCH_9THRU12YRS

Variable label	Number of children ages 9 through 12 in HH
Original variables used	HH9_A1C_BMO_X (X=1-10 children), HH9_A1C_BYR_X (X=1-10 children), HH9_AGE_CALC_X (X=1-10 children), HH9_AGE_MONTHS_X (X=1-10 children), HH9_ETIME
Notes	Item A1c asks about the age of each child in the household. This variable is computed at the household level, adding up the number of children in the household whose age was 108 through 155 months at time of the interview. To minimize disclosure, households with four or more children in this age range were collapsed into the category "Four or more".

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.52
10th	0.00
25th	0.00
75th	1.00
90th	1.00
Min	0.00
Max	4.00

HH9_HHCOMP_NUMCH_13THRU17YRS

Variable label	Number of children ages 13 through 17 in HH
Original variables used	HH9_A1C_BMO_X (X=1-10 children), HH9_A1C_BYR_X (X=1-10 children), HH9_AGE_CALC_X (X=1-10 children), HH9_AGE_MONTHS_X (X=1-10 children), HH9_ATIME
Notes	Item A1c asks about the age of each child in the household. This variable is computed at the household level, adding up the number of children in the household whose age was 156 through 215 months at time of the interview. To minimize disclosure, households with four or more children in this age range were collapsed into the category "Four or more".

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.25
10th	0.00
25th	0.00
75th	0.00
90th	1.00
Min	0.00
Max	4.00

HH9_HHCOMP_ANY_CHILD_0THRU5YRS

Variable label	HH has any children ages 0 through 5
Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE0THRU5_X (X=1-9)
Notes	This variable indicates if the household had any children ages 0 through 5 at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	2,901
1	Yes	5,675
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_LT12MOS

Variable label	HH has any children <12 months old
Original variables used	HHC9_AGE_X (X=1-9), HHC9_CHILD_LT12MOS_X (X=1-9)
Notes	This variable indicates if the household had any children that were less than 12 months old at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,484
1	Yes	1,092
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_1YR

Variable label	HH has any children 1 year old
Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE1YR_X (X=1-9)
Notes	This variable indicates if the household had any children that were at least 1 year old and younger than 2 years old at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,288
1	Yes	1,288
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_2YR

Variable label	HH has any children 2 year old
Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE2YR_X (X=1-9)
Notes	This variable indicates if the household had any children that were at least 2 years old and younger than 3 years old at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,336
1	Yes	1,240
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_3YR

Variable label	HH has any children 3 year old
Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE3YR_X (X=1-9)
Notes	This variable indicates if the household had any children that were at least 3 years old and younger than 4 years old at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,194
1	Yes	1,382
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_4YR

Variable label	HH has any children 4 year old
Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE4YR_X (X=1-9)
Notes	This variable indicates if the household had any children that were at least 4 years old and younger than 5 years old at the time of the interview's completion.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,239
1	Yes	1,337
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANY_CHILD_5YR

Variable label HH has any children 5 year old

Original variables used	HHC9_AGE_X (X=1-9), HH9_CAGE5YR_X (X=1-9)
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Notes	This variable indicates if the household had any children that were at least 5 years old and younger than 6 years old at the time of the interview's completion.
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Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	7,266
1	Yes	1,310
Total		8,576

*Count represents the number of households in each category

HH9_HHCOMP_ANYOTHERADULT

Variable label	Whether there is any other adult in HH (HHM not parent/partner to R who has child)
Original variables used	HH9_OADULT_X (X=1-12)
Notes	This variable is a flag that indicates where there is at least one HHM in the household that has been classified as an “other adult”. An “other adult” is defined as a HHM that does not have a child 0-13 years old in the household and is not a partner to a Respondent that has a child 0-13 years old in the household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Household has no “other adults”	5,770
1	Household has at least one “other adult”	2,806
Total		8,576

*Count represents the number of households in each category

HH9_OADULT_X (X=1-12 HHM)

Variable label HHM X is other adult in HH: neither parent to R w/chld nor partner of R w/chld

Original variables used	HH9_RPARENT, HH9_MHAVECHILD_X (X=1-12), HH9_B1D_RLTION_X_R (X=1-12), HH9_RPARTNER_X (X=1-12), HH9_B1A_NAME_X (X=1-12)
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Notes	This set of variables indicates whether the HHM is an “other adult”. An “other adult” is defined as a HHM that does not have a child 0-13 years old in the household and is not a partner to a Respondent that has a child 0-13 years old in the household.
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Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No HHM X	56,513
-2	HHM relationship to R unknown	85
-1	R parental status unknown	3
0	No	7,313
1	Yes	4,694
.	Missing	8,576
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_RPARENT

Variable label Respondent is a bio/adoptive or step-parent to >= 1 child in HH

Original variables used HH9_A2F_RLTNSHP_X (X=1-10)

Notes This variable indicates if the respondent is a bio/adoptive or step-parent to at least 1 or more children under the age of 13 in the household. The item does not differentiate between biological and adoptive parents but does have a separate category to indicate if the parent is a foster parent.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	4
0	No	625
1	Yes	7,947
Total		8,576

*Count represents the number of households in each category

HH9_RPARTNER_X (X=1-12 HHM)

Variable label	Whether HHM X is partner of R and doesn't have child of their own
Original variables used	HH9_RPARENT, HH9_MHAVECHILD_X (X=1-12), HH9_B1D_RLTION_X_R (X=1-12)
Notes	This set of variables indicates whether the HHM is a partner of the respondent, but does not have a child of their own in the household (noted in item B1e).
Missing values correspond to variables in this loop that had no Child X in that household.	

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No HHM X	56,513
-1	Parental status not known	975
0	No	9,978
1	Yes	1,142
.	Missing	8,576
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_PARENT_STRUCTURE

Variable label	Parent arrangement in household
Original variables used	HH9_A2F_RLTNSHP_X (X=1-9), HH9_B1D_RLTION_X_R (X=1-12), HH9_B1E_HAVECHILD_X (X=1-12)
Notes	<p>This variable describes the type of parental arrangements in the household.</p> <ul style="list-style-type: none"> • If the household had one or two parents it was coded as 1 or 2, respectively. • If the household only had grandparents in the household and no parents, then the variable was coded as 3. • If the household had another arrangement (e.g. more than two parents for children in the household or another type of guardian for the children in the household), then the variable was coded as 4.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	One parent in household	3,345
2	Two parents in household	4,782
3	Only grandparents in the household	199
4	Other (mult parents, another fam mem taking care of chldrn in HH, unknown , etc)	250
Total		8,576

*Count represents the number of households in each category

HH9_HHM_AGE_X (X=1-9 HHM)

Variable Label	Age of HHM X
Items affecting eligibility	B1A
Original variables used	HH9_B1B_AGE_X (X=1-15 HHM)
Notes	<p>This set of variables captures the age of HHMs and is a direct response to survey item B1b:</p> <p>B1b. (IF FIRST HHM: How old are you?) (IF SECOND OR HIGHER HHM: How old is [HHM NAME]?) (IF NEEDED: Your best guess is fine.)</p> <p>AGE: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	34.73
10th	17.00
25th	26.00
75th	42.00
90th	51.00
Min	1.00
Max	80.00
-9 (No HHM X): Frequency	56,513
-2 (Valid Skip): Frequency	342
-1 (Don't Know/Refused/No Answer): Frequency	254

HH9_PARCH_X_Y (X=1-9 CHILDREN, Y=1-9 HHM)

Variable label	Flag indicating HHM Y is a parent of Child X
Original variables used	HH9_A1_CHILDX (X=1-9), HH9_A2F_RLTNSHIP_X (X=1-9), HH9_B1E_HAVECHILD_X (X=1-14), HH9_B1E_1_WHO_X_Y (X= 1-9, Y=1-14)
Notes	<p>This set of variables indicates which HHM is a parent to which child. The HHMs are numbered from 1 to 9 (max) and the children in the household are numbered 1 to 9 (max). The “X” in HH9_PARCH_X_Y represents the number of the children in the household and the “Y” represents the number of the HHMs.</p> <p>As an example, the variable HH9_PARCH_3_2 would indicate whether the second HHM is a parent to the third child in the household listed in the survey.</p> <p>If the parental status of a HHM was not asked then the variable was coded as -2.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No adult Y and no Child X	403,513
-8	No adult Y; Child X exists	105,104
-7	Adult Y exists; no Child X	147,314
-2	Parental status not asked (legitimate skip)	1,858
-1	Parental status DK/REF	50
0	HHM Y is not a parent of Child X	12,495
1	HHM Y is a parent of Child X	24,322
Total		694,656

*Count represents the sum of responses across the nine loops of HHMs for the nine loops of children.

HH9_PRGCH_X_Y (X=1-9 CHILDREN, Y=1-9 HHM)

Variable label	Indicates parental/guardian relationship between HHM Y and Child X
Original variables used	HH9_B1B_AGE_X, HH9_B1E_1_WHO_X, HH9_B1D_RLTION_X_R, HH9_B1_CUST_X
Notes	This set of variables indicates whether there is a parental or guardian relationship between the HHM and the child. It is an extended version of HH9_PARCH_X_Y (X=1-9, Y=1-9).

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No adult Y and no Child X	403,513
-8	No adult Y; Child X exists	105,104
-7	Adult Y exists; no Child X	147,314
-2	Parental status not asked (legitimate skip)	1,858
-1	Parental status DK/REF	45
0	HHM Y is not a parent of Child X	12,044
1	HHM Y is a parent of Child X	24,322
2	HHM Y is a guardian of Child X	456
Total		694,656

*Count represents the sum of responses across the nine loops of HHMs for the nine loops of children.

HH9_HHCOMP_RELATIONS_GPARENT

Variable label	HH has one or more grandparents of any child
Items affecting eligibility	A2F, B1D
Original variables used	HH9_A2F_RLTNSHP_X (X=1-9), HH9_B1D_RLTION_X (X=1-9)
Notes	<p>This variable captures whether the household has any grandparents of a child under age 13 years in the household.</p> <p>The main source of this variable are responses to items A2F and B1D.</p> <ul style="list-style-type: none">• If the respondent and/or any of the HHMs indicated they were a grandparent to any of the children under 13 years old in the household then this variable was coded 1.• If all of the HHMs (including the respondent) did not indicate they were a grandparent to any of the children under 13 years old in the household then this variable was coded 0.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No	6,961
1	Yes	1,615
Total		8,576

4. HOUSEHOLD'S DEMOGRAPHIC CHARACTERISTICS

This section reports the demographic characteristics of the household, including questions of race, ethnicity, and gender. It also contains information on the relationship between the respondent and the children in the household, access to internet and technology, and receipt of public assistance.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_CHAR_RACE	Racial/ethnic classification of household
HH9_RGENDER	Respondent's gender
HH9_RPARENTCH	Respondent is biological or adopted parent to children in the household
HH9_RGRANDPARENTCH	Respondent is grandparent to children in the household
HH9_RSTEPPARENTCH	Respondent is stepparent to children in the household
HH9_RSPOUSEPARTNER_LOOP	HHM's loop that identifies respondent's spouse/partner in the household
HH9_B1N_1_1	HH respondent's race: White
HH9_B1N_2_1	HH respondent's race: Black or African American
HH9_B1N_3_1	HH respondent's race: Asian
HH9_B1N_4_1	HH respondent's race: Native Hawaiian or Other Pacific Islander
HH9_B1N_5_1	HH respondent's race: American Indian or Alaska Native
HH9_B1N_6_1	HH respondent's race: If volunteered: other
HH9_G10_INSURE_X_R (X=1-18 SELECT ALL THAT APPLY VARIABLES)	Type of [Selected child]'s health insurance
HH9_G10A_OTHINSURE	Number of R's children under 13 that have health insurance (besides youngest child)
HH9_INTERNET	R has access to internet at home
HH9_INTERNET_CELL	R's internet access used for cellphone/tablet
HH9_INTERNET_COMPUTER	R's internet access used for desktop/laptop computer
HH9_PUBASSIST	Currently receiving WIC/food stamps/free/reduced price lunch
HH9_SUBSIDY_PAST	Anyone in HH received child care subsidies in past 12 months
HH9_WELFARE	HH received public assistance/welfare last year
HH9_LANGUAGE	Languages spoken in the household
HH9_MOMSCH_X (X=1-9 CHILDREN)	Educational attainment of Child X's residential mother in HH

Variable Name	Variable Description
HH9_A2G8_GRADE_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)	Highest level of schooling completed by non-resident Parent Y of Child X
HH9_A2G9_SEEN_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)	Number of times non-resident Parent Y of Child X has seen child
HH9_A2G9A_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)	Non-resident Parent Y has contributed >\$500 for care of Child X
HH9_B1F_HHCARE_X (X=1-9 HHM)	HHM X looks after children in HH
HHC9_AGE_AT_SEP1_18_X (X=1-9 CHILDREN)	Child X's age prior to September 1, 2018
HH9_G12C	Months anyone received child care subsidies
HH9_G12D	Reason why subsidies ended

HH9_CHAR_RACE

Variable label	Racial/ethnic classification of household
Original variables used	HH9_CHAR_RACE, HH9_ALLCHILD_RACE, HH9_MRACE1_1
Notes	<p>This variable describes the race and ethnicity of the respondent's household. The household is defined as the respondent and all of the children present in the household.</p> <p>The variable was coded according to the following conditions:</p> <ul style="list-style-type: none"> • If all of the children in the household were reported as the same race and were all non-Hispanic, and the respondent was of the same race as all of the children and also non-Hispanic, the variable reports that "All HHMs are non-Hispanic [insert Race]". • If all of the children in the household and the respondent were reported as being non-Hispanic, but the belonged to two or more different racial groups, then the variable was coded as 8 for "All HHMs non-Hispanic: Two + races." This would apply if the combination of two or more races was between the respondent and a child/children in the household or among the children in the household. • If all of the children in the household and the respondent were reported as being Hispanic then the variable was coded as 9 for "All HHMs Hispanic/Latino", regardless of the races of the HHMs. • If at least one of the children in household reported a different race and/or ethnicity than the respondent, and at least one member of the household was Hispanic, the variable was coded as 7 for "Multi-racial Household: HHMs Hispanic and non-Hispanic: One or more races". • If all children's races and/or ethnicities were missing then the variable was coded as a -1 for "Don't Know/Refused/No Answer". Similarly, if the respondent's race and/or ethnicity was missing then the variable was coded as -1 for "Don't Know/Refused/No Answer".

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	152
1	All HHMs non-Hispanic White	3,031
2	All HHMs non-Hispanic Black	1,178
3	All HHMs non-Hispanic Asian	253
4	All HHMs non-Hispanic Native Hawaiian and other Pacific Islander	47
5	All HHMs non-Hispanic American Indian or Alaska Native	51
6	All HHMs non-Hispanic, Other race	12
7	HHMs Hispanic and non-Hispanic: One or more races	1,104
8	All HHMs Non-Hispanic: Two + races	98
9	All HHMs Hispanic/Latino	2,650
Total		8,576

*Count represents the number of households in each category

HH9_RGENDER

Variable label	Respondent's gender
Items affecting eligibility	B1A
Original variables used	HH9_B1C_GENDER_1
Notes	This variable captures respondent's gender and is a direct response to survey item B1c: B1c. (IF FIRST HHM: Are you male or female?) 1. Male 2. Female 3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
1	Male	1,912
2	Female	6,605
3	Don't Know/Refused/No Answer	6
Total		8,576

*Count represents the number of households in each category

HH9_RPARENTCH

Variable label	Respondent is biological or adopted parent to children in the household
Original variables used	HH9_A1_CHILDX (X=1-9 Child), HH9_A2F_RLTNSHP_X (X=1-9 Child), HH9_S1, HH9_RBOPARENT_X (X=1-9 Child), HH9_RBIOSUM
Notes	<p>Variable indicates whether the respondent of the household questionnaire is the biological or adopted parent to:</p> <ul style="list-style-type: none">• none of the children in the household• some, but not all children in the household• all children in the household <p>To distinguish biological or adopted mothers from biological or adopted fathers, users should use HH9_RGENDER.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	DK/REF for Respondent relationship to all children in the household	3
1	Parent to no children in the household	691
2	Parent to some children in the household	433
3	Parent to all children in the household	7,449
Total		8,576

*Count represents the number of households in each category

HH9_RGRANDPARENTCH

Variable label	Respondent is grandparent to children in the household
Original variables used	HH9_A1_CHILDX (X=1-9 Child), HH9_A2F_RLTNSHP_X (X=1-9 Child), HH9_S1, HH9_RGRAND_X (X=1-9 Child), HH9_RGSUM
Notes	<p>Variable indicates whether the respondent of the household questionnaire is the grandparent to:</p> <ul style="list-style-type: none">• none of the children in the household• some, but not all children in the household• all children in the household <p>To distinguish grandmothers from grandfathers, users should use HH9_RGENDER.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	DK/REF for Respondent relationship to all children in the household	3
1	Grandparent to no children in the household	8,109
2	Grandparent to some children in the household	60
3	Grandparent to all children in the household	404
Total		8,576

*Count represents the number of households in each category

HH9_RSTEPPARENTCH

Variable label	Respondent is stepparent to children in the household
Original variables used	HH9_A1_CHILDX (X=1-9 Child), HH9_A2F_RLTNSHP_X (X=1-9 Child), HH9_S1, HH9_RSPARENT_X (X=1=9 Child), HH9_RSSUM
Notes	<p>Variable indicates whether the respondent of the household questionnaire is the stepparent parent to:</p> <ul style="list-style-type: none">• none of the children in the household• some, but not all children in the household• all children in the household <p>To distinguish stepmothers from stepfathers, users should use HH9_RGENDER.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	DK/REF for Respondent relationship to all children in the household	3
1	Stepparent to no children in the household	8,339
2	Stepparent to some children in the household	171
3	Stepparent to all children in the household	63
Total		8,576

*Count represents the number of households in each category

HH9_RSPOUSEPARTNER_LOOP

Variable label	HHM's loop that identifies respondent's spouse/partner in the household
Original variables used	HH9_B9A_NAME_X (X=1-12 HHM), HH9_B1D_RLTION_X (X=1-12 HHM)
Notes	Variable identifies loop (from 2 to 12) that identifies either the respondent's spouse, respondent's partner, or respondent's ex-wife/husband/partner in the household. As an example, if the variable has a value of 3, this means the respondent of the household questionnaire listed his or her spouse/partner as the third member in the household roster.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No HHMs identified	1,352
-1	No respondent's spouse/partner in household	1,335
2	Loop for R's spouse/partner in HH: HHM 2	5,601
3	Loop for R's spouse/partner in HH: HHM 3	201
4	Loop for R's spouse/partner in HH: HHM 4	63
5	Loop for R's spouse/partner in HH: HHM 5	18
6	Loop for R's spouse/partner in HH: HHM 6	3
7	Loop for R's spouse/partner in HH: HHM 7	2
8	Loop for R's spouse/partner in HH: HHM 8	1
Total		8,576

*Count represents the number of households in each category

HH9_B1N_1_1

Variable label	HH respondent's race: White
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_01
Notes	<p>This variable captures if Respondent indicated that they identified as White in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other) 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	3,115
1	Yes	5,408
Total		8,576

*Count represents the number of households in each category

HH9_B1N_2_1

Variable label	HH respondent's race: Black or African American
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_02
Notes	<p>This variable captures if Respondent indicated that they identified as Black or African American in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	7,051
1	Yes	1,472
Total		8,576

*Count represents the number of households in each category

HH9_B1N_3_1

Variable label	HH respondent's race: Asian
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_03
Notes	<p>This variable captures if Respondent indicated that they identified as Asian in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other) 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	8,149
1	Yes	374
Total		8,576

*Count represents the number of households in each category

HH9_B1N_4_1

Variable label	HH respondent's race: Native Hawaiian or Other Pacific Islander
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_04
Notes	<p>This variable captures if Respondent indicated that they identified as Native Hawaiian or Other Pacific Islander in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	8,422
1	Yes	101
Total		8,576

*Count represents the number of households in each category

HH9_B1N_5_1

Variable label	HH respondent's race: American Indian or Alaska Native
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_05
Notes	<p>This variable captures if Respondent indicated that they identified as American Indian or Alaska Native in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other) 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	8,288
1	Yes	235
Total		8,576

*Count represents the number of households in each category

HH9_B1N_6_1

Variable label	HH respondent's race: If volunteered: other
Items affecting eligibility	B1A
Original variables used	HH9_B1N_1_1_06
Notes	<p>This variable captures if Respondent indicated that they identified as another, unspecified race in survey item B1n:</p> <p>B1n. What is your race... (SELECT ONE OR MORE)</p> <p>5. American Indian or Alaska Native 3. Asian 2. Black or African American 4. Native Hawaiian or Other Pacific Islander 1. White 6. (IF RESPONDENT VOLUNTEERED ANOTHER RESPONSE: Other) 7. Don't Know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-4	Valid Skip	53
0	No	7,749
1	Yes	774
Total		8,576

*Count represents the number of households in each category

HH9_G10_INSURE_X_R (X=1-18 SELECT ALL THAT APPLY VARIABLES)

Variable label	Type of [Selected child]'s health insurance
Original variables used	HH9_G10_INSURE, HH9_G10_INSURSP
Notes	This set of variables captures selected child's insurance type and is a direct response to survey item G10.

G10.

What kind of health insurance or health care coverage does [SELECTED CHILD NAME] have?

(CODE FIRST MENTION, USE CATEGORIES TO PROBE AS NEEDED).

1. Private Health Insurance Plan from your employer or workplace
2. Private Health Insurance Plan through your spouse or partner's workplace
3. Private Health Insurance Plan purchased directly
4. Private Health Insurance Plan through a state or local government or community program, including a marketplace from healthcare.gov
5. Medicaid
6. Medicare
7. Military Health Care/VA or Champus/Tricare/Champ – VA
8. No coverage of any type
9. Other specify
10. Added: Private Health Insurance plan through child's parents or other relatives (e.g., grandparents, aunts/uncles, or siblings, etc.)
11. Added: Private Health Insurance Source unspecified
12. Added: Health Insurance through Union, College/University, or Church
13. Added: Supplemental Insurance Plan
14. Added: Charity care, Local clinic, Sliding scale, etc.
15. Added: Privately purchased limited coverage plan
16. Added: Coverage from another (possibly prior) employer (includes cobra)
17. Added: Indian Health Services
18. Added: Other state/local public health insurance (local and state health plans)
- 4. Don't know/Refused

Each response to G10 was recoded into its own variable in the data file that has a code of 1 if it was selected by the respondent or a code of 0 if it was not selected.

Each variable in the series HH9_G10_INSURE_X_R (X=1-18) has the following values:

- 1. Don't Know/Refused/No Answer
- 0. No
- 1. Yes

The frequency table below only shows values equal to 1 or, equivalently, responses indicating the selected child has each type of health insurance coverage.

To minimize disclosure, the variable HH9_G10_INSURE_17, which corresponds to the category "Indian Health Services" is not included in the public-use version of the data file.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	[Selected child]'s health insurance: From R's employer, private	2,380
1	[Selected child]'s health insurance: From R's spouse's employer, private	875
1	[Selected child]'s health insurance: R purchased directly, private	192
1	[Selected child]'s health insurance: Private, through state/local govt/comm prog	592
1	[Selected child]'s health insurance: Medicaid	3,381
1	[Selected child]'s health insurance: Medicare	355
1	Military Health Care/VA/Champus/Tricare	178
1	[Selected child]'s health insurance: No coverage of any type	351
1	[Selected child]'s health insurance: Other (specified)	17
1	[Selected child]'s health insurance: Added: From parents/oth relatives, private	37
1	[Selected child]'s health insurance: Added: Private, source unspecified	12
1	[Selected child]'s health insurance: Added: Through Union, College/Univ./Church	2
1	[Selected child]'s health insurance: Added: Supplemental insurance plan	1
1	[Selected child]'s health insurance: Added: Charity care/Local clnc/Sldng scale	1
1	[Selected child]'s health insurance: Added: Privately purchased limited coverage	0
1	Added: From another employer (incl. COBRA)	0
1	[Selected child]'s health insurance: Added: Other state/local public insurance	2
Total		8,376

*Count represents the sum of "yes" responses for each category

HH9_G10A_OTHINSURE

Variable label	Num of R's children under age 13 that have health insurance (besides youngest)
Items affecting eligibility	S1
Original variables used	HH9_G10A_OTHINSURE
Notes	<p>This variable captures how many of the respondent's children under age 13, other than the youngest child that the respondent reported, have health insurance or health care coverage and is a direct response to survey item G10a:</p> <p>G10a. Of your children under age 13 other than [NAME OF YOUNGEST CHILD], how many have some sort of health insurance or health care coverage?</p> <p>NUMBER OF CHILDREN: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.76
10th	1.00
25th	1.00
75th	2.00
90th	3.00
Min	0.00
Max	9.00
-2 (Valid Skip): Frequency	3,784
-1 (Don't Know/Refused/No Answer): Frequency	76

HH9_INTERNET

Variable label	R has access to internet at home
Original variables used	HH9_G14
Notes	<p>This variable indicates whether the respondent has access to the internet at home and is a direct response to survey item G14:</p> <p>G14.</p> <p>Do you have access to the internet at home?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	31
1	Yes	7,902
2	No	643
Total		8,576

*Count represents the number of households in each category

HH9_INTERNET_CELL

Variable label	R's internet access used for cellphone/tablet
Items affecting eligibility	G14
Original variables used	HH9_G14aa
Notes	<p>This variable indicates whether R's internet access is used via a cellphone or tablet and is a direct response to survey item G14aa:</p> <p>G14a. Is your Internet access using a. A cellphone or tablet</p> <p>1. Yes 2. No</p> <p>G14aa was only asked of respondents who indicated in G14 that they had access to the internet at home. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	674
-1	Don't Know/Refused/No Answer	6
1	Yes	7,701
2	No	195
Total		8,576

*Count represents the number of households in each category

HH9_INTERNET_COMPUTER

Variable label	R's internet access used for desktop/laptop computer
Items affecting eligibility	G14
Original variables used	HH9_G14ab
Notes	<p>This variable indicates whether R's internet access is used via a desktop or laptop computer and is a direct response to survey item G14ab:</p> <p>G14a. Is your Internet access using b. A desktop or laptop computer</p> <p>1. Yes 2. No</p> <p>G14ab was only asked of respondents who indicated in G14 that they had access to the internet at home. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	674
-1	Don't Know/Refused/No Answer	17
1	Yes	6,180
2	No	1,705
Total		8,576

*Count represents the number of households in each category

HH9_PUBASSIST

Variable label	Currently receiving WIC/food stamps/free/reduced price lunch
Original variables used	G12_1, G12_2, G12_3
Notes	<p>This variable indicates whether the respondent is currently receiving WIC, food stamps, and/or free or reduced lunch.</p> <ul style="list-style-type: none">• If the respondent indicated that they were receiving any of these three programs in survey item G12 they received a code of “yes” for this variable.• If the respondent indicated that they did not receive all three of these programs they received a code of “no”. Otherwise they were coded as “Don’t Know/Refused/No Answer”.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don’t Know/Refused/No Answer	129
0	No	4,314
1	Yes	4,133
Total		8,576

*Count represents the number of households in each category

HH9_SUBSIDY_PAST

Variable label	Anyone in HH received child care subsidies in past 12 months
Original variables used	HH9_G12B
Notes	<p>This variable captures if anyone in the household received child care subsidies in the past 12 months and is a direct response to survey item G12b:</p> <p>G12b. In the past 12 months, did anyone in this household receive child care subsidies for children of working parents, such as from [PROGRAM NAME]? These programs may also be open to parents who are in school or training.</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	151
1	Yes	240
2	No	8,185
Total		8,576

*Count represents the number of households in each category

HH9_WELFARE

Variable label	HH received public assistance/welfare last year
Original variables used	HH9_G4B1_WELFARE
Notes	<p>This variable indicates whether the household received any payment from a welfare or public assistance program in the last year and is a direct response to survey item G4b1:</p> <p>G4b1.</p> <p>In the last calendar year did your household receive any payments from a welfare or public assistance program like the Supplemental Security Income or SSI program or from Temporary Assistance for Needy Families or TANF program?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	203
0	No	7,212
1	Yes	1,161
Total		8,576

*Count represents the number of households in each category

HH9_LANGUAGE

Variable label	Languages spoken in the household
Original variables used	L1_HH9_B2_LANGX_R (X=1-5)
Notes	<p>This variable captures the combination of languages that are spoken in the household.</p> <p>The main source of this variable are responses to item B2.</p> <ul style="list-style-type: none"> • If no languages were selected, L1_HH9_B2_LANG1_R-L1_HH9_B2_LANG5_R all are missing, then this variable was coded -2. • If only English was selected then this variable was coded 1. • If English and Spanish/Spanish Creole was selected (regardless if any other languages were selected as well) then this variable was coded 2. • If only Spanish/Spanish Creole was selected then this variable was coded as 3. • If English and any other language(s) that are not Spanish/Spanish Creole were selected then this variable was coded as 4. • If one or multiple non-English languages were selected then this variable was coded as 5. <p>The restricted code frame has categories for “Spanish and Other non-English”, “Two or more Other (non-English) languages” and “One other non-English language only” but due to disclosure reasons, these are combined into one category: 5. “One or multiple non-English language(s) only”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Missing	39
1	English Only	5,806
2	English and Spanish/Spanish Creole	1,147
3	Spanish/Spanish Creole Only	944
4	English and Other non-English	420
5	One or multiple non-English language(s) only	220
Total		8,576

HH9_MOMSCH_X (X=1-9 CHILDREN)

Variable label	Educational attainment of Child X's residential mother in HH
Items affecting eligibility	A2F, B1C, B1J, B1E, B1E_1
Original variables used	HH9_A1_CHILDX (X=9), HH9_A2F_RLTNSHIP_X (X=9), HH9_B1E_HAVECHILD_X (X=9), HH9_B1E_1_WHO_X_Y (X= 9, Y=9), HH9_PARCH_X_Y (X= 9, Y=9), HH9_B1C_GENDER_X (X=1-9), HH9_B1J_GRADE_X (X=1-9)
Notes	<p>This variable captures the educational attainment of Child X's residential mother in the NSECE household.</p> <p>The main source of this variable are responses to items A2F, B1C, B1J, B1E, B1E_1, and B1J.</p> <ul style="list-style-type: none"> • If there was no child in the given loop, (Child X does not exist) then this variable was coded as -9 • Otherwise, if Child X does not have any female parents in the household, and there is no female HHM whose relationship with the child is unknown, then this variable was coded as 9 • Otherwise, if Child X had a female HHM in the household but the parental status was unknown then this variable was coded as -7 • If Child X had a female parent in the household, then this variable was coded as their highest education status that was noted in B1J • If Child X had more than one female parent then the highest education status noted in B1J of the female parent that was recorded first in the HHM roster was used. <p>The -7 reserve code is a new reserve code that was created for 2019. It is not present in the 2012 version of this variable.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No child	61,203
-7	Parental status was unknown for one or more household members	97
1	8th grade or less	664
2	9th-12th grade no diploma	1,457
3	High school graduate or GED completed	3,860
4	Some college credit but no degree	2,948
5	Associate degree (AA, AS)	1,501
6	Bachelor's degree (BA, BS, AB)	2,441
7	Graduate or professional degree	1,299
8	Don't Know/Refused	67
9	Child has no biological or adoptive mother in household	1,647
Total		77,184

*Count represents the sum of responses across the nine loops of children.

HH9_A2G8_GRADE_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)

Variable label	Highest level of schooling of non-resident Parent Y of Child X
Items affecting eligibility	A2G1, A2G2
Original variables used	HH9_A2G8_GRADE_X_Y (X=1-9, Y=1-2)
Notes	<p>This variable captures the highest level of schooling of non-resident Parent Y of Child X and is a direct response to survey item A2G8:</p> <p>A2G8. What is the highest grade or level of schooling he/she has completed?</p> <ol style="list-style-type: none">1. 8th grade or less2. 9th-12th grade no diploma3. High school graduate or GED completed4. Some college credit but no degree5. Associate degree (AA, AS)6. Bachelor's degree (BA, BS, AB)7. Graduate or professional degree8. Don't Know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	8th grade or less	154
2	9th-12th grade no diploma	318
3	High school graduate or GED completed	922
4	Some college credit but no degree	300
5	Associate degree (AA, AS)	98
6	Bachelor's degree (BA, BS, AB)	157
7	Graduate or professional degree	50
8	Don't Know/Refused	217
.	Missing	152,152
Total		154,368

*Count represents the sum of responses across the nine loops of children and two loops of parents.

HH9_A2G9_SEEN_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)

Variable label	Number of times non-resident Parent Y of Child X has seen child
Items affecting eligibility	A2G1, A2G2
Original variables used	HH9_A2G9_SEEN_X_Y (X=1-9, Y=1-2)
Notes	<p>This variable captures how many times non-resident Parent Y of Child X has seen that child is a direct response to survey item A2G9:</p> <p>A2G9. In the past 12 months, about how many times has he/she seen [CHILD NAME]?</p> <p>TIMES: _____ -4. Don't Know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	81.08
10th	0.00
25th	2.00
75th	106.00
90th	300.00
Min	0.00
Max	999.00
-4 (Don't Know/Refused): Frequency	93

*Statistics are based on values across the nine loops of children and 2 loops of parents.

HH9_A2G9A_X_Y (X=1-9 CHILDREN, Y=1-2 PARENTS)

Variable label	Non-resident Parent Y has contributed >\$500 for care of Child X
Items affecting eligibility	A2G1, A2G2
Original variables used	HH9_A2G9A_X_Y (X=1-9, Y=1-2)
Notes	<p>This variable captures whether non-resident Parent Y has contributed more than \$500 for care of Child X and is a direct response to survey item A2G9a:</p> <p>A2G9a. In the past 12 months, has he/she contributed \$500 or more for [CHILD NAME]'s basic needs, for example, food, clothing, or medical expenses?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't Know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	1,067
2	No	1,110
3	Don't Know/Refused	39
.	Missing	152,152
Total		154,368

*Count represents the sum of responses across the nine loops of children and two loops of parents.

HH9_B1F_HHCARE_X (X=1-9 HHM)

Variable label	HHM X looks after children in HH
Items affecting eligibility	B1e
Original variables used	HH9_B1F_HHCARE_X (X=1-9)
Notes	<p>This variable captures whether the HHM X looks after children in the household and is a direct response to survey item B1f:</p> <p>B1f. Does [HHM NAME] ever look after the young children in the household?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't Know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	2,004
2	No	3,670
3	Don't Know/Refused	16
.	Missing	71,494
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs.

HHC9_AGE_AT_SEP1_18_X (X=1-9 CHILDREN)

Variable label	Child X's age prior to September 1, 2018
Original variables used	HHC9_AGE_X (X=1-10), HH9_ETIME
Notes	This variable captures the child's age prior to September 1, 2018. The child's age prior to September 1, 2018 is derived using the age in months reported at the time of interview (HHC9_AGE_X) adjusted based on month of interview. Month of interview is extracted from HH9_ETIME.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	72.08
10th	14.00
25th	35.00
75th	110.00
90th	134.00
Min	0.00
Max	153.00
-3 (Child not born as of Sept 1, 2018): Frequency	583
-2 (No child in loop): Frequency	61,203

*Statistics are based on values across the nine loops of children.

HH9_G12C

Variable label	Months anyone received child care subsidies
Items affecting eligibility	G12B_M
Original variables used	HH9_G12C
Notes	This variable captures the number of months in the past year anyone in the household received child care subsidies, among respondents who responded "Yes" to item G12B, and is a direct response to survey item G12C: G12C. How many months in the past year did anyone in this household receive child care subsidies?

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	8.68
10th	2.00
25th	6.00
75th	12.00
90th	12.00
Min	0.00
Max	12.00
-4 (Don't Know/Refused/No Answer): Frequency	10

HH9_G12D

Variable label	Reason why subsidies ended
Items affecting eligibility	G12B_M
Original variables used	HH9_G12D
Notes	<p>This variable captures the main reason that child care subsidies ended and is a direct response to survey item C11:</p> <p>G12D. What was the main reason that child care subsidies ended?</p> <ol style="list-style-type: none">1. Parent lost eligibility due to increased income2. Parent lost eligibility due to no longer meeting work, school or training requirements3. Parent lost eligibility due to other or unknown reasons4. Child did not need care anymore5. Did not like care6. Subsidy program was too difficult to participate in7. Still receiving subsidies

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Parent lost eligibility due to increased income	17
2	Parent lost eligibility due to no longer meeting wrk/schl/training requirements	11
3	Parent lost eligibility due to other or unknown reasons	9
4	Child did not need care anymore	14
5	Did not like care	8
6	Subsidy program was too difficult to participate in	5
7	Still receiving subsidies	155
8	Don't Know/Refused	21
.	Missing	8,336
Total		8,576

5. HOUSEHOLD INCOME

The NSECE Household Survey collected respondent income in two ways: **monthly** and **annual income**.

For **monthly income**, the household survey asked respondents to report their household income in the month prior to the interview (HH9_G3_INCOME). The household survey then clarified with the respondent whether they reported before tax or after tax income (HH9_MONTHLY_INCOME_AFTERTAX). For respondents who either did not know or refused to provide the exact dollar value of their monthly income, the survey asked respondents to report the income range (choosing from one of six categories) that best described their monthly income (HH9_G3B_ESTINCOME).

For respondents who reported their monthly income on an after tax basis, we applied a factor (HH9_INC_TAX_ADJ_FACTOR) to “gross-up” or adjust their reported (or imputed) annual income to a before tax basis, as HH9_ANNUAL_INCOME_ADJ. There were 1075 respondents who did not say whether they reported their monthly income on a before or after tax basis. This probability is reported in the variable HH9_INC_PROB_AFTGER_TAX_REPORT. HH9_INC_TAX_ADJ_FACTOR was then adjusted based on the probability that respondents reported their income on an after tax basis.

We frame the problem of imputing before/after tax reporting as a classification problem. That is, given observed variables, we wish to predict whether a respondent reported income on a before or after tax basis. To do this, we use an algorithm known as a random forest. A random forest is based on a collection of decision trees. Each decision tree can be thought of as a sequence of decision rules, based on observed variables, which classifies a case into either a before or after tax reporter. Randomness comes from the fact that each tree uses a randomly drawn sample of cases, and a randomly drawn subset of observed variables, to construct the decision rules. The probability of a case being a before or after tax reporter is the proportion of trees in the random forest that classify the case as such.

After asking about monthly income, the survey then asked about **annual income**. Specifically, the household survey asked the respondent to report the annual household income for the calendar year 2018. For respondents who either did not know or refused to provide the exact dollar value of their annual income (HH9_G4A_INCOMEYR), the survey asked a series of questions (HH9_G4A1-A7) about whether their household income fell above or below various thresholds; this series of questions allowed household data users to identify relatively narrow income ranges. For these households, the NSECE team imputed annual income as the midpoint of the range in which their annual income fell. For those that reported income over \$75,000, the value of \$106,000 was imputed, equivalent to the unweighted median income reported by all respondents who reported exact annual income at or above \$75,000. The survey did not ask these respondents whether their report of annual income was before or after tax.

Household Income Non-response

There were 755 respondents who reported neither an exact value nor an income range for their household annual income. We imputed these missing income values by using a model we

trained on the set of cases that did report annual income. In doing so, we were cautious not to overfit our model to the observed data. That is, we understood a model that was highly predictive of income in the observed data might have yielded poor predictions if we had used it to impute missing income data. To avoid overfitting, we used a regression method known as LASSO (least absolute shrinkage and selection operator) to select our model's predictors.

LASSO is a form of regression that imposes a penalty on the magnitudes of the regression coefficients, with the intent of forcing some of the coefficients to zero (in effect excluding the associated predictors from the model). The size of the penalty is chosen using a method called cross-validation. The data are split into a training set and a test set. Many models are estimated (with different LASSO penalties) using the training set. The models are then used to generate predictions of the outcome variable (income, in this case) in the test set. The best model is the one that yields the best predictions in the test set.

The variable HH9_ANNUAL_INCOME_IMP_INDICATOR identifies the source of the data used to generate the final version of household annual income: either (a) an exact report by the respondent, (b) a value inferred based on reported income ranges, or (c) imputation based on reported covariates.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_ANNUAL_INCOME_RAW_TC	Annual household income for the calendar year 2018 (Top coded)
HH9_ANNUAL_INCOME_IMP_TC	Annual income for the calendar year 2018 with missing values imputed (Top coded)
HH9_ANNUAL_INCOME_IMP_INDICATOR	Variable indicating source of HH9_ANNUAL_INCOME_IMP
HH9_ECON_INCOME_ANNUAL	Annual income for the calendar year 2018 adjusted to before tax levels (Top coded)
HH9_ECON_INCOME_MONTHLY	Monthly income before tax
HH9_ECON_INCOME_POVRATCAT	Ratio of annual income for the calendar year 2018 to poverty level
HH9_POV_RATIO_TC	Ratio of annual income for the calendar year 2018 to poverty level (Top coded)
HH9_INC_PROB_AFTER_TAX_REPORT	Variable estimating the probability that annual income was reported after taxes
HH9_INC_TAX_ADJ_FACTOR	Estimated factor adjusting post tax annual income to pre-tax annual income
HH9_INC_POV_THRESHOLD	Household poverty threshold

HH9_ANNUAL_INCOME_RAW_TC

Variable label	Annual household income for the calendar year 2018 (Topcoded)
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K
Notes	Annual household income for the calendar year 2018. This includes incomes reported in exact dollar amounts and incomes reported in ranges which are converted to the midpoint of the reported range. Households for which annual income was not reported in either exact amounts or ranges due to refusals or don't know responses were coded -1. In order to prevent disclosure, the public-use variable was top coded so that the top 1% of observations were replaced by the median of the top 1% observations.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	56,940.77
10th	12,500.00
25th	24,000.00
75th	75,000.00
90th	110,000.00
Min	0.00
Max	332,500.00
-1 (Don't Know/Refused): Frequency	755

HH9_ANNUAL_INCOME_IMP_TC

Variable label	Annual income for the calendar year 2018 with missing values imputed (Topcoded)
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K For imputation: HH9_B1J_GRADE_1, HH9_G4B_EARNERS_R, HH9_G1_OWNHOME, HH9_CAR, HH9_WELFARE, HH9_INCNOH, HH9_FOODSTAMP, HH9_WIC, H9_FREELUNCH, HH9_G11_EAT, HH9_RMALE, HH9_RACE, HH9_B1J_GRADE_1, HH9_MARITAL_STATUS, HH9_N_CHILDREN, HH9_RBORNUS, MONTH_COMPLETE, HH9_RWORK, HH9_RSCHOOL, HH9_RTRAIN
Notes	Annual income for the calendar year 2018 with missing values imputed. Missing observations were imputed using linear regression with regularization. In order to prevent disclosure, the public-use variable was top coded so that the top 1% of observations were replaced by the median of the top 1% observations. See HH9_ANNUAL_INCOME_IMP_INDICATOR in the derived variables section for a flag indicating source of income for this variable.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	55,361.28
10th	12,500.00
25th	24,000.00
75th	71,000.00
90th	107,923.00
Min	0.00
Max	332,500.00

HH9_ANNUAL_INCOME_IMP_INDICATOR

Variable label	Variable indicating source of HH9_ANNUAL_INCOME_IMP
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K, HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K, HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K
Notes	If income was not reported by the respondent and recorded in HH9_G4a_INCOMEYR, it was inferred using the range indicated in the HH9_G4a series of questions. If income could not be inferred it was imputed based on collected demographic and economic information.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Exact value reported by respondent	6,253
1	Value inferred from ranges reported by respondent	1,568
2	Value imputed	755
Total		8,576

*Count represents the number of households in each category

HH9_ECON_INCOME_ANNUAL

Variable label	Annual income for the calendar year 2018 adjusted to before tax levels (Topcoded)
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K, HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K, HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K, HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K
	For adjustment: HH9_G3_INCOME, HH9_G3A_TAXINCL, HH9_G4A_INCOMEYR
Notes	Annual income for the calendar year 2018 adjusted to before tax levels. Annual income was adjusted to before tax levels using adjustment factors which take into account before tax/after tax reporting.
	In order to prevent disclosure, the public-use variable was top coded so that the top 1% of observations were replaced by the median of the top 1% observations.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	62,020.95
10th	13,889.00
25th	24,000.00
75th	79,444.00
90th	127,200.00
Min	0.00
Max	371,066.50

HH9_ECON_INCOME_MONTHLY

Variable label	Monthly income before tax
Original variables used	HH9_G3_INCOME, HH9_G3A_TAXINCL, HH9_G3B_ESTINCOME
Notes	<p>This measure of income combines exact and categorical reports of annual income. Variable underwent imputation, tax-adjustment, and top coding.</p> <p>In order to prevent disclosure, the variable HH9_ECON_INCOME_MONTHLY was top coded so that the top 1% of observations of household monthly income were replaced by the median of the top 1% observations.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	5,957.07
10th	1,000.00
25th	1,920.00
75th	6,000.00
90th	10,000.00
Min	0.00
Max	110,555.50

HH9_ECON_INCOME_POVRATCAT

Variable label	Ratio of annual income for the calendar year 2018 to poverty level
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K, HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K, HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K, HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K, HH9_B1B_AGE_1, HH9_RELATED, HH9_LT18REL
Notes	HH9_ECON_INCOME_POVRATCAT converted the ratio of annual income for the calendar year 2018 (HH9_POV_RATIO) to poverty level into categories.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Less than 100 percent of the federal poverty level	2,420
2	100 to 199 percent of the federal poverty level	2,244
3	200 to 299 percent of the federal poverty level	1,533
4	300 percent and higher of the federal poverty level	2,379
Total		8,576

*Count represents the number of households in each category

HH9_POV_RATIO_TC

Variable label	Ratio of annual income for the calendar year 2018 to poverty level (Topcoded)
Original variables used	HH9_G4A_INCOMEYR, HH9_G4A1_ESTINC30K, HH9_G4A2_ESTINC50K, HH9_G4A3_ESTINC75K, HH9_G4A4_ESTINC40K, HH9_G4A5_ESTINC15K, HH9_G4A6_ESTINC20K, HH9_G4A7_ESTINC10K, HH9_B1B_AGE_1, HH9_RELATED, HH9_LT18REL
Notes	<p>Total household income for calendar year 2018 divided by the poverty threshold for a household of given size with a given number of related children. In 2018, the federal poverty level was \$20,231 a year for a family of three with two children (more detail is available at https://www.census.gov/hhes/www/poverty/data/threshld/index.htm).</p> <p>Note that household size is based on the number of individuals related to the respondent (HH9_RELATED) rather than the total number individuals in the household, regardless of whether or not they are related to the respondent (HH9_HHCOMP_MEMBERS).</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2.52
10th	0.54
25th	0.94
75th	3.19
90th	5.05
Min	0.00
Max	15.96

HH9_INC_PROB_AFTER_TAX_REPORT

Variable label	Variable estimating the probability that annual income was reported after taxes
Original variables used	HH9_G3A_TAXINCL, HH9_ANNUAL_INCOME_IMP
Notes	This variable is based on variable HH9_G3a_TAXINCL, which indicates whether reported monthly income was reported before or after taxes. The value of HH9_G3a_TAXINCL was assumed to apply to annual income as well. In cases where HH9_G3a_TAXINCL was missing, a probability of reporting income after tax was estimated based on income.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.55
10th	0.00
25th	0.00
75th	1.00
90th	1.00
Min	0.00
Max	1.00
-1 (HH9_ANNUAL_INCOME_IMP=0): Frequency	49

HH9_INC_TAX_ADJ_FACTOR

Variable label	Estimated factor adjusting post tax annual income to pre-tax annual income
Original variables used	HH9_G3A_TAXINCL, HH9_G3_INCOME
Notes	This variable provides the adjustment factor used to adjust annual income reported as post-tax to pre-tax value, if needed. It is based on the ratio of reported monthly income of respondents that reported providing monthly income at pre or post tax levels. Note that the adjustment factor was only applied if it was determined that annual income was reported after tax.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.09
10th	1.00
25th	1.00
75th	1.17
90th	1.22
Min	1.00
Max	1.47
-1 (HH9_ANNUAL_INCOME_IMP=0): Frequency	49

HH9_INC_POV_THRESHOLD

Variable label	Household poverty threshold
Original variables used	HH9_B1D_RLTION_R_X, HH9_B1B_AGE_X, HH9_CAGEMOS_X, HH9_CRELATED_X.
Notes	Poverty threshold is based on the total number of related HHMs and the number of related HHMs under age 18. See https://www2.census.gov/programs-surveys/cps/tables/time-series/historical-poverty-thresholds/thresh18.xls

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	25,662.33
10th	17,308.00
25th	20,212.00
75th	29,967.00
90th	34,612.00
Min	13,064.00
Max	55,140.00

6. OTHER ECONOMIC INDICATORS

This section includes economic indicators in the household questionnaire. These measures are self-reported by the Household Interview respondent. Indicators describe the characteristics of the households children live in.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_ECON_FOODSTAMP	R or R's child/children receive food stamps
HH9_ECON_WIC	R or R's child/children receive WIC
HH9_ECON_FREELUNCH	R or R's child/children participate in a reduced or free school meals program
HH9_ECON_EAT	Best description of the food eaten in R's HH in last 12 months
HH9_ECON_BORROW	R has a person or place from whom he/she could borrow \$500 for three months
HH9_ECON_OWNCAR	R owns a car
HH9_ECON_OWNSHOME	R/R's spouse/R's partner own this home/rent/something else
HH9_G1A_LIVING	R's living situation
HH9_ECON_EARNERS	Number of different HH members w/job earnings counted in 2018 HH income
HH9_ECON_PARWORK	Count of the number of parents who live in the HH and reported working last week
HH9_ECON_PARWST	Number of parents who live in HH & reported attending school/work/training last week
HH9_D1A_WORK_X (X=1-9 HHM)	Whether HHM X did any work for pay last week
HH9_D1B_SCHOOL_X (X=1-9 HHM)	Whether HHM X attended classes in HS, college, or university last week
HH9_D1C_TRAINING_X (X=1-9 HHM)	Whether HHM X attended training last week to find job/improve skills/learn new job
HH9_D2_2_X (X=1-9 HHM)	How far in advance HHM X usually knows what days and hours HHM X needs to work
HH9_D2_3_X (X=1-9 HHM)	HHM X worked usual sched last week/no usual sched/last week's sched not usual
HH9_D3D_UNIT_X (X=1-9 HHM)	Unit of pay for HH member X's wage at main job (place with most hours each week)
HH9_D3D_WAGE_TC_X (X=1-9 HHM)	Amount HHM X was paid at main job (place with most hours each week)
HH9_D4_EVERWRK_X (X=1-9 HHM)	Whether HHM X has ever worked for pay (if R was not working last week)
HH9_D5B_LASTWRKMOYR_R_X (X=1-9 HHM)	When HHM X last worked (if HHM X was not working last week): year, month as decimal
HH9_D5C_HOUR_X (X=1-9 HHM)	How many hours HHM X worked at last job (if HHM X was not working last week)
HH9_D5D_WAGE_TC_X (X=1-9 HHM)	Top coded amount HHM X was paid at last job (if HHM X was not working last week)
HH9_D5D_UNIT_X (X=1-9 HHM)	Unit of HHM X's hourly wage at last job (if HHM X was not working last week)
HH9_D9A_CCAREDAY	Number of days in past month HHM worked from home for child-care related reason

Variable Name	Variable Description
HH9_D10_DAYMISSED	Number of work days HHM has missed in past 3 months (excluding holidays/vacation)
HH9_D10A_CCAREMISS	Number of work days HHM missed (in D10) because HHM's prov was sick/on vacation
HH9_D10B_KIDSICK	Number of work days HHM missed (in D10) because a child was sick
HH9_D10C_MISSNOPAY	Whether any HH member lost any pay because of missed work (D10A>0 or D10B>0)
HH9_D11_DAYLATE	Number of days in past 3 months HHM was late/had to leave work early for any reason
HH9_D11A_DAYEARLY	Number of days (in D11) HH member was late/left early due to child care
HH9_D11B_DAYLOSEPAY	Whether any HH member (in D11) lost any pay because late/left early
HH9_D12_DAYSPEC	Number of days HHM made special arrangements in past 3 months because prov was sick/unavailable
HH9_D13_DAYSPEC_OTH	Number of days HHM made special arrangements for care in past 3 months for another reason
HH9_D15_FLEXACCT	R/R's spouse take part in pre-tax flexible spending acct to pay for child care

HH9_ECON_FOODSTAMP

Variable label	R or R's child/children receive foodstamps
Original variables used	HH9_G12_1
Notes	<p>This variable captures whether the respondent or respondent's child/children receive food stamps and it is a direct response to survey item G12:</p> <p>G12. Do you or your [child/children] receive food stamps, WIC or participate in a reduced or free school meals program?</p> <p>(CODE ALL THAT APPLY) (IF NEEDED: By school meals I mean reduced or free lunch, breakfast program or after school meals program for children of low-income families.) (IF NEEDED: WIC is the Women, Infants and Children supplemental nutrition program.)</p> <p>Food stamps</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused <p>WIC only</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused <p>School meals program</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	126
0	No	6,417
1	Yes	2,033
Total		8,576

*Count represents the number of households in each category

HH9_ECON_WIC

Variable label	R or R's child/children receive WIC
Original variables used	HH9_G12_2
Notes	<p>This variable captures whether the respondent or respondent's child/children receives WIC and is a direct response to survey item G12:</p> <p>G12.</p> <p>Do you or your [child/children] receive food stamps, WIC or participate in a reduced or free school meals program?</p> <p>(CODE ALL THAT APPLY)</p> <p>(IF NEEDED: By school meals I mean reduced or free lunch, breakfast program or after school meals program for children of low-income families.)</p> <p>(IF NEEDED: WIC is the Women, Infants and Children supplemental nutrition program.)</p> <p>Food stamps</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>WIC only</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>School meals program</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	124
0	No	6,917
1	Yes	1,535
Total		8,576

*Count represents the number of households in each category

HH9_ECON_FREELUNCH

Variable label	R or R's child/children participate in a reduced or free school meals program
Original variables used	HH9_G12_3
Notes	<p>This variable captures whether the respondent or respondent's child/children participate in a reduced or free school meals program and is a direct response to survey item G12:</p> <p>G12. Do you or your [child/children] receive food stamps, WIC or participate in a reduced or free school meals program?</p> <p>(CODE ALL THAT APPLY) (IF NEEDED: By school meals I mean reduced or free lunch, breakfast program or after school meals program for children of low-income families.) (IF NEEDED: WIC is the Women, Infants and Children supplemental nutrition program.)</p> <p>Food stamps</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused <p>WIC only</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused <p>School meals program</p> <ol style="list-style-type: none"> 1. Yes 2. No 3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	159
0	No	5,388
1	Yes	3,029
Total		8,576

*Count represents the number of households in each category

HH9_ECON_EAT

Variable label	Best description of food eaten in R's HH in last 12 months
Original variables used	HH9_G11_EAT
Notes	<p>This variable captures the respondent's self-evaluation of the amount of food the household had to eat in the past 12 months and is a direct response to survey item G11:</p> <p>G11.</p> <p>Which of these statements best describes the food eaten in your household in the last 12 months: We always had enough to eat, sometimes we did not have enough to eat, or often, we did not have enough to eat?</p> <p>(CODE ONE ONLY)</p> <ol style="list-style-type: none">1. Always enough to eat2. Sometimes not enough to eat3. Often not enough to eat4. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	34
1	Always enough to eat	7,680
2	Sometimes not enough to eat	769
3	Often not enough to eat	93
Total		8,576

*Count represents the number of households in each category

HH9_ECON_BORROW

Variable label	R has a person or place from whom he/she could borrow \$500 for three months
Original variables used	HH9_G13_BORROW
Notes	<p>This variable captures whether respondents had a person or place they could borrow \$500 for three months and is a direct response to survey item G13:</p> <p>G13. If you needed to borrow \$500 for three months, is there some person or place you could borrow it from? (IF NEEDED: I'm just asking a hypothetical question.)</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	192
1	Yes	5,885
2	No	2,499
Total		8,576

*Count represents the number of households in each category

HH9_ECON_OWNCAR

Variable label	R owns a car
Original variables used	HH9_G2_CAR
Notes	This variable captures whether respondent owns a car and is a direct response to survey item G2: G2. Do you have a car? 1. Yes 2. No 3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	19
1	Yes	7,733
2	No	824
Total		8,576

*Count represents the number of households in each category

HH9_ECON_OWNSHOME

Variable label	R/R's spouse/R's partner own this home/rent/something else
Original variables used	HH9_G1_OWNSHOME
Notes	<p>This variable captures whether respondent, respondent's spouse, or respondent's partner own the home and is a direct response to survey item G1:</p> <p>G1. Do [you/you or your spouse/you or your partner] own this home, do you rent, or something else?</p> <p>1. Own 2. Rent 3. Other, neither own nor rent 4. Don't know/Refused</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	55
1	Own	3,631
2	Rent	4,510
3	Other, neither own nor rent	380
Total		8,576

*Count represents the number of households in each category

HH9_G1A_LIVING

Variable label	R's living situation
Items affecting eligibility	G1
Original variables used	HH9_G1A_LIVING
Notes	This variable indicates R's current living situation if they indicated that they do not rent or own their own home in survey item G1, and is a direct response to G1A:

G1a.
What is your situation?

1. Live with parent(s)
2. Live with spouse's/partner's parent(s)
3. Housing is part of job compensation; live-in servant; housekeeper; gardener; farm laborer
4. Housing is a gift paid for by an HU resident other than R or spouse/partner
5. Housing is a gift paid for by a friend or relative outside of the HU
6. Housing paid for by a government agency/welfare/charitable institution
7. Sold home, not moved out of it yet
8. Living in house which R will inherit; estate in progress
9. Living in temporary quarters (garage, shed) while home is under construction
10. Live here without formal arrangements; staying temporarily; squatting
11. Other
12. Don't know/Refused

All other respondents received a code of -2 for "Valid Skip".

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	8,141
1	Live with parent(s)	189
2	Live with spouse's/partner's parent(s)	25
3	Housing part of compensation/live-in servant/housekeeper/gardener/farm laborer	8
4	Housing is a gift paid for by an HU resident other than R or spouse/partner	7
5	Housing is a gift paid for by a friend or relative outside of the HU	17
6	Housing paid for by a government agency/welfare/charitable institution	10
7	Sold home, not moved out of it yet	1
8	Living in house which R will inherit; estate in progress	21
9	Living in temporary quarters (garage, shed) while home is under construction	1
10	Live here without formal arrangements; staying temporarily; squatting	26
11	Other	80
12	Don't Know/Refused/No Answer	50
Total		8,576

*Count represents the number of households in each category

HH9_ECON_EARNERS

Variable label	Num of different HHMs w/job earnings counted in 2018 HH income
Original variables used	HH9_G4B_EARNERS
Notes	<p>This variable indicates how many HHMs contributed to the household's 2018 income and is a direct response to survey item G4b:</p> <p>G4b. How many different people's job earnings did you count in that 2018 household income?</p> <p>NUMBER OF PEOPLE: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.57
10th	1.00
25th	1.00
75th	2.00
90th	2.00
Min	1.00
Max	4.00
-1 (Don't Know/Refused/No Answer): Frequency	316

HH9_ECON_PARWORK

Variable label	Count of the number of parents who live in the HH and reported working last week
Original variables used	HH9_PARWORK_X (X=1-12 HHM), HH9_D1A_WORK_X (X=1-12 HHM)
Notes	<p>This variable indicates the count of the number of parents who live in the HH <i>and</i> reported working in previous week in HH9_D1a_WORK_X.</p> <p>Note that this variable is not a count of HHMs who work, but rather a count of parents in the household who work. Furthermore, parents refer to parents of <i>any</i> child in the HH under age 13, not necessarily any specific child.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.09
10th	0.00
25th	1.00
75th	2.00
90th	2.00
Min	0.00
Max	5.00

HH9_ECON_PARWST

Variable label	Num of parents who live in HH & reported attending school/work/training last wk
Original variables used	HH9_PARWST_X (X=1-12 HHM), HH9_D1A_WORK_X (X=1-12 HHM), HH9_D1B_SCHOOL_X (X=1-12 HHM), HH9_D1C_TRAINING_X (X=1-12 HHM)
Notes	<p>This variable indicates the number of parents who live in the HH <i>and</i> reported working, attending school, or attending a training in previous week in HH9_D1a_WORK_X, HH9_D1b_SCHOOL_X, and HH9_D1c_TRAINING_X.</p> <p>Note that this variable is not the number of HHMs who went to school, work or training in the previous week, but rather count of parents who did one of these three activities. Furthermore, parents refer to parents of <i>any</i> child in the HH under age 13, not necessarily any specific child.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.12
10th	0.00
25th	1.00
75th	2.00
90th	2.00
Min	0.00
Max	5.00

HH9_D1A_WORK_X (X=1-9 HHM)

Variable label	Whether HHM X did any work for pay last week
Original variables used	HH9_D1A_WORK_X
Notes	<p>This set of variables captures if HHMs worked for pay last week and is a direct response to survey item D1a:</p> <p>D1a.</p> <p>I'm going to ask you about [your/HHM's] current work situation. Last week, did (you/s/he) do any work for pay?</p> <p>(IF NEEDED: Please include freelance work, work in the military, work for a family-owned business even if [you/s/he] did not get paid, and work on [your/his/her] own business or farm.)</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	10,236
2	No	4,561
3	Don't Know/Refused/No Answer	157
.	Missing	62,230
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D1B_SCHOOL_X (X=1-9 HHM)

Variable label	Whether HHM X attended classes in HS, college, or university last week
Original variables used	HH9_D1b_SCHOOL_X
Notes	<p>This set of variables captures if HHMs attended class in high school, college or university last week and is a direct response to survey item D1b:</p> <p>D1b. Last week, [did you/was s/he] attend classes in a high school, college or university?</p> <ol style="list-style-type: none">1. Yes, attended2. No, not attended3. Don't know/Refused <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes, attended	841
2	No, not attended	14,021
3	Don't Know/Refused	92
.	Missing	62,230
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D1C_TRAINING_X (X=1-9 HHM)

Variable label	Whether HHM X attended training last wk to find job/improve skills/lrn new job
Original variables used	HH9_D1C_TRAINING_X
Notes	<p>This set of variables captures if HHMs attended courses or training programs other than high school, college, or university last week and is a direct response to survey item D1c:</p> <p>D1c. Other than high school, college, or university, did [you/s/he] attend any courses or training programs last week designed to help people find a job, improve their job skills, or learn a new job?</p> <ol style="list-style-type: none">1. Yes, in training2. No, not in training3. Don't know/Refused <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes, in training	688
2	No, not in training	14,160
3	Don't Know/Refused	106
.	Missing	62,230
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D2_2_X (X=1-9 HHM)

Variable label	How far in advance HHM X usually knows what days and hrs HHM X needs to work
Items affecting eligibility	D1A
Original variables used	HH9_D2_2_X
Notes	<p>This set of variables captures how far in advance HHMs usually know their work schedule and is a direct response to survey item D2_2:</p> <p>D2_2. How far in advance [do you/he/she] usually know what days and hours you/he/she will need to work?</p> <ol style="list-style-type: none">1. One week or less2. Between 1 and 2 weeks3. Between 3 and 4 weeks4. 4 weeks or more5. Don't know/Refused <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1A.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	One week or less	2,588
2	Between 1 and 2 weeks	1,038
3	Between 3 and 4 weeks	336
4	4 weeks or more	4,931
5	Don't Know/Refused	251
.	Missing	68,040
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D2_3_X (X=1-9 HHM)

Variable label	HHM X worked usual sched last week/no usual sched/last week's sched not usual
Items affecting eligibility	D1A
Original variables used	HH9_D2_2_X
Notes	<p>This set of variables captures if HHMs worked their usual schedule last week and is a direct response to survey item D2_3:</p> <p>D2_3. Did [you/she/he] work [your/his/her] usual schedule last week, is there no usual schedule, or was last week's schedule not the usual one?</p> <ol style="list-style-type: none">1. Usual schedule2. No usual schedule3. Last week unusual4. Don't know/Refused <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1A.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Usual schedule	7,140
2	No usual schedule	1,320
3	Last week unusual	617
4	Don't Know/Refused	67
.	Missing	68,040
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D3D_UNIT_X (X=1-9 HHM)

Variable label	Unit of pay for HHM X's wage at main job (place with most hours each wk)
Items affecting eligibility	D1A
Original variables used	HH9_D3D_UNIT_X
Notes	<p>This set of variables captures the unit of payment at HHMs' job and is a direct response to survey item D3d:</p> <p>D3d. Is that per...?</p> <p>RECORD UNIT:</p> <ol style="list-style-type: none"> 1. Per hour 2. Per day 3. Per week 4. Bi-weekly 5. Per month 6. Per year 7. Other 8. Don't know/Refused <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1A.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Per hour	3,894
2	Per day	176
3	Per week	564
4	Bi-weekly	263
5	Per month	468
6	Per year	2,261
7	Other	99
8	Don't Know/Refused	1,419
.	Missing	68,040
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D3D_WAGE_TC_X (X=1-9 HHM)

Variable label	Amount HHM X was paid at main job (place with most hours each week)
Items affecting eligibility	D1A
Original variables used	HH9_D3D_WAGE_X (X=1-15 HHM)
Notes	<p>This set of variables indicates how much the reported individual was compensated is a direct response to survey item D5d:</p> <p>D3d. bout how much are you paid at that job? [FILL D2 JOB NAME] RECORD WAGE: _____ D3d. Is that per...?</p> <p>RECORD UNIT:</p> <ol style="list-style-type: none">1. Per hour2. Per day3. Per week4. Bi-weekly5. Per month6. Per year7. Other8. Don't know/Refused <p>HH9_D3d_WAGE_X was top coded by wage unit (HH9_D3d_UNIT_X). Individuals who reported an income amount at the top 1%, or the top 10 cases, if the top 1% for the unit is less than 10 observations, will be top coded. The median income amount of all the cases to be top coded is used to replace the income amounts of each observation.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	22824.71
10th	11.00
25th	15.00
75th	40000.00
90th	80000.00
Min	0.00
Max	300000.00
-4 (Don't Know/Refused/No Answer): Frequency	1,662

HH9_D4_EVERWRK_X (X=1-9 HHM)

Variable label	Whether HHM X has ever worked for pay (if R was not working last week)
Items affecting eligibility	D1A
Original variables used	HH9_D4_EVERWRK_X
Notes	<p>This set of variables captures if HHMs ever worked for pay and is a direct response to survey item D4:</p> <p>D4. [Have you/has he/she] ever worked for pay?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and who indicated that they did not do any work the previous week in survey item D1a.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	3,020
2	No	1,112
3	Don't Know/Refused/No Answer	139
.	Missing	72,913
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs

HH9_D5B_LASTWRKMOYR_R_X (X=1-9 HHM)

Variable label	When HHM X last worked (if HHM X was not working last wk): year, mo. as dec.
Original variables used	HH9_D5B_LASTWRKMO_X, HH9_D5B_LASTWRKYR_X
Notes	HH9_D5b_LASTWRKMOYR_R_X captures the last year and month HHM X last worked. It is in the format nnnn.zz, which is the sum of the four digit year YYYY and the fraction MM/12, where MM is the numeric equivalent of the month, e.g. if September 2018 is the last time HHMM X worked then the variable value is $2018 + 9/12 = 2018.75$. If HHM X is currently working then the variable value is 9999.99.
The dec. in the variable label refers to the values being recorded as decimals.	

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2663.14
10th	2009.25
25th	2014.50
75th	2019.08
90th	2019.42
Min	1900.08
Max	9999.99

HH9_D5C_HOUR_X (X=1-9 HHM)

Variable label	How many hours HHM X worked at last job (if HHM X was not working last week)
Items affecting eligibility	D1A, D4
Original variables used	HH9_D5C_HOUR_X
Notes	<p>This set of variables captures how many hours HHMs usually worked at their last job each week and is a direct response to survey item D5c:</p> <p>D5c. About how many hours [did/do] [you/he/she] usually work at that job each week [when [you/he/she] stopped working there]? Would you say it was less than 15, between 15 and 30, or more than 30 hours per week?</p> <ol style="list-style-type: none">1. Less than 152. 15 to 303. More than 304. Don't know/Refused <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1a.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Less than 15 hours	309
2	15 to 30 hours	754
3	More than 30 hours	1,924
4	Don't Know/Refused	33
.	Missing	74,164
Total		77,184

HH9_D5D_WAGE_TC_X (X=1-9 HHM)

Variable label	Amount HHM X was paid at last job (if HHM X was not working last week)
Items affecting eligibility	D1A, D4
Original variables used	HH9_D5D_WAGE_X (X=1-9 HHM)
Notes	<p>This set of variables indicates how much the reported individual was compensated at their previous job and is a direct response to survey item D5d:</p> <p>D5d. About how much (were you/was he/she/are you) paid at that job? Your best estimate is fine.</p> <p>AMOUNT:</p> <p>_____</p> <p>-4. Don't Know/Refused</p> <p>Top coding of HH9_D5d_WAGE_X was applied to individuals who reported a high income number by unit (HH9_D5d_UNIT_X), also reported in D5d- at the top 1%) or to the top 10 cases, if the top 1% is less than 10 cases. The wage of the cases in the top 1% or top 10 was replaced with the median of the wages of all the cases in this group.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	6549.09
10th	9.00
25th	11.00
75th	300.00
90th	28000.00
Min	0.00
Max	164000.00
-4 (Don't Know/Refused/No Answer): Frequency	343

HH9_D5D_UNIT_X (X=1-9 HHM)

Variable label	Unit of HHM X's hourly wage at last job (if HHM X was not working last week)
Items affecting eligibility	D1A, D4
Original variables used	HH9_D5D_UNIT_X (X=1-15 HHM)
Notes	<p>This set of variables indicates the unit of which compensation of HHM X in survey item D5d was reported.</p> <p>PER UNIT OF TIME</p> <ol style="list-style-type: none">1. Per hour2. Per day3. Per week4. Bi-weekly5. Per month6. Per year7. Other8. Don't know/Refused <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Per hour	1,848
2	Per day	79
3	Per week	239
4	Bi-weekly	71
5	Per month	151
6	Per year	318
7	Other	36
8	Don't Know/Refused	278
.	Missing	74,164
Total		77,184

*Count represents the sum of responses across the nine loops of HHMs.

HH9_D9A_CCAREDAY

Variable label	Num of days in past month HHM worked from home for child-care related reason
Items affecting eligibility	C2, D1A
Original variables used	HH9_D9A_CCAREDAY
Notes	<p>This variable captures how many days the past month that HHMs worked from home for a child-care related reason and is a direct response to survey item D9a:</p> <p>D9a.</p> <p>How many days in the past month did [one of] you work from home for a child-care related reason, such as wanting to stay nearby for a sick child, you didn't have a child-care arrangement in place, or your child-care provider was sick?</p> <p>DAYS: _____</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.84
10th	0.00
25th	0.00
75th	0.00
90th	2.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	90

HH9_D10_DAYMISSED

Variable label	Number of work days HHM has missed in past 3 months (excl. holidays/vacation)
Items affecting eligibility	C2, D1A
Original variables used	HH9_D10_DAYMISSED
Notes	<p>This variable captures how many days of work HHMs have missed in the last 3 months and is a direct response to survey item D10:</p> <p>D10. During the past 3 months, how many days of work have [one of] you missed for any reason? Don't include scheduled holidays or vacation days.</p> <p>DAYS: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2.27
10th	0.00
25th	0.00
75th	2.00
90th	5.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	93

HH9_D10A_CCAREMISS

Variable label	Number of work days HHM missed (in D10) because HHM's prov was sick/on vacation
Items affecting eligibility	C2, D1A, D10
Original variables used	HH9_D10A_CCAREMISS
Notes	<p>This variable captures how many days of work HHMs missed in the past 3 months because their provider was sick or on vacation and is a direct response to survey item D10a:</p> <p>D10a. How many of these days did [one of] you miss because your provider was sick or on vacation?</p> <p>DAYS: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.66
10th	0.00
25th	0.00
75th	0.00
90th	2.00
Min	0.00
Max	31.00
-4 (Don't Know/Refused/No Answer): Frequency	12

HH9_D10B_KIDSICK

Variable label	Number of work days HHM missed (in D10) because a child was sick
Items affecting eligibility	C2, D1A, D10
Original variables used	HH9_D10B_KIDSICK
Notes	<p>This variable captures how many days of work HHMs missed in the past 3 months because a child in their household was sick and is a direct response to survey item D10b:</p> <p>D10b. How many days did [one of] you miss because a child was sick and had to stay home?</p> <p>DAYS: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.90
10th	0.00
25th	0.00
75th	2.00
90th	5.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	9

HH9_D10C_MISSNOPAY

Variable label	Whether any HHM lost any pay because of missed work (D10A>0 or D10B>0)
Items affecting eligibility	C2, D1A, D10, D10A, D10B
Original variables used	HH9_D10C_MISSNOPAY
Notes	<p>This variable captures whether a HHM lost pay because of missed work and is a direct response to survey item D10c:</p> <p>D10c. Did that person lose any pay because of missed work?</p> <ol style="list-style-type: none">1. Yes2. No <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1a and by respondents who indicated they missed more than 0 days in survey item D10.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	1,002
2	No	1,091
.	Missing	6,483
Total		8,576

*Count represents the number of households in each category

HH9_D11_DAYLATE

Variable label	Num of days in past 3 mos HHM was late/had to leave work early for any reason
Items affecting eligibility	C2, D1A
Original variables used	HH9_D11_DAYLATE
Notes	<p>This variable captures how many days the past 3 months HHMs got to work late or had to leave early and is a direct response to survey item D11:</p> <p>D11. During the past 3 months, how many days did [one of] you get to work late or have to leave early for any reason?</p> <p>DAYS: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.94
10th	0.00
25th	0.00
75th	2.00
90th	5.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	147

HH9_D11A_DAYEARLY

Variable label	Num of days (in D11) HHM was late/left early due to child care
Items affecting eligibility	C2, D1A, D11
Original variables used	HH9_D11A_DAYEARLY
Notes	<p>This variable captures how many days the past 3 months HHMs got to work late or had to leave early because of child care responsibilities and is a direct response to survey item D11a:</p> <p>D11a. How many of these days did [one of] you get to work late or leave early because of child care responsibilities?</p> <p>DAYS: _____ -1. Don't know/Refused</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2.99
10th	0.00
25th	0.00
75th	3.00
90th	6.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	13

HH9_D11B_DAYLOSEPAY

Variable label	Whether any HHM (in D11) lost any pay because late/left early
Items affecting eligibility	C2, D1A, D11
Original variables used	HH9_D11B_DAYLOSEPAY
Notes	<p>This variable captures whether a HHM lost pay due to getting to work late or leaving and is a direct response to survey item D11b:</p> <p>D11b. Did that person lose any pay because of getting to work late or leaving early?</p> <ol style="list-style-type: none">1. Yes2. No <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1A and who indicated that they got to work late or left early because of child care responsibilities for more than 0 days in survey item D11a.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	604
2	No	835
.	Missing	7,137
Total		8,576

*Count represents the number of households in each category

HH9_D12_DAYSPEC

Variable label	Num of days HHM made special arrangements in past 3 mos bc prov was sick/unavail
Items affecting eligibility	C2, D1A
Original variables used	HH9_D12_DAYSPEC
Notes	<p>This variable captures how many days in the last 3 months HHMs had to make special arrangement for a child's care because a provider was sick or unavailable and is a direct response to survey item D12:</p> <p>D12. Approximately how many days in the last 3 months did [one of] you have to make special arrangements for [CHILD]'s care because a provider was sick or unavailable? Don't count days that were holidays anyway.</p> <p>DAYS: _____ -1. Don't know/Refused</p> <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1a.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Statistic	Unweighted
Mean	0.58
10th	0.00
25th	0.00
75th	0.00
90th	2.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	77

HH9_D13_DAYSPEC_OTH

Variable label	Num of days HHM made special arrangements for care in past 3 mos for oth reason
Items affecting eligibility	C2, D1A
Original variables used	HH9_D13_DAYSPEC_OTH
Notes	<p>This variable captures how many days in the last 3 months HHMs had to make special arrangement for some other reason and is a direct response to survey item D13:</p> <p>D13. Approximately how many days in the last 3 months did [one of] you have to make special arrangements for [CHILD]'s care for some other reason (for example, a child was sick, transportation broke down, or any other reason)? Don't count days that were holidays anyway.</p> <p>DAYS: _____ -1. Don't know/Refused</p> <p>This question was only answered by respondents who indicated the HHM is a child's parent or parent's spouse and indicated that the HHM did any work for pay in survey item D1a.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.73
10th	0.00
25th	0.00
75th	0.00
90th	2.00
Min	0.00
Max	90.00
-4 (Don't Know/Refused/No Answer): Frequency	94

HH9_D15_FLEXACCT

Variable label	R/R's spouse take part in pre-tax flexible spending acct to pay for child care
Items affecting eligibility	D1A
Original variables used	HH9_D15_FLEXACCT
Notes	<p>This variable captures if the respondent or spouse participate in cafeteria-style flexible spending account (i.e. allowed to choose from a variety of options) at work in order to pay for child care expenses and is a direct response to survey item D15:</p> <p>D15. Do you or your spouse participate in a cafeteria-style flexible spending account at work so that you can pay for child care expenses out of pre-tax income?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>This question was only answered by respondents who indicated that they or their spouse is employed in survey item D1a1.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	408
2	No	6,217
3	Don't Know/Refused/No Answer	95
.	Missing	1,856
Total		8,576

*Count represents the number of households in each category

7. PARENTAL EMPLOYMENT – HOURS WORKED

The variables in this section were based on the adult calendar from the regular questionnaire or equivalent survey items about hours spent at work from the summer questionnaire, for which calendar data were not collected. These variables summarize the hours spent in work-related activities by the parents or guardians of each child in the household. The “WST_HRS” series of variables summarize the standard (8AM to 6PM, Monday through Friday) and non-standard hours in the reference week spent in work-related activities by parents or guardians with the most and second-most total hours in work-related activities. The “ALLP” series of variables summarize the number of hours in the reference week during which all parents of a child were in work-related activities. Please see the documentation for each variable below for more details.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_WST_PARCH_HI_X (X=1-9 CHILDREN)	Indicates the HHM number of the parent (of Child X) with the most total hours in work-related activities (work, school, training, commuting) during last week
HH9_WST_PARCH_LO_X (X=1-9 CHILDREN)	Indicates the HHM number of the parent (of Child X) with the second most total hours in work-related activities (work, school, training, commuting) during last week
HH9_WST_HOURS_TOT_PHI_X (X=1-9 CHILDREN)	Number of total hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours in work-related activities
HH9_WST_HOURS_TOT_PLO_X (X=1-9 CHILDREN)	Number of total hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours in work-related activities
HH9_WST_HOURS_STD_PHI_X (X=1-9 CHILDREN)	Number of standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours (standard and non-standard hours) in work-related activities
HH9_WST_HOURS_STD_PLO_X (X=1-9 CHILDREN)	Number of standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours (standard and non-standard hours) in work-related activities
HH9_WST_HOURS_NSTD_PHI_X (X=1-9 CHILDREN)	Number of non-standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours (standard and non-standard hours) in work-related activities
HH9_WST_HOURS_NSTD_PLO_X (X=1-9 CHILDREN)	Number of non-standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours (standard and non-standard hours) in work-related activities
HH9_ALLP_WST_HOURS_TOT_X (X=1-9 CHILDREN)	Number of total hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week
HH9_ALLP_WST_HOURS_STD_X (X=1-9 CHILDREN)	Number of standard hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week
HH9_ALLP_WST_HOURS_NSTD_X (X=1-9 CHILDREN)	Number of non-standard hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week

HH9_WST_PARCH_HI_X (X=1-9 CHILDREN)

Variable label	Indicates the HHM number of the parent (of Child X) with the most total hours in work-related activities (work, school, training, commuting) during last week
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	<p>In case of a tie for defining the parent with the highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster (e.g. HHM = 4 < HHM 5) is selected.</p> <p>The number of hours worked by this parent (HI) is stored in the following variables (which are defined below):</p> <ul style="list-style-type: none"> • HH9_WST_HRS_STD_PHI_X • HH9_WST_HRS_NSTD_PHI_X • HH9_WST_HRS_TOT_PHI_X

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.45
10th	1.00
25th	1.00
75th	2.00
90th	2.00
Min	1.00
Max	8.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	5
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_WST_PARCH_LO_X (X=1-9 CHILDREN)

Variable label	Indicates the HHM number of the parent (of Child X) with the second most total hours in work-related activities (work, school, training, commuting) during last week
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	<p>In case of a tie for defining the parent with the second highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster HHM number is selected.</p> <p>The number of hours worked by this parent (LO) is stored in the following variables (which are defined below):</p> <ul style="list-style-type: none"> • HH9_WST_HRS_STD_PLO_X • HH9_WST_HRS_NSTD_PLO_X • HH9_WST_HRS_TOT_PLO_X

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.48
10th	1.00
25th	1.00
75th	2.00
90th	2.00
Min	1.00
Max	7.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	1
-9 (Child only has one parent in the household): Frequency	6,791
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_WST_HRS_TOT_PHI_X (X=1-9 CHILDREN)

Variable label	Number of total hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is chosen first. The HHM number with the highest total number of hours is recorded in variable HH9_WST_PARCH_HI_X.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	35.52
10th	0.00
25th	10.00
75th	50.00
90th	60.00
Min	0.00
Max	168.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	11
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_WST_HRS_TOT_PLO_X (X=1-9 CHILDREN)

Variable label	Number of total hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the second highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is selected. The HHM number with the second highest total number of hours is recorded in variable HH9_WST_PARCH_LO_X.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	16.31
10th	0.00
25th	0.00
75th	35.00
90th	44.00
Min	0.00
Max	102.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	1
-9 (Child only has one parent in the household): Frequency	6,791
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_WST_HRS_STD_PHI_X (X=1-9 CHILDREN)

Variable label	Number of standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours (standard and non-standard hours) in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is selected. The HHM number with the highest total number of hours is recorded in variable HH9_WST_PARCH_HI_X.
Standard hours include 8AM to 6PM, Monday through Friday.	

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	26.50
10th	0.00
25th	0.00
75th	42.50
90th	47.50
Min	0.00
Max	50.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	23
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,235

HH9_WST_HRS_STD_PLO_X (X=1-9 CHILDREN)

Variable label	Number of standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours (standard and non-standard hours) in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the second highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is selected. The HHM number with the second highest total number of hours is recorded in variable HH9_WST_PARCH_LO_X.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	12.98
10th	0.00
25th	0.00
75th	29.50
90th	40.00
Min	0.00
Max	50.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	3
-9 (Child only has one parent in the household): Frequency	6,791
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,218

HH9_WST_HRS_NSTD_PHI_X (X=1-9 CHILDREN)

Variable label	Number of non-standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the most total hours (standard and non-standard hours) in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is selected. The HHM number with the highest total number of hours is recorded in variable HH9_WST_PARCH_HI_X.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	9.06
10th	0.00
25th	0.00
75th	14.00
90th	27.50
Min	0.00
Max	118.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	29
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_WST_HRS_NSTD_PLO_X (X=1-9 CHILDREN)

Variable label	Number of non-standard hours in work-related activities (work, school, training, commuting) during last week for the parent (of Child X) with the second most total hours (standard and non-standard hours) in work-related activities
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	In case of a tie for defining the parent with the second highest number of total hours in work-related activities, the parent with the lower number in the enumeration of the household roster is selected. The HHM number with the second highest total number of hours is recorded in variable HH9_WST_PARCH_LO_X.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	3.35
10th	0.00
25th	0.00
75th	2.50
90th	12.50
Min	0.00
Max	52.00
-10 (At least one parent of the child has at least one missing block in the calendar): Frequency	3
-9 (Child only has one parent in the household): Frequency	6,791
-8 (Child does not have parents in the household): Frequency	431
-7 (No Child X): Frequency	61,203

HH9_ALLP_WST_HRS_TOT_X (X=1-9 CHILDREN)

Variable label	Number of total hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	This set of variables is only available for children with 1 or 2 parents.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	15.98
10th	0.00
25th	0.00
75th	35.00
90th	45.00
Min	0.00
Max	168.00
-8 (Child does not have parents in the household): Frequency	230
-7 (No Child X): Frequency	61,771
-6 (At least one parent of the child has at least one missing block in the calendar): Frequency	5
-5 (Child has more than two parents in the household): Frequency	51

HH9_ALLP_WST_HRS_STD_X (X=1-9 CHILDREN)

Variable label	Number of standard hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	This set of variables is only available for children with 1 or 2 parents.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	13.34
10th	0.00
25th	0.00
75th	30.00
90th	40.00
Min	0.00
Max	50.00
-8 (Child does not have parents in the household): Frequency	230
-7 (No Child X): Frequency	61,840
-6 (At least one parent of the child has at least one missing block in the calendar): Frequency	5
-5 (Child has more than two parents in the household): Frequency	51

HH9_ALLP_WST_HRS_NSTD_X (X=1-9 CHILDREN)

Variable label	Number of non-standard hours when all parents (of Child X) are in work-related activities (work, school, training, commuting) during last week
Original variables used	HH9_PARCH_X_Y, HH9_ADCAL_X_Y
Notes	This set of variables is only available for children with 1 or 2 parents.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2.70
10th	0.00
25th	0.00
75th	0.00
90th	9.00
Min	0.00
Max	118.00
-8 (Child does not have parents in the household): Frequency	230
-7 (No Child X): Frequency	61,771
-6 (At least one parent of the child has at least one missing block in the calendar): Frequency	5
-5 (Child has more than two parents in the household): Frequency	51

8. TYPE OF CARE

Type of care is a derived construct that relies on reported information about different characteristics of the child-provider pair, also known as care arrangement, or arrangement for short. Respondents did not report the type of care children use as a single item in the questionnaire. Instead, once the data were collected and during the data file preparation phase, a variety of data were used to classify each arrangement into a type of care. These include information from the respondent about:

- ▶ care arrangements for each child under age 13 throughout the week prior to the interview
- ▶ reports on ECE providers who usually care for their child at least five hours weekly, but did not do so in the prior week
- ▶ whether the provider was an individual or an organization;
- ▶ the regularity of that care (i.e., whether or not it usually occurs at least 5 hours weekly);
- ▶ what personal relationship, if any, the household had with an individual provider prior to the establishment of an ECE arrangement;
- ▶ whether or not an individual provider is paid for ECE;
- ▶ the child's age
- ▶ whether or not the care was drop-in, single activity, or for regular elementary or middle schooling.

Together, these data informed our assignment of nine types of care: eight types of non-parental care (types 1-8), as well as one additional type of care, parental care (type 9). These types of care are listed in the table below. The table also includes “parental care” as a category (type 9). The parental care category is used in variables that summarize the use of each type of care during the reference week (HH9_NPC_HRSWEEK_TOCP and HHC9_NPC_HRSWEEK_TOCP_X), in order to completely account for children's time in a week. Respondents reported only children's time in non-parental care; during undesignated time, we infer children are in parental care (see “Child Calendar” section).

K-8 elementary/middle schooling is also included for comprehensiveness and to provide a comparison point. Schooling is not typically thought of as a type of non-parental care, but is a situation in which many children under age 13 spend a dominant proportion of their non-parental time. Types 1-5 are described as categories of “Regular ECE.” Type 4 is restricted to children 5 years and under. All other types of care are defined for children 0-13 years old.

Exhibit 5.1 Types of Care: Non-parental and Parental Care

Type of Care	Definition	Examples
1. Individual, No prior relationship, Paid	An individual with whom the respondent had no prior personal relationship receives payment for caring for the child and cares for the child at least 5 hours weekly.	A family child care provider or a babysitter who was previously unknown to the family.
2. Individual, Prior relationship, Paid	An individual with whom the respondent had a prior personal relationship receives payment for caring for the child and cares for the child at least 5 hours weekly.	A grandparent who receives payment from the parents for the care s/he provides, or a family member who receives a child care subsidy for caring for a child.
3. Individual, Unpaid	An individual who does not receive payment for caring for the child, but provides care at least 5 hours weekly. The individual may or may not have a prior personal relationship with the respondent, although in almost all cases there was such a prior relationship.	A grandparent who cares for her grandchild without receiving payment, or an adult sibling who lives in the same household and looks after a younger sibling after school.
4. Center-based ECE	This type of care corresponds to the providers in the Center-Based Provider Sample. It includes all Head Starts, Public Pre-Kss, community-based child care, or any other care that is not drop-in or single activity, and occurs at least 5 hours weekly. This type of care is reserved for children under age 72 months.	Head Starts, Public Pre-Ks, or community-based child care for 5 or more hours a week and for children 5 years and under.
5. Other Organizational ECE	This type of care includes any regular organizational care not included in type of care 4 above.	After-school care to school-age children, drop-in or single-activity care or lessons, church child care during services, recreational activities, etc.
6. K-8 schooling	Not a type of ECE. Elementary schooling kindergarten through grade 8 during the school day, whether in a public or private setting. The same organization may also provide type of care 5 above outside of the school day. This type of care is reserved for children aged 60 months or above.	Public or private K-8 schools.

Type of Care	Definition	Examples
7. Irregular ECE	Provider cares for child fewer than 5 hours weekly, may otherwise meet the requirements for any of categories 1 through 5 above.	Any individual or organization that cares for child for fewer than 5 hours per week. Same examples as types of care 1 through 5, as long as they occur for 4 or less hours per week.
8. All other setting unknown	Regular ECE setting, but we have inadequate information to assign the provider to one of the categories 1-6.	Regular ECE setting that we were not able to match to types 1-6, generally due to incomplete or inconsistent information.
9. Parental Care	Used only in the child calendar to indicate time slots not assigned to a non-parental care provider.	

Although many of these data points were collected at the provider level for the household, it is possible for a provider's type of care to vary across different children within the household. For example, one sibling may be attending 4th grade (regular school, type 6) with a provider that is marked as center-based ECE (type 4) for younger sibling who attends preschool with the same provider. The arrangement-level type of care variables (HH9_TYPEOFCARE_AGG_X_Y (X=1-9 children, Y=1-14 providers) make this differentiation across children in the household. The variable HH9_CHILDREN_X_Y associates each child with his or her provider(s) to allow researchers to identify which children in the household share a provider.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_TYPEOFCARE_AGG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Aggregated type of care summary for Provider Y, Child X
HH9_PTYPE_Y (Y=1-14 PROVIDERS)	Provider Y type
HH9_CHILDREN_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Match between Provider Y caring for Child X
HH9_LASTWEEK_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y provided care last week
HH9_REGCARE_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y has provided at least 5 hours of care to Child X at some point
HH9_INDIVPROV_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was individual (including family day care) or an organization
HH9_PRIORREL_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y had prior relationship with R
HH9_SCHOOL_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was a school attended by Child X
HH9_DROPIN_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y provided drop in care
HH9_SINGLEACT_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y provided single activity
HH9_CARELOC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y provided care for Child X in the R's home

Variable Name	Variable Description
HH9_PAID_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was paid for providing care to Child X
HH9_HEADSTART_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was a Head Start provider to Child X
HH9_HHMPROV_Y (Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was a HH member
HH9_KINDERG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was a kindergarten provider to Child X
HH9_PUBPREK_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type: Whether Provider Y was a Public Pre-K provider to Child X
HH9_BPQUALFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Type of care provider quality flag for Child X and Provider Y
HH9_BPSOURCEFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Provider type source of Child X-Provider Y pair
HH9_FLAG_AGE_IMPUTE_X (X=1-9 CHILDREN)	Flag: Missing HH9_A1C_BMO_X for Child X
HH9_CAREFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Flag: Provider Y caring for Child X in calendar and/or roster
HH9_PCONLY	HH uses parental care only
HH9_NPC_USEREGPROVIDER	Whether household uses a regular provider
HHC9_NPC_USEREGPROVIDER_X (X=1-9 CHILDREN)	Whether Child X uses a regular provider
HH9_RELATIONS_CARE	Proximity of relative(s) & their ability/willingness to provide care
HH9_RELATIONS_NEAR	Relative(s) live within 45 minutes of R's child's home
HH9_RELATIONS_UNPAID	Relative(s) nearby able to provide care without pay (except transport)
HH9_RELATIONS_PAID	Relative(s) nearby able to provide care with pay

HH9_TYPEOFCARE_AGG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Aggregated type of care summary for Provider Y, Child X
Original variables used	HH9_TYPEOFCARE_X_Y series.
Notes	<p>Two main data sources were used to classify each arrangement (child-provider pair) into a type of care.</p> <p>These sources include information from the respondent about:</p> <ul style="list-style-type: none">• whether the provider was an individual or an organization; the regularity of that care• what relationship, if any, the household had with an individual provider prior to the establishment of an ECE arrangement• whether or not an individual provider is paid for ECE• the child's age• whether or not the care was drop-in, single activity, or for regular elementary or middle schooling <p>And information from the provider sampling frame constructed for the NSECE provider surveys, including:</p> <ul style="list-style-type: none">• the street address of the provider• the type of care associated with that address in state and national administrative lists of ECE providers <p>Although many of these data points were collected at the provider level for the household, it is possible for a provider's type of care to vary across different children within the household. For example, one sibling may be attending 4th grade (regular school, code 6) with a provider that is marked as Head Start (code 4) for another sibling.</p> <p>We caution data users against using only this set of variables to identify Head Start and/or Public Pre-K participation; this set of variables is recommended to be used only in conjunction with other variables for that type of analysis.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
1	Individual, no prior relationship, regular and paid	555
2	Individual, prior relationship, regular, paid	1,003
3	Individual, unpaid, regular, regardless of prior relationship status	5,138
4	Center-based HS, PreK, community-based	1,667
5	Other organizational ECE, regular	1,187
6	K-8 schooling	6,234
7	Irregular ECE, home-based or center/organizational	2,959
8	All other setting unknown	262
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_PTYPE_Y (Y=1-14 PROVIDERS)

Variable label	Provider Y type
Notes	<p>The Y in variables HH9_PTYPE_Y (Y=1-14 providers) enumerates up to 14 different providers who care for children in a household. The value of variables HH9_PTYPE_Y identifies the specific providers, 1st-14th provider who cares for any child in the household, indicating:</p> <ul style="list-style-type: none"> whether that provider is a HHM and the loop that corresponds to that particular HHM (HHM loop from 1 to 15) whether the provider was added at C1a and the specific order in which the provider was added at C1a (or C4_S for respondents administered the summer questionnaire) whether the provider is a not-last-week provider added at C3/C4 and the order in which that provider was added at C3/C4 whether the provider is a non-resident parent <p>The numbers 1-14 in the variable name index providers, whereas the values 1-15 of the variables index household members (as we point out in the text “HHM loop from 1 to 15”). For example, HH9_PTYPE_2 = 3 means that the second provider on the provider roster is a household member listed in position number 3 on the household member roster.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Data unavailable	104,948
2	Provider is a HHM; HH roster number matches 1-15 value	355
3	Provider is a HHM; HH roster number matches 1-15 value	408
4	Provider is a HHM; HH roster number matches 1-15 value	117
5	Provider is a HHM; HH roster number matches 1-15 value	43
6	Provider is a HHM; HH roster number matches 1-15 value	13
7	Provider is a HHM; HH roster number matches 1-15 value	5
8	Provider is a HHM; HH roster number matches 1-15 value	2
9	Provider is a HHM; HH roster number matches 1-15 value	2
16	Provider added at C1a (for regular quex) or C4_S (for summer quex)	4,755
17	Provider added at C1a (for regular quex) or C4_S (for summer quex)	3,437
18	Provider added at C1a (for regular quex) or C4_S (for summer quex)	1,624
19	Provider added at C1a (for regular quex) or C4_S (for summer quex)	696
20	Provider added at C1a (for regular quex) or C4_S (for summer quex)	242
21	Provider added at C1a (for regular quex) or C4_S (for summer quex)	103
22	Provider added at C1a (for regular quex) or C4_S (for summer quex)	48

Code	Response	Unweighted Frequency
23	Provider added at C1a (for regular quex) or C4_S (for summer quex)	25
24	Provider added at C1a (for regular quex) or C4_S (for summer quex)	14
25	Provider added at C1a (for regular quex) or C4_S (for summer quex)	5
26	Provider added at C1a (for regular quex) or C4_S (for summer quex)	4
27	Provider added at C1a (for regular quex) or C4_S (for summer quex)	1
28	Provider added at C1a (for regular quex) or C4_S (for summer quex)	1
31	Provider is a not-last-week provider added at C3/C4	187
32	Provider is a not-last-week provider added at C3/C4	291
33	Provider is a not-last-week provider added at C3/C4	298
34	Provider is a not-last-week provider added at C3/C4	244
35	Provider is a not-last-week provider added at C3/C4	179
36	Provider is a not-last-week provider added at C3/C4	94
37	Provider is a not-last-week provider added at C3/C4	55
38	Provider is a not-last-week provider added at C3/C4	25
39	Provider is a not-last-week provider added at C3/C4	12
40	Provider is a not-last-week provider added at C3/C4	6
41	Provider is a not-last-week provider added at C3/C4	5
42	Provider is a not-last-week provider added at C3/C4	4
43	Provider is a not-last-week provider added at C3/C4	1
44	Provider is a not-last-week provider added at C3/C4	1
46	Provider is a non-resident parent	1,589
47	Provider is a non-resident parent	194
48	Provider is a non-resident parent	24
49	Provider is a non-resident parent	6
50	Provider is a non-resident parent	1
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_CHILDREN_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Match between Provider Y caring for Child X
Notes	This set of variables associates each child with his or her provider(s) to allow researchers to identify relationships between children and providers, as well as which children in the household share a provider.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	There is no Provider Y, Child X, or neither Provider X nor Child Y	1,049,180
0	Provider Y does not care for Child X	12,391
1	Provider Y cares for Child X	19,005
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_LASTWEEK_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y provided care last week
Original variables used	HH9_PTYPE_Y
Notes	Values for HH9_PTYPE_Y between 1 and 30 are classified as “last week” providers, except for households administered the summer questionnaire, in which case the reference week is “a typical week in May”. See the codeframe for HH9_PTYPE_Y for more information.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
0	Regular but not last week provider	3,216
1	Last week provider	11,900
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_REGCARE_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Wthr Prov Y has provided at lst 5 hrs of care to chd X at some pt
Original variables used	HH9_CHILDREN_X_Y, HH9_PTYPE_Y HH9_C9_M_REGCARE_X_Y, HH9_SCHOOL_X_Y, HH9_SUMMERQUEX
Notes	Variable was defined using C4B when possible. C9 was used where this information was available. There are cases where neither variable provided adequate information. Other variables were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Unable to determine	891
-1	Don't Know/Refused	71
0	Not Regular Care provider (< 5 hours per week)	2,957
1	Regular Care provider (>=5 hours per week)	15,086
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_INDIVPROV_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether prov X was individual (incl. family day care)/organization
Original variables used	HH9_C5A_TYPE, HH9_PTYPE
Notes	Responses from C5A and HH9_PTYPE_Y were used to determine if providers were individuals. Other variables were used to define reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
-1	Don't Know/Refused/Skip C5-C9	209
0	Organization	7,693
1	Individual (including family day care)	7,214
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_PRIORREL_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y had prior relationship with R
Original variables used	HH9_C5C_RLTIONSHP, HH9_PTYPE_Y, HH9_C5A_TYPE, HH9_INDIVPROV_Y
Notes	Prior relationship was determined using C5c where possible. If C5c did not provide prior relationship it was determined or inferred using C5a and HH9_PTYPE_Y. Other variables were used to define reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
-1	Don't Know/Refused/Skip C5-C9	234
0	No prior relationship	8,277
1	Yes, prior relationship	6,498
2	Inferred no relationship (individual with family daycare)	107
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_SCHOOL_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y was a school attended by Child X
Original variables used	HH9_INDIVPROV_Y, HH9_C8A_M, HHC9_AGE_X
Notes	School status was determined using C8a and child's age. Other variables were used to define reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Not defined for provider type	9,007
-1	Don't Know/Refused/Skip C5-C9	4,614
0	Not a school arrangement	2,079
1	School arrangement	3,305
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_DROPIN_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y provided drop in care
Original variables used	HH9_PTYPE_Y, HH9_C8_4, HH9_INDIVPROV_Y
Notes	Drop in status was determined using C8_4, all other variable were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
-2	Not defined for individuals	7,319
-1	Don't Know/Refused/Skip C5-C9	67
0	Non-drop-in	7,345
1	Drop-in	385
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_SINGLEACT_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y provided single activity
Original variables used	HH9_PTYPE_Y, HH9_C8_3, HH9_INDIVPROV_Y
Notes	Single activity status was determined using C8_3, all other variable were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
-2	Not defined for individuals	7,319
-1	Don't Know/Refused/Skip C5-C9	343
0	Non-single activity	6,309
1	Single activity	1,145
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_CARELOC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y provided care for Child X in the R's home
Original variables used	HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HH9_HHMPROV_Y
Notes	Location was determined using questions C4a, C5d, and other information about the provider, such as whether the provider was a HHM or a listed home-based provider.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Not defined for provider type	9,753
-1	Don't Know/Refused	168
0	Care not in R's home	5,324
1	Care in R's home	3,760
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_PAID_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y was paid for providing care to Child X
Original variables used	HH9_CHILDREN_X_Y, HH9_J1_CHARGE_X_Y, HH9_C5E_Y, HH9_PTYPE_Y, HH9_PROVASKJ_X_Y
Notes	<p>Multiple variables from Section J, as well as C5e, were used to define this set of variables. Payment status may not always reconcile with cost of care and type of care variables, because this set of variables was coded based only on questionnaire responses, and does not incorporate auxiliary variables used to code cost of care and type of care variables.</p> <p>More complete information about payments by the household for an arrangement can be found in the variable series HH9_WEEKLY_COST_CARE_X_Y. Users are advised to identify unpaid arrangements using that arrangement-level cost of care variable and/or the type of care variable HH9_TYPEOFCARE_AGG_X_Y.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	No provider eligible for Section J	4,155
-1	Don't Know/Refused	129
0	Provider not paid by HH	10,972
1	Provider paid by HH	3,749
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_HEADSTART_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y was a Head Start provider to Child X
Original variables used	HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HHC9_AGE_X, HH9_C8_2_HEADSTRT_Y_X
Notes	Head Start status was determined using C8_2, all other variable were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-5	Not defined for individuals or children 72 months or older	16,122
-1	Don't Know/Refused	1,412
0	Not a Head Start program	1,239
1	Head Start program	232
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_HHMPROV_Y (Y=1-14 PROVIDERS)

Variable label	Prov type: Whether provider Y was a HHM
Original variables used	HH9_PTYPE_Y, HH9_C5D_INHH, HH9_INDIVPROV_Y
Notes	Household membership was determined first using HH9_PTYPE_Y (which has separate number ranges for HHMs and non-household providers) and then C5d. All other variable were used to determine reserve codes. Note that this set of variables also flags all live-in providers (from C5D) not considered HHM (PTYPE 1-15) as HHMs.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Provider Y	104,948
-2	Not Defined for non-individuals	7,693
-1	Don't Know/Refused/Skip C5-C9	209
0	Non-HHM	5,447
1	HHM	1,767
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_KINDERG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y was a kindergarten provider to Child X
Original variables used	HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HHC9_AGE_X, HH9_C8C_ENROLLK_Y_X
Notes	Kindergarten status was determined using C8c, all other variable were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-5	Not defined for individuals or children <54m or children >=72m	17,614
-1	Don't Know/Refused	335
0	Not a Kindergarten program	595
1	Kindergarten program	461
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_PUBPREK_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Prov type: Whether Provider Y was a Public Pre-K provider to Child X
Original variables used	HH9_CHILDREN_X_Y, HH9_INDIVPROV_Y, HHC9_AGE_X, HH9_C8_2_HEADSTRT_Y_X, HH9_C8C_ENROLLK_Y_X
Notes	Public Pre-K status was determined using C8_2, all other variable were used to determine reserve codes.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-5	Not defined for individuals or children 72 months or older	16,122
-1	Don't Know/Refused	1,412
0	Not a public pre-K program	1,158
1	Public pre-K program	313
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_BPQUALFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Type of care provider quality flag for Child X and Provider Y
Original variables used	HH9_C5A_TYPE_X
Notes	<p>This set of variables reports the extent to which the type of care information in the variable set HH9_TYPEOFCARE_AGG_X_Y can be verified in the provider lookup table.</p> <p>The most reliable type of care coding is when BPQUALFLAG=3. This value indicates that the provider reported by the respondent matches a provider in the provider look-up table, and that the program type (e.g., Head Start) reported by the respondent is also associated with the provider address in the provider lookup table.</p> <p>If BPQUALFLAG=2, then the sample frame confirms a provider at the provided address, but we could not verify from the sample frame that the type of care reported by the respondent (e.g., Public Pre-K) is associated with that address.</p> <p>If BPQUALFLAG=1, there is no address in the sample frame associated with the address provided by the respondent.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-1	Respondent not asked to select provider from PLU	5,603
0	Not coded (Not coded to PLU; No verbatim)	2,169
1	Can't confirm address in frame	2,851
2	Confirmed address but not provider type	1,497
3	Confirmed both address and provider type	6,885
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_BPSOURCEFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Provider type source of Child X-Provider Y pair
Original variables used	HH9_C5C_RLTIONSHP, HH9_C5A_TYPE_X, HH9_PTYPE, HH9_C8_2_HEADSTRT_X_Y, HH9_C8A_M_Y_X
Notes	<p>This set of variables provides further information about the quality of the type of care information in the variable set HH9_TYPEOFCARE_AGG_X_Y. The BPSOURCEFLAG variable indicates the sources from which the type of care assignment is made, with BPSOURCEFLAG=1 indicating the highest quality information. Increasing values indicate a greater degree of inference.</p> <p>When BPSOURCEFLAG=4, a type of care was inferred based on what the respondent indicated in section C, but without any ability to confirm the reported type (either through the provider frame or through additional online investigation).</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
0	All other setting unknown (i.e. TOC 8)	262
1	TOC based on type of service or program type reported by R	14,492
2	TOC based on info about prov type & location from prov frame / inferred from cal	3,732
3	TOC based on provider type inferred from provider name or web search results	470
4	TOC inferred from questionnaire	49
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_FLAG_AGE_IMPUTE_X (X=1-9 CHILDREN)

Variable label	Flag: Missing HH9_A1C_BMO_X for Child X
Original variables used	HH9_A1C_BMO_X
Notes	This flag identifies children who had missing information on month of birth (HH9_A1c_BMO_X). Because of missing information on HH9_A1c_BMO_X, month of birth was imputed.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	If month of birth is NOT imputed in HH9_A1C_BMO_X	15,443
1	If month of birth is imputed in HH9_A1C_BMO_X	538
Total		77,184

Count represents the sum of responses across the nine loops of children

HH9_CAREFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Flag: Provider Y caring for Child X in calendar and/or roster
Original variables used	CHCAL_R
Notes	<p>This set of variables associates each child with his or her provider(s) to allow researchers to identify relationships between children and providers, as well as which children in the household share a provider. It differs from HH9_CHILDREN_X_Y, which flags a care arrangement reported in the provider roster at the start of Section C, in that it also flags:</p> <ul style="list-style-type: none">• arrangements reported in the child calendar, but not in the roster• arrangements where care in the past week was reported, but such arrangements were not observed in the calendar <p>In this sense, HH9_CAREFLAG identifies a larger set of care relationships than HH9_CHILDREN; but users should note that respondents were only asked more detailed questions about a care arrangement if it was reported in the provider roster, and only such arrangements were assigned a type of care.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	There is no Provider Y, Child X, or neither Provider Y nor Child X	1,049,180
0	Provider Y does not care for Child X	11,491
1	Provider Y cares for Child X	15,923
2	Provider Y is not in roster for Child X but appears in calendar	900
3	Provider Y is a last week provider but did not appear in calendar	3,082
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_PCONLY

Variable label	HH uses Parental Care Only
Original variables used	HH9_C1A_LIST series
Notes	<p>This variable was developed using data collected in the childcare calendar which documented childcare use during the reference week.</p> <p>This variable has a value of 1 for households that used only parental care for the week childcare information was collected.</p> <p>Because HH9_TYPEOFCARE_AGG_X_Y cover all providers (not just those providing care during the week of interest), some households may have values of HH9_PCONLY=1 and also values of HH9_TYPEOFCARE_AGG_X_Y='all other setting unknown'. These are cases where there was no non-parental care in the last week, but non-parental care providers appear in the provider roster for the household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	HH does not use parental care only	6,221
1	HH uses parental care only	2,355
Total		8,576

*Count represents the number of households in each category

HH9_NPC_USEREGPROVIDER

Variable label	Whether household uses a regular provider
Original variables used	HH9_NPC_USETOCP
Notes	<p>This variable indicates if any child in the household uses a regular ECE provider. Regular ECE providers are defined as either type of care categories 1, 2, 3, 4, or 5.</p> <ul style="list-style-type: none">• Value 0 is assigned to households in which no child use a regular ECE provider.• Value 1 is assigned to households in which one or more children in the household use a regular ECE provider.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Household does not have a child that uses a regular provider	3,796
1	Household has a child that uses a regular provider	4,780
Total		8,576

*Count represents the number of households in each category

HHC9_NPC_USEREGPROVIDER_X (X=1-9 CHILDREN)

Variable label	Whether Child X uses a regular provider
Original variables used	HHC9_NPC_USETOCP_X
Notes	<p>This set of variables indicates if a child uses a regular ECE provider, defined as one assigned to type of care categories 1, 2, 3, 4, or 5</p> <p>1 = Individual, No prior relationship, Regular and Paid 2 = Individual, Prior relationship, Regular, Paid 3 = Individual, Unpaid, Regular, regardless of Prior Relationship status 4 = Center-based HS, PreK, Community-Based 5 = Other Organizational ECE, Regular</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	Household does not have a child that uses a regular provider	8,977
1	Household has a child that uses a regular provider	7,004
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_RELATIONS_CARE

Variable label Proximity of relative(s) & their ability/willingness to provide care

Original variables used HH9_B3_REL45, HH9_B3B_CAREFREE, HH9_B3C_CAREPAY

Notes This variable combined information about the geographic proximity of relatives and their capacity to provide care for any child in the household.

Respondents first reported if there were relatives of any child who lived within 45 minutes of the household. If there were relatives nearby, respondents reported if any of these relatives would be able to regularly care for children in the household with pay and/or without pay. Variables combine information from these specific variables in the household questionnaire:

- HH9_B3_REL45
- HH9_B3B_CAREFREE
- HH9_B3C_CAREPAY

If the respondent did not know if there was a relative within 45 minutes of the household then the variable is coded as a -3 for “Valid Skip”.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-3	Valid skip	115
-1	DK/REF if rel. nearby OR rel. nearby but unsure if able to provide paid care	101
0	Relative nearby but unable to provide care	1,571
1	Relative nearby and able to provide care	4,567
2	No relative nearby	2,222
Total		8,576

*Count represents the number of households in each category

HH9_RELATIONS_NEAR

Variable label Relative(s) live within 45 minutes of R's child's home

Original variables used HH9_B3_REL45_M

Notes This variable is a direct response of HH variable B3:

B3.
[Does your child/Do your children] have any relatives who live within 45 minutes of your child's home? Please include relatives on your side of the family as well as relatives of the child's other parent.
(IF NEEDED: Please report all relatives, even if they could not or would not provide care for a child.)

1. Yes
2. No
3. Don't know/Refused
4. IF VOLUNTEERED: Yes, but child has no relationship with them

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Don't Know/Refused/No Answer	115
0	No	2,222
1	Yes	6,239
Total		8,576

*Count represents the number of households in each category

HH9_RELATIONS_UNPAID

Variable label Relative(s) nearby able to provide care without pay (except transport)

Items affecting
eligibility B3

Original
variables used HH9_B3B_CAREFREE

Notes This variable is a direct recoding of HH variable B3b:

If the respondent did not know if there was a relative within 45 minutes of the household then the variable is coded as a -3 for "Valid Skip".

B3b.

Would any of these relatives be able to care for your child/children on a regular basis with no payment or only payment that covers transportation costs?

1. Yes
2. No
3. Don't Know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-3	Valid Skip	115
-2	No relative nearby	2,222
-1	DK/REF if rel. nearby OR rel. nearby but unsure if able to provide paid care	65
0	Relative nearby but unable to provide unpaid care	2,235
1	Relative nearby and able to provide unpaid care	3,939
Total		8,576

*Count represents the number of households in each category

HH9_RELATIONS_PAID

Variable label	Relative(s) nearby able to provide care with pay
Items affecting eligibility	B3
Original variables used	HH9_B3C_CAREPAY
Notes	<p>HH9_RELATIONS_PAID indicates whether the respondent's child has any relatives that live within 45 minutes of the child's home who are able to provide care for the child if they were paid and is a direct response to survey item B3c:</p> <p>If the respondent did not know if there was a relative within 45 minutes of the household then the variable is coded as a -3 for "Valid Skip".</p> <p>B3c. Would any of these relatives be able to care for your child if you were to pay them?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-3	Missing	115.0
-2	No relative nearby	2,222.0
-1	DK/REF if rel. nearby OR rel. nearby but unsure if able to provide paid care	123.0
0	Relative nearby but unable to provide paid care	1,786.0
1	Relative nearby and able to provide paid care	4,330.0
Total		8,576.0

*Count represents the number of households in each category

9. TOTAL NUMBER OF PROVIDERS AT THE CHILD LEVEL

The variables HHC9_NPC_TOTPROV_ROS_X and HHC9_NPC_TOTPROV_CAL_X report the total number of providers identified for a child in the provider roster and the child calendar respectively. It is possible that a provider identified in the roster was not identified as caring for the child in the reference week in the calendar. It is also possible that a provider not identified as caring for the child in the provider roster was reported as caring for the child in the calendar, given that the survey allowed the respondent to select from any provider previously listed in the provider roster when describing a child's schedule. The variable HHC9_NPC_TOTPROV_ROSCAL_X reports the total number of providers reported for a child in either the provider roster or the child calendar. Hence, HHC9_NPC_TOTPROV_ROSCAL_X is always greater than or equal to HHC9_NPC_TOTPROV_ROS_X and HHC9_NPC_TOTPROV_CAL_X.

Note that the number of providers at the child level may not sum up to the number of providers at the household level (as reported in HH9_NPC_TOTPROV_ROS and HH9_NPC_TOTPROV_CAL) because households often use the same provider for multiple children.

The following variables can be found in this section:

Variable Name	Variable Description
HHC9_NPC_TOTPROV_ROS_X (X=1-9 CHILDREN)	Total num nonparental care providers identified for Child X in provider roster
HHC9_NPC_TOTPROV_CAL_X (X=1-9 CHILDREN)	Total num nonparental care providers caring for Child X in calendar last week
HHC9_NPC_TOTPROV_ROSCAL_X (X=1-9 CHILDREN)	Total number of unique NPC providers listed as caring for Child X in HH in the last week

HHC9_NPC_TOTPROV_ROS_X (X=1-9 CHILDREN)

Variable label	Total num non-parental care provs identified for Child X in provider roster
Notes	For information about this set of variables, please see introduction to section "Total Number of Providers at the Child Level".

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.19
10th	0.00
25th	0.00
75th	2.00
90th	3.00
Min	0.00
Max	11.00
-9 (No Child X): Frequency	61,203

HHC9_NPC_TOTPROV_CAL_X (X=1-9 CHILDREN)

Variable label	Total num non-parental care provs caring for Child X in calendar last wk
Notes	For information about this set of variables, please see introduction to section “Total Number of Providers at the Child Level”.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.92
10th	0.00
25th	0.00
75th	1.00
90th	2.00
Min	0.00
Max	8.00
-9 (No Child X): Frequency	61,203
-2 (Respondent asked Summer Questionnaire): Frequency	898

HHC9_NPC_TOTPROV_ROSCAL_X (X=1-9 CHILDREN)

Variable label	Total number of unique NPC providers listed as caring for Child X in HH in last week
Notes	For information about this set of variables, please see introduction to section “Total Number of Providers at the Child Level”.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.25
10th	0.00
25th	0.00
75th	2.00
90th	3.00
Min	0.00
Max	11.00
-9 (No Child X): Frequency	61,203

10. TOTAL NUMBER OF HOURS IN CARE BY TYPE OF CARE

The variables in this section report the total number of hours in care by type of care at the household and child levels.

The concepts involved in these variables are:

- ▶ Non-parental care – any time reported on the child calendar when the child was reported to be with someone other than a parent.
- ▶ Type of Care – Categorization of the child care arrangement used by the household.
- ▶ Calendar – Child care schedule for the last week given in the household interview.

For reference, please see **Exhibit 5.1**, Types of Care: Non-parental and Parental Care.

While this set of variables is about non-parental care (NPC) in the child care calendar, variables HH9_NPC_HRSWEEK_TOC9 and HHC9_NPC_HRSWEEK_TOC9 indicate hours spent in parental care. Including hours spent in parental care allows the number of hours across all types of care to sum to 168, the total number of hours in a week.

The construction of variables HH9_NPC_HRSWEEK_TOC1 through HH9_NPC_HRSWEEK_TOC9 and HHC9_NPC_HRSWEEK_TOC1_X through HHC9_NPC_HRSWEEK_TOC9_X used two sources of variables:

- Type of Care variables in the NSECE Household dataset, which were in turn calculated from provider data collected in Section C of the Household interview and data from the NSECE provider sampling frame, and
- variables in the Calendar file, which is a separate NSECE Household data file. The calendar file consists of several arrays of variables for each of the 672 slots of 15-minute duration that comprise a calendar week from Monday 12:00 am to Sunday 11:59 pm. These variables were derived from interview responses to the child calendar questions (from the C2 series in the household survey).

Gap Checks. The child calendar allows the respondent to describe care arrangements if no provider was reported for the child in a given time block, but the adult calendar showed the parent(s) were at work, school, or training. Gap check responses were then coded using the codeframe shown in the documentation for the calendar file. For the purpose of calculating total number of hours in care by type of care, these responses were further recoded into a TOC (1-9), or missing, using the following crosswalk:

If the child calendar variable HH9_CHCAL_R_X_Z had a value ofthen we recoded to this TOC
54, 61, 62, 69, 73, 80, 82, 91, 98	3
99	5
58, 63, 64, 66, 67, 71, 75, 76, 77, 78, 81, 88, 89, 94, 96	8
50, 56, 57, 60, 65	9
53, 59, 74, 93, 97	. (missing)
68, 72, 79, 83, 84, 85, 86, 87	6 if child's age is ≥ 72 months, otherwise 8
51, 52	9 if respondent is a parent to a child in the HH, otherwise 3

The following variables can be found in this section:

Variable Name	Variable Description
HH9_NPC_HOURSWEK_TOCP (P=1-9 TOC)	Variables counting the total number of hours in care by type of care at the household level
HHC9_NPC_HOURSWEK_TOCP_X (P=1-9 TOC, X=1-9 CHILDREN)	Variables counting the total number of hours in care by type of care by child

HH9_NPC_HRSWEEK_TOCP (P=1-9 TOC)

Variable label	Variables counting the total number of hours in care by type of care at the household level
Original variables used	HH9_TYPEOFCARE_AGG_X_Y, HHC9_AGE
Notes	<p>Variables HH9_NPC_HRSWEEK_TOC1 through HH9_NPC_HRSWEEK_TOC9 give the total number of hours in the last week the household used each type of care for any children.</p> <p>If multiple children used the type of care at the same time, this was only counted once for the household. For example:</p> <ul style="list-style-type: none"> • If Child 1 and Child 2 both used Type of Care 1 from 11am – 12pm on Monday, this would only add one hour to HH9_NPC_HRSWEEK_TOC1 for the household. • If Child 1 used Type of Care 1 from 11am – 1pm and Child 2 used Type of Care 1 from 11am – 12pm on Monday, this would add two hours to HH9_NPC_HRSWEEK_TOC1 for the household. <p>Hours in care for each type of care is not the sum of hours in care for all of the children.</p> <p>These variables counting hours in care by Type of Care and the variables counting number of providers by Type of Care were based on two different sources. We have some households where the number of providers in a Type of Care is zero but the hours in that Type of Care is greater than zero. If your goal is to analyze households with any of a given Type of Care, you may consider using hours in a given Type of Care greater than zero as an alternative to the number of providers in the Type of Care greater than zero.</p> <p>Since two different children could be in different types of care during the same hour, the sum of variables HH9_NPC_HRSWEEK_TOC1 through HH9_NPC_HRSWEEK_TOC9 could exceed 168 (the number of hours in one week).</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	20.17
10th	0.00
25th	0.00
75th	2.25
90th	114.50
Min	0.00
Max	168.00
-2 (Not applicable for HH administered summer questionnaire): Frequency	4,383

HHC9_NPC_HRSWEEK_TOCP_X (P=1-9 TOC, X=1-9 CHILDREN)

Variable label	Variables counting the total number of hours in care by type of care by child
Original variables used	HH9_TYPEOFCARE_AGG_X_Y, HHC9_AGE
Notes	<p>Variables HHC9_NPC_HRSWEEK_TOCP1 through HHC9_NPC_HRSWEEK_TOCP9 give the total number of hours in the last week a child used each type of care.</p> <p>These variables counting hours in care by type of care and the variables counting number of providers by type of care were based on two different sources. We have some children where the number of providers in a type of care is zero but the hours in that type of care is greater than zero. If your goal is to analyze children with any of a given type of care, you may consider using hours in a given type of care greater than zero as an alternative to the number of providers in the type of care greater than zero.</p> <p>Calendar data were not available for households administered the summer questionnaire. These households reported the number of hours that each provider cared for a child in a typical week in May (C4b_S). It was not possible to ascertain whether or not the providers overlapped during the week. For the purpose of calculating total number of hours in care by type of care, it was assumed that to the extent possible, providers did not overlap. If the total number of hours exceeded 168 hours, it was capped at 168.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	17.66
10th	0.00
25th	0.00
75th	0.00
90th	95.00
Min	0.00
Max	168.00
-9 (No Child X): Frequency	550,827
-3 (Don't Know/Refused/No answer): Frequency	8
-2 (Not applicable for HH administered summer questionnaire): Frequency	898

11. TOTAL NUMBER OF PROVIDERS BY TYPE OF CARE

The variables in this section report the total number of providers by type of care at the household and child levels.

The concepts involved in these variables are:

- ▶ Non-parental care – any time reported on the child calendar when the child was reported to be with someone other than a parent.
- ▶ Type of Care – Categorization of the child care arrangement used by the household.
- ▶ Calendar – Child care schedule for the last week given in the household interview.

For reference, please see **Exhibit 5.1**, Types of Care: Non-parental and Parental Care.

Note that while the variables counting the total number of hours in care by type of care have a category 9 (Parental Care), this set of variables does not have this category. This is because this set of variables is meant to count non-parental care providers only.

Variables HH9_NPC_NPROV_TOC1 through HH9_NPC_NPROV_TOC8 (household level), as well as HHC9_NPC_NPROV_TOC1_X through HHC9_NPC_NPROV_TOC8_X (child level), were constructed from the Type of Care variables in the NSECE Household dataset, which were, in turn, calculated from provider data collected in Section C of the Household interview and data from the NSECE provider sampling frame.

The variables counting number of providers by Type of Care and the variables counting hours in care by Type of Care were based on two different sources. The number of providers was based on an enumeration of the providers caring for each child in the household reported by the respondent. The hours in care was based on the respondent's report of each child's schedule in the Calendar. Hence, it is possible for households or children to have zero providers in a given Type of Care but have more than zero hours in that Type of Care. For example, in reporting a child's schedule, a respondent may report that a child was at an after-school program from 3-5 p.m. on weekdays, even though the respondent did not mention the after-school program when enumerating the providers that cared for the child. In this example, the respondent reported zero providers for the child in Type of Care 5, while also reporting 10 hours of care in Type of Care 5. When the goal is to identify households or children with any of a given Type of Care, you may consider doing so by sub-setting the data to households or children with more than zero hours in a given Type of Care, instead of sub-setting the data to households or children with one or more providers in that Type of Care.

An alternative method to identify households or children with any of a given Type of Care is to use the HH9_NPC_USETOC1 through HH9_NPC_USETOC8 (household level) and HHC9_NPC_USETOC1_X through HHC9_NPC_USETOC8_X (child level) flags. These flags are based on the number of providers by type of care variables from this section, but also impute use of care for some children when other data from the survey indicate use of a type of care, even if no providers are reported for that type of care. Please see descriptions for HH9_IMPUTEFLAG4, HH9_IMPUTEFLAG5, and HH9_IMPUTEFLAG6 for more information.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_NPC_NPROV_TOCP (P=1-8 TOC)	Variables counting the total number of providers by type of care (TOC)
HH9_NPC_USETOCP (P=1-8 TOC)	Whether any child in household uses TOC P
HH9_IMPUTEFLAG4_X (X=1-9 CHILDREN)	Flag: Aggregate TOC 4 imputed for Child X
HH9_IMPUTEFLAG5_X (X=1-9 CHILDREN)	Flag: Aggregate TOC 5 imputed for Child X
HH9_IMPUTEFLAG6_X (X=1-9 CHILDREN)	Flag: Aggregate TOC 6 imputed for Child X
HHC9_NPC_NPROV_TOCP_X (P=1-8 TOC, X=1-9 CHILDREN)	Variables counting the total number of providers by type of care by child
HHC9_NPC_USETOCP_X (P=1-8 TOC, X=1-9 CHILDREN)	Whether Child X uses TOC P

HH9_NPC_NPROV_TOCP (P=1-8 TOC)

Variable label	Variables counting the total number of providers by type of care
Notes	<p>Variables HH9_NPC_NPROV_TOC1 through HH9_NPC_NPROV_TOC8 give the total number of non-parental care (NPC) providers identified for the household in each type of care.</p> <p>Note that the same provider may be classified into a different type of care for different children in the household. For example, one provider may be counted as Type of Care 6, K-8 Schooling, for an older child in the household and as Type of Care 4, Center-based HS, PreK, Community-Based, for a younger child in the household. This provider would be counted in both HH9_NPC_NPROV_TOC4 and HH9_NPC_NPROV_TOC6.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.23
10th	0.00
25th	0.00
75th	0.00
90th	1.00
Min	0.00
Max	11.00

HH9_NPC_USETOCP (P=1-8 TOC)

Variable label	Whether any child in household uses TOC P
Original variables used	HHC9_NPC_USETOCP_X
Notes	This set of variables indicates if any child in a household uses a provider assigned to a given type of care category. This set of variables may include an imputed type of care; see HHC9_NPC_USETOCP_X for more details.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Household does not use TOC P	54,680
1	Household uses TOC P	13,928
Total		68,608

*Count represents the sum of responses across the eight loops of different types of care

HH9_IMPUTEFLAG4_X (X=1-9 CHILDREN)

Variable label	Flag: Aggregate TOC 4 imputed for Child X
Notes	<p>We imputed this type of care for children that did not use a provider in type of care 4, based on information collected in Section C of the questionnaire from one of two criteria.</p> <p>First, the respondent may report in the child calendar that the child was in school at some point in the previous week, even though the respondent did not list the school as a provider. If the child's age suggests that they would be in a public pre-K program, then use of type of care 4 is imputed.</p> <p>Second, there is some evidence that ECE arrangements may have been underreported for households interviewed in June or July. Children in these households that did not use any provider classified as type of care 4, 5, or 6 may be imputed using one of these types of care, using a model estimated with data from households interviewed between January and May. (C1_SA_CHECK is not used to impute use of type of care 4, and is only included in the codeframe for completeness.)</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	Aggregate TOC 4 was not imputed for this child	15,757
1	Aggregate TOC 4 was imputed for this child using model	219
3	Aggregate TOC 4 was imputed for this child using calendar	5
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_IMPUTEFLAG5_X (X=1-9 CHILDREN)

Variable label	Flag: Aggregate TOC 5 imputed for Child X
Notes	<p>Children that did not use a provider in type of care 5, based on information collected in Section C of the questionnaire, may be imputed using this type of care.</p> <p>There is some evidence that ECE arrangements may have been underreported for households interviewed in June or July. Children in these households that did not use any provider classified as type of care 4, 5, or 6 may be imputed using one of these types of care, using a model estimated with data from households interviewed between January and May. (Neither the calendar nor C1_SA_CHECK is used to impute use of type of care 5, and these values are only included in the codeframe for completeness.)</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	Aggregate TOC 5 was not imputed for this child	15,977
1	Aggregate TOC 5 was imputed for this child using model	4
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_IMPUTEFLAG6_X (X=1-9 CHILDREN)

Variable label	Flag: Aggregate TOC 6 imputed for Child X
Notes	<p>Children that did not use a provider in type of care 6, based on information collected in Section C of the questionnaire, may be imputed using this type of care based on one of three criteria.</p> <p>First, the respondent may report in the child calendar that the child was in school at some point in the previous week, even though the respondent did not list the school as a provider. If the child's age suggests that they would be in a K-8 program, then use of type of care 6 is imputed.</p> <p>Second, when a child aged 8-years old and above did not use any providers, the respondent was asked if there's anything they would like to share about how the child spent his or her time (C1_SA_CHECK). Use of type of care 6 is imputed unless the respondent reported that the child was home-schooled or otherwise only used parental care or self-care. Use of type of care 6 is also imputed for all children aged 6 or 7, unless C1_SA_CHECK indicates that another child in the household was home-schooled or otherwise only used parental care or self-care.</p> <p>Third, there is some evidence that ECE arrangements may have been underreported for households interviewed in June or July 2019. Children in these households that did not use any provider classified as type of care 4, 5, or 6 may be imputed using one of these types of care, using a model estimated with data from households interviewed between January and May 2019.</p> <p>Users should note that extensive imputation of use of type of care 6 in the 2019 NSECE is likely to preclude direct comparisons with the 2012 NSECE for the use of this type of care, because the 2012 NSECE did not perform imputation of use of care. As such, users should not compare HHC9_NPC_USETOC6_X or HH9_NPC_USETOC6 with variables from the 2012 NSECE (although the 2012 NSECE did not include variables for use of a particular type of care, users may infer use of a type of care based on number of providers reported for given type of care).</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	61,203
0	Aggregate TOC 6 was not imputed for this child	13,639
1	Aggregate TOC 6 was imputed for this child using model	33
2	Aggregate TOC 6 was imputed for this child using C1_SA_CHECK	2,181
3	Aggregate TOC 6 was imputed for this child using calendar	128
Total		77,184

*Count represents the sum of responses across the nine loops of children

HHC9_NPC_NPROV_TOCP_X (P=1-8 TOC, X=1-9 CHILDREN)

Variable label	Variables counting the total number of providers by type of care by child
Notes	HHC9_NPC_NPROV_TOCP1 through HHC9_NPC_NPROV_TOCP8 give the total number of non-parental care (NPC) providers identified for the child in each type of care.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.15
10th	0.00
25th	0.00
75th	0.00
90th	1.00
Min	0.00
Max	7.00
-9 (No Child X): Frequency	489,624

HHC9_NPC_USETOCP_X (P=1-8 TOC, X=1-9 CHILDREN)

Variable label	Whether Child X uses TOC P
Original variables used	HH9_TYPEOFCARE_AGG_X_Y, HH9_IMPUTEFLAG4_X, HH9_IMPUTEFLAG5_X, HH9_IMPUTEFLAG6_X
Notes	<p>This set of variables indicates if a child uses a provider assigned to a given type of care category. The variable is derived from two sources.</p> <ul style="list-style-type: none"> • The respondent may report, in section C of the questionnaire, that a child was served by a provider; the arrangement (the child-provider pair) is then assigned a type of care, which is reported in HH9_TYPEOFCARE_AGG_X_Y. • Alternatively, information from other parts of the questionnaire may be used to infer that a child uses a provider in a given type of care category. We refer to these inferences as imputation of type of care. Imputation is only performed for types of care 4, 5, and 6. <p>Users may use HH9_IMPUTEFLAG4_X, HH9_IMPUTEFLAG5_X, and HH9_IMPUTEFLAG6_X to differentiate uses of care based on respondent reports from those based on imputation.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X	489,624
0	Child does not use TOC P	108,534
1	Child uses TOC P	19,314
Total		617,472

*Count represents the sum of responses across the fourteen loops of different types of care for nine loops of children

12. TOTAL NUMBER OF PROVIDERS AT THE HOUSEHOLD LEVEL

HH9_NPC_TOTPROV_ROS and HH9_NPC_TOTPROV_CAL report the total number of providers identified for the household in the provider roster and the child calendar respectively. All providers reported in the child calendar must have been listed by the respondent in the provider roster. However, not all providers from the roster may have cared for the child in the reference week, and as such did not appear in the child calendar. Hence HH9_NPC_TOTPROV_CAL is always less than or equal to HH9_NPC_TOTPROV_ROS.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_NPC_TOTPROV_CAL	Total num nonparental care providers caring for children in HH in calendar last week
HH9_NPC_TOTPROV_ROS	Total num nonparental care providers identified for children in HH in provider roster

HH9_NPC_TOTPROV_CAL

Variable label	Total num non-parental care provs caring for children in HH in calendar last wk
Original variables used	CHCAL_R
Notes	HHC9_NPC_TOTPROV_CAL is constructed using the variables in the Calendar file, which is a separate NSECE Household data file. The calendar file consists of several arrays of variables for each of the 672 slots of 15-minute duration that comprise a calendar week from Monday 12:00 am to Sunday 11:59 pm. These variables were derived from interview responses to the child calendar questions (from the C2 series in the household survey).

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.24
10th	0.00
25th	0.00
75th	2.00
90th	3.00
Min	0.00
Max	10.00
-2 (Respondent asked Summer Questionnaire): Frequency	487

HH9_NPC_TOTPROV_ROS

Variable label	Total num non-parental care provs identified for children in HH in prov roster
Notes	HHC9_NPC_TOTPROV_ROS is constructed using flags for providers identified for the household in the main NSECE Household data file.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1.76
10th	0.00
25th	1.00
75th	2.00
90th	4.00
Min	0.00
Max	14.00

13. VARIABLES SUMMARIZING ASPECTS OF NON-PARENTAL CARE

The following variables summarize various aspects of the non-parental care reported for children for reference week. The reference week was either the week prior to the NSECE household interview for respondents administered the regular questionnaire (most respondents) or “a typical week in May” for respondents administered the summer questionnaire.

The regular questionnaire collected information about non-parental care arrangements, if any, for each child for each 15-minute block of time in the reference week. These data are available in the separate NSECE Household Calendar data file. Note that calendar data are not available for some children in households administered the regular questionnaire; these children can be identified in the variable series HH9_MISSING_STATUS_CC_X (X=1 to 9). In the variables below, these children are coded as if they had reported ‘parental care only’ throughout the week.

Note also that there may be some inconsistency in classification of ‘parents’ when a child lives in a household with individuals who are parents to some but not all of the children under age 13 within the household. Consider a household with a mother, her male partner, and two children, one of whom is the biological child of both adults, and one the biological child of the mother with a previous partner. In some cases, care by the male partner may be reported as ‘parental care’ for the child who is not his own; in other cases, the same situation may be classified as non-parental care. Researchers may use the calendar data to investigate and improve these distinctions as needed.

Calendar data was not collected for households administered the summer questionnaire. However, the summer questionnaire included additional items on the duration of care provided to a child by a provider, and whether care was provided during standard hours (8am through 6pm, Monday through Friday) or non-standard hours (any hours outside of 8am through 6pm, Monday through Friday). These additional items were used in lieu of the calendar data to construct the variables in this section.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_MISSING_STATUS_CC_X (X=1-9 CHILDREN)	Availability of Child X calendar data
HH9_HOURS_WEEK_PROVY_X (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Total number of hours spent by Child X with Provider Y in the calendar
HH9_ANY_NPTN_X (X=1-9 CHILDREN)	Any nonparental care Monday through Sunday for Child X
HH9_ANY_NPTN_BOTH_X (X=1-9 CHILDREN)	Any nonparental care during both standard & non-standard hours during reference week Child X
HH9_ANY_NPTN_NONSTAND_X (X=1-9 CHILDREN)	Any nonparental care during nonstandard hours during reference week Child X
HH9_ANY_NPTN_NONSTAND_EVE_X (X=1-9 CHILDREN)	Any nonparental care during evening hours 6pm to 9pm Monday through Friday for Child X
HH9_ANY_NPTN_NONSTAND_SS_X (X=1-9 CHILDREN)	Any nonparental care Saturday or Sunday for Child X
HH9_ANY_NPTN_STAND_X (X=1-9 CHILDREN)	Any nonparental care during standard hours during reference week Child X
HH9_PROP_NONSTAND_X (X=1-9 CHILDREN)	Proportion of nonparental care that occurs during nonstandard hours for Child X
HH9_ANY_STAND_D_X (D=1-5 DAYS, X=1-9 CHILDREN)	Any nonparental care during standard hours during Day X for Child Y
HH9_ANY_NONSTAND_D_X (D=1-7 DAYS, X=1-9 CHILDREN)	Any nonparental care during nonstandard hours during Day X for Child Y
HH9_ONLY_NONSTAND_D_X (D=1-7 DAYS, X=1-9 CHILDREN)	Nonparental care only during nonstandard hours during Day X for Child Y
HH9_ONLY_STAND_D_X (D=1-5 DAYS, X=1-9 CHILDREN)	Nonparental care only during standard hours during Day X for Child Y
HH9_BOTH_STAND_D_X (D=1-5 DAYS, X=1-9 CHILDREN)	Nonparental care during both standard & non-standard hours during Day X for Child Y
HH9_REG_HOURS_PER_DAY_X (X=1-9 CHILDREN)	Whether number of hours are consistent across weekdays with non-parental care
HH9_C11_SAMELANG_Y (Y=1-14 PROVIDERS)	R has difficulties speaking with Provider Y, not comfortable with same language
HH9_C5F_MONTHS_Y_X (Y=1-14 PROVIDERS, X=1-9 CHILDREN)	Age of Child X when Provider Y started looking after: Months
HH9_C5F_YEARS_Y_X (Y=1-14 PROVIDERS, X=1-9 CHILDREN)	Age of Child X when Provider Y started looking after: Years

HH9_MISSING_STATUS_CC_X (X=1-9 CHILDREN)

Variable label	Availability of Child X calendar data
Notes	<p>These variables indicate when calendar data might be missing because of item non response, skip errors, or other problems with respondents' responses in the calendar section of the questionnaire. HH9_MISSING_STATUS_CC_X was not taken into account in the creation of calendar-related variables, but would be useful to use in conjunction with calendar data.</p> <p>The structure of the calendar questions was that any unaccounted-for hours are assumed to be times when children were in the care of one or more of their parents. Therefore any time period that has not been assigned to a non-parental care provider will appear as time in parental care.</p> <p>Researchers may use the HH9_MISSING_STATUS_CC_X variables to distinguish between children who are indeed always in parental care from those who are missing all calendar data. Respondents who provided complete data indicating that they use only parental care will have a value of 'complete' in the HH9_MISSING_STATUS_CC_X (X=child 1-9) variables.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	No calendar data	62,101
1	Partial calendar data	428
2	Complete calendar data	14,655
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_HRS_WEEK_PROVY_X (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Total number of hours spent by Child X with Provider Y in the calendar
Notes	This set of variables captures the total number of hours spent by Child X with Provider Y in the calendar for non-summer questionnaire cases and in a typical week in May for the summer questionnaire cases.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.40
10th	0.00
25th	0.00
75th	0.00
90th	0.00
Min	0.00
Max	168.00

HH9_ANY_NPTN_X (X=1-9 CHILDREN)

Variable label	Any non-parental care Monday through Sunday for Child X
Notes	This set of variables indicates whether Child X had at least one 15-minute time block with a non-parental care provider during the reference week. Missing values indicate records for which there is no Child X. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	103
0	Child had no time blocks reported with a non-parental care provider	4,973
1	Child had at least one time block reported with a non-parental care provider	10,905
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_ANY_NPTN_BOTH_X (X=1-9 CHILDREN)

Variable label	Any non-parental care during both standard & nonst hrs during ref. wk Child X
Notes	<p>During the reference week, Child X had at least one 15-minute time block with a non-parental care provider during standard hours, and at least one time block during non-standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Blocks may have been reported with different providers, such as standard hours in center-based care and non-standard hours with an unpaid relative.</p> <p>Missing values correspond to variables in this loop that had no Child X in that household.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	335
0	Child did not have both standard and non-standard hours non-parental care	9,323
1	Child had both standard and non-standard hours non-parental careChild had both standard and non-standard hours non-parental careChild had both standard and non-standard hours non-parental care	6,323
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_ANY_NPTN_NONSTAND_X (X=1-9 CHILDREN)

Variable label	Any non-parental care during non-standard hrs during ref. week Child X
Notes	During the reference week, Child X had at least one 15-minute time block with a non-parental care provider during non-standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.'
	Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	245
0	Child had no time blocks reported with a non-parental care provider	9,164
1	Child had at least one time block reported with a non-parental care provider	6,572
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_ANY_NPTN_NONSTAND_EVE_X (X=1-9 CHILDREN)

Variable label	Any NPC during evening hours 6pm to 9pm Monday through Friday for Child X
Notes	During the reference week, Child X had at least one 15-minute time block with a non-parental care provider during evening hours 6pm to 9pm Monday through Friday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	296
0	Child had no evening non-parental care	13,924
1	Child had evening non-parental care	1,761
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_ANY_NPTN_NONSTAND_SS_X (X=1-9 CHILDREN)

Variable label	Any non-parental care Saturday or Sunday for Child X
Notes	During the reference week, Child X had at least one 15-minute time block with a non-parental care provider on Saturday or Sunday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	157
0	Child had no Sat/Sun non-parental care	13,659
1	Child had Sat/Sun non-parental care	2,165
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_ANY_NPTN_STAND_X (X=1-9 CHILDREN)

Variable label	Any non-parental care during standard hrs during ref. week Child X
Notes	During the reference week, Child X had at least one 15-minute time block with a non-parental care provider during standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.'
	Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	9
0	Child had no standard hours non-parental care	5,320
1	Child had standard hours non-parental care	10,652
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_PROP_NONSTAND_X (X=1-9 CHILDREN)

Variable label	Proportion of non-parental care that occurs during non-standard hrs for Chld X
Notes	During the reference week, proportion of non-parental care hours reported for Child X that occur during non-standard hours (hours other than M-F 8am -6pm). The proportion of non-parental care hours that occurs during standard hours is indicated by (1 – HH9_PROP_NONSTAND_X).

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.15
10th	0.00
25th	0.00
75th	0.20
90th	0.50
Min	0.00
Max	1.00
-2 (Child has no non-parental care hours reported): Frequency	5,073
-1 (Unable to determine): Frequency	9

HH9_ANY_STAND_D_X (D=1-5 DAYS, X=1-9 CHILDREN)

Variable label	Any non-parental care during standard hours during Day X for Child Y
Notes	On day D of the reference week, Child X had at least one 15-minute time block with a non-parental care provider during standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Day 1 = Monday.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Child had no standard hours non-parental care	29,068
1	Child had standard hours non-parental care	46,347
.	Missing	310,505
Total		385,920

*Count represents the sum of responses across the 5 days of the week for each of the nine loops of children

HH9_ANY_NONSTAND_D_X (D=1-7 DAYS, X=1-9 CHILDREN)

Variable label	Any non-parental care during non-standard hours during Day X for Child Y
Notes	On day D of the reference week, Child X had at least one 15-minute time block with a non-parental care provider during non-standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Day 1 = Monday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
0	Child had no non-standard hours non-parental care	77,630
1	Child had non-standard hours non-parental care	27,951
.	Missing	434,707
Total		540,288

*Count represents the sum of responses across the 7 days of the week for each of the nine loops of children

HH9_ONLY_NONSTAND_D_X (D=1-7 DAYS, X=1-9 CHILDREN)

Variable label	Non-parental care only during non-standard hours during Day X for Child Y
Notes	On day D of the reference week, all non-parental care blocks for Child X occurred during non-standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Day 1=Monday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	1,410
0	Child had no non-parental care or some standard hours non-parental care	100,180
1	Child had only non-standard hours non-parental careChild had only non-standard hours non-parental care	3,991
.	Missing	434,707
Total		540,288

*Count represents the sum of responses across the 7 days of the week for each of the nine loops of children

HH9_ONLY_STAND_X (D=1-5 DAYS, X=1-9 CHILDREN)

Variable label	Non-parental care only during standard hours during Day X for Child Y
Notes	On day D of the reference week, all non-parental care blocks for Child X occurred during standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Day 1=Monday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	738
0	Child had no non-parental care or Child ha	52,400
1	Child had only standard hours non-parental care	22,277
.	Missing	310,505
Total		385,920

*Count represents the sum of responses across the 5 days of the week for each of the nine loops of children

HH9_BOTH_STAND_D_X (D=1-5 DAYS, X=1-9 CHILDREN)

Variable label	Non-parental care during both standard & nonst. hrs during Day X for Child Y
Notes	On day D of the reference week, at least one non-parental care blocks for Child X occurred during standard hours, and at least one block during non-standard hours. Standard hours are 8am to 6pm Monday through Friday. All other hours during the week are 'non-standard.' Day 1=Monday. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Unable to determine	914
0	Child did not have both standard and non-standard hour non-parental care	50,546
1	Child had both standard and non-standard hours non-parental care	23,955
.	Missing	310,505
Total		385,920

*Count represents the sum of responses across the 5 days of the week for each of the nine loops of children

HH9_REG_HOURS_PER_DAY_X (X=1-9 CHILDREN)

Variable label	Whether number of hours are consistent across weekdays with non-parental care
Notes	For Child X, at least 60 percent of weekdays with any non-parental care have the same number of hours per day. Missing values correspond to variables in this loop that had no Child X in that household.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Child has no non-parental care hours reported	4,973
-1	Unable to determine	501
0	Inconsistent number of hours across non-parental care days	811
1	Consistent number of hours for 60% of non-parental care days	9,696
.	Missing	61,203
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_C11_SAMELANG_Y (Y=1-14 PROVIDERS)

Variable label	R has difficulties speaking with Prov Y, not comfortable with same language
Items affecting eligibility	C5D
Original variables used	HH9_C11_SAMELANG_Y (Y=1-14)
Notes	<p>This variable captures whether the respondent has difficulties talking with provider X due to lack of comfort speaking the same language and is a direct response to survey item C11:</p> <p>C11. Do you have any difficulties talking with (PROVIDER/your caregiver at PROVIDER) because both of you aren't comfortable speaking the same language?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't Know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Yes	253
2	No	7,785
3	Don't Know/Refused	6
.	Missing	112,020
Total		120,064

*Count represents the sum of responses across the fourteen loops of providers.

HH9_C5F_MONTHS_Y_X (Y=1-14 PROVIDERS, X=1-9 CHILDREN)

Variable label	Age of Child X when Provider Y started looking after: Months
Original variables used	HH9_C5F_MONTHS_Y_X (Y=1-14, X=1-9)
Notes	<p>This variable captures the age of Child X when Provider Y started looking after him or her in months is a direct response to survey item C5F:</p> <p>C5F. How old was [CHILD] when [PROVIDER] started regularly looking after him or her?</p> <p>_____ Months</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	2.26
10th	0.00
25th	0.00
75th	4.00
90th	7.00
Min	0.00
Max	12.00
-4 (Don't Know/Refused/No Answer): Frequency	2,196

*Statistics are based on values across the fourteen loops of providers and nine loops of children.

HH9_C5F_YEARS_Y_X (Y=1-14 PROVIDERS, X=1-9 CHILDREN)

Variable label	Age of Child X when Provider Y started looking after: Years
Original variables used	HH9_C5F_YEARS_Y_X (Y=1-14, X=1-9)
Notes	<p>This variable captures the age of Child X when Provider Y started looking after him or her in years is a direct response to survey item C5F:</p> <p>C5F. How old was [CHILD] when [PROVIDER] started regularly looking after him or her?</p> <p>_____ Years</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	3.78
10th	0.00
25th	0.00
75th	6.00
90th	9.00
Min	0.00
Max	13.00
-4 (Don't Know/Refused/No Answer): Frequency	874

*Statistics are based on values across the fourteen loops of providers and nine loops of children.

14. COST OF NON-PARENTAL CARE

Parental out-of-pocket ECE costs were collected from respondents to the household questionnaire. Respondents reported the amount they and other HHMs paid for each regular ECE arrangement (i.e. child-provider pair). Weekly cost of care variables for each child and provider pair combines direct charges and subsidies: weekly cost of care is the weekly direct charges minus any subsidy paid directly to the household. These variables were constructed from the questions posed in Section J of the Household Questionnaire; based on child-provider pairs identified in Section C and Section J.

Cost of care information is available for regular ECE arrangements only--that is, types of care 1-5. These arrangements last at least 5 hours weekly. Unpaid regular ECE arrangements are assigned a cost of \$0, as in the arrangement-level cost data.

\$0 Out-of-Pocket ECE Costs

Many respondents also reported that the care was free or paid by some other source who was not a HHM. In this case, parents' out-of-pocket ECE costs may have been recorded as \$0. This happened whenever an outside person or agency paid the provider for care, and also whenever no parents were charged (for example, public pre-K or unpaid individual care). In some cases, the respondent reported that other sources were paying the provider for the care of the child, but these amounts were not collected. In such cases, the Public-Use Household file includes variables HH9_OTHPAYPROV_X_Y (Child X=1-9 and Provider Y=1-14) that indicate whether an outside person or agency paid the provider for care. In a very small number of cases, the reported subsidy amount was higher than the out-of-pocket ECE costs, which caused their difference to be a negative value. We saved these negative values in a separate variable in the Public-Use Household file called HH9_WEEKLY_COST_NEG_TC_X_Y (Child X 1-9 and Provider Y 1-12).

If the household reported an out-of-pocket amount for the same provider for more than one child, we assumed the amount was distributed equally among children. In this case, where multiple children were covered in a loop, values for payment, subsidies and cost of care were split evenly between the indicated children, and all flags were replicated to the respective children.

If the household reported the same out-of-pocket amount for another child (or children), then we replicated that reported subsidy and cost information for all other reported children with the same provider. In this case, where multiple children had the same arrangement; payment, subsidies, and cost of care were replicated for subsequent children with the same provider. In both of these cases, we flagged all children with shared child-provider information by HH9_J11AMTFLAG_X_Y. This flag was set when either the respondent noted that children in the same provider were covered by the same loop in the questionnaire or that multiple children with the same provider had the same arrangement.

Variables provided in this section were generated at the level of unique child-provider pairs, also known as arrangements. Users may generate estimates at the child or HH level by aggregating these variables by children or HHs, respectively.

All amounts reported were converted into weekly amounts using the following conversion methods:

Unit	Conversion to weekly cost
Per Hour	Amount*provider hours in the last week
Per day	Amount*provider days in the last week
Per week	(No conversion needed)
Every other week	Amount/2
Per month	Amount /4.3
Something else (specify:_____)	For direct charges, used standard cutoffs
Don't Know/Refused	
Per year	Amount /39 weeks
School year	Amount /39 weeks
Per X # months	Amount/(x* 4.3)
Semester	Amount /19.5 weeks
Session	Amount /13 weeks
Quarter	Amount /13 weeks
Half-day	Amount *provider days*2
One -time fee	Amount/39 weeks
Flat rate	As is
Per X # weeks	Amount /x
Whole program	Amount/39 weeks
Per X # days	Amount*provider days in last week / x
Varies/Depends/Occasionally	As is

The following variables can be found in this section:

Variable Name	Variable Description
HH9_WEEKLY_COST_CARE_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Weekly amount paid to Provider Y by HH for Child X's care
HH9_WEEKLY_COST_NEG_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Weekly amount paid to Provider Y by HH for Child X's care only for negative values
HH9_WEEKLY_PAYMENT_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Top coded payments paid to Provider Y by household for care of Child X
HH9_SUBSIDY_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Subsidy amount paid directly to HHM(s) for care of Child X Provider Y
HH9_OTHPAYPROV_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Payment to Provider Y for Child X from other sources, no other amounts
HH9_ANY_SUBS_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Indicator variable for any subsidy was paid to the household for Child X Provider Y (=1 for any subsidy paid)
HH9_COPAY_FLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Any copayment paid to Provider Y by HH for care of Child X
HH9_J11AMTFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Flag: HHM reported Child X has same payment arrangement for Provider Y as other children in HH
HH9_FLAG_J2_IMP_UNIT_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Imputation flag for direct charges paid to the Provider Y for Child X
HH9_FLAG_J2_OUT_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)	Outlier flag for direct charges paid to the Provider Y for Child X
HH9_NPC_COST_WEEKLY_TC	Weekly cost of care for HH (Top coded)
HH9_NPC_COST_NEG_WEEKLY_TC	Weekly cost of care for HH only for negative values (Top coded)
HH9_NPC_COST_BURDEN_MONTH_TC	Monthly cost burden for the household for regular ECE (Top coded)
HH9_MONTHLY_INC_IMPFLAG_BURDEN	Flag: Imputed monthly HH income used to calculate HH9_NPC_COST_BURDEN_MONTH

HH9_WEEKLY_COST_CARE_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Weekly amnt paid to Prov Y by HH for Child X's care
Original variables used	HH9_J1_CHARGE_X_Y, HH9_J2_AMOUNT, HH9_J2A_UNIT_X_Y_R, HH9_J2A_NUMBER_R, HH9_J10_SUBELIG, HH9_J11_SAME, HH9_C5A_TYPE, HH9_J11_ASKED, HH9_J5_FREECARE_X_Y, HH9_J9_SUBSIDIES, HH9_J9A_AMOUNT_X_Y, HH9_J9B_UNIT_X_Y_R, HH9_S1, HH9_B1A1_NUMHH, HH9_HRS_WEEK_PROV, HH9_J11_OTHCHLDRN
Notes	<p>The top 1% values were replaced by the median value of the top percentile in each age cell.</p> <p>Numeric value: Weekly cost of care in dollars (with two decimal places). Includes amounts reported as direct charges and subsidies. Positive amounts only.</p> <p>For negative cost of care, please refer to variable HH9_WEEKLY_COST_NEG_TC_X_Y.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	30.99
10th	0.00
25th	0.00
75th	20.93
90th	121.63
Min	0.00
Max	692.31
-9 (No Child X, no Provider Y): Frequency	752,194
-8 (Child X but no Provider Y): Frequency	192,338
-7 (Provider Y but no Child X): Frequency	104,648
-6 (Provider Y does not care for Child X): Frequency	12,391
-3 (Value is out of range): Frequency	9
-2 (Ineligible for Section J): Frequency	9,455
-1 (No amount available because responses were Don't Know/Refused/Missing): Frequency	774

HH9_WEEKLY_COST_NEG_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Weekly amnt paid to Prov Y by HH for Child X's care only for negative values
Notes	<p>Calculated using amounts reported as direct charges and subsidies. Topcoded.</p> <p>Negative values of weekly arrangement level cost of care. Amount paid to provider by household for care of Child X by Provider Y only for negative values. Calculated using amounts reported as direct charges and subsidies.</p> <p>To prevent disclosure, the top 1% values in each age/type of care cell were topcoded using the median value of the top percentile in the cell.</p> <p>This set of variables contains the absolute value of the negative values of cost of care. For instance, if weekly cost of care if -10 for a particular child-provider pair, HH9_WEEKLY_COST_CARE_NEG_X_Y will have a value of 10 and HH9_WEEKLY_COST_CARE_X_Y will have a value of -3 (Value is out of range).</p> <p>If a particular child-provider pair has a positive (>0) value in HH9_WEEKLY_COST_CARE_X_Y, then, they would have a value of -3 (Value is out of range) in HH9_WEEKLY_COST_CARE_NEG_X_Y .</p> <p>Numeric value: Weekly cost of care in dollars for negative values (with two decimal places). Includes amounts reported as direct charges and subsidies. Variable reports absolute values (rather than negative values) and variable is populated only for cases with negative cost of care.</p> <p>Users may construct a variable of all costs by combining HH9_WEEKLY_COST_CARE_TC_X_Y and HH9_WEEKLY_COST_NEG_TC_X_Y (multiplied by -1).</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	152.44
10th	3.49
25th	52.56
75th	140.00
90th	581.40
Min	3.49
Max	581.40
-9 (No Child X, no Provider Y): Frequency	752,194
-8 (Child X but no Provider Y): Frequency	192,338
-7 (Provider Y but no Child X): Frequency	104,648
-6 (Provider Y does not care for Child X): Frequency	12,391
-3 (Value is out of range): Frequency	8,767
-2 (Ineligible for Section J): Frequency	9,455
-1 (No amount available because responses were Don't Know/Refused/Missing): Frequency	774

HH9_WEEKLY_PAYMENT_TC_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Topcoded payments paid to Provider Y by household for care of Child X
Original variables used	HH9_J1_CHARGE_X_Y, HH9_J2_AMOUNT, HH9_J2A_UNIT_X_Y_R, HH9_J2A_NUMBER_R, HH9_J5_FREECARE_X_Y, HH9_J9_SUBSIDIES, HH9_J9A_AMOUNT_X_Y, HH9_J9B_UNIT_X_Y_R, HH9_J11_SAME, HH9_J11_ASKED, HH9_HRS_WEEK_PROV, HH9_J11_OTHCHLDRN
Notes	Numeric value: Direct charges paid by HHM(s) to provider for Child X - Provider Y.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Ineligible for Section J	9,455
-1	No amount available because responses were Don't Know/Refused/Missing	774
0	Free care or no cost to HHMs	6,216
1	Any positive value	2,560
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_SUBSIDY_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Subsidy amount paid directly to HHM(s) for care of Child X Provider Y
Original variables used	HH9_J10_SUBELIG, HH9_J9_SUBSIDIES, HH9_J9A_AMOUNT_X_Y, HH9_J9B_UNIT_X_Y_R
Notes	Numeric value: Amount paid directly to household from other sources for Child X - Provider Y.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	74.39
10th	12.82
25th	25.58
75th	100.00
90th	135.00
Min	3.49
Max	604.65
-9 (No Child X, no Provider Y): Frequency	752,194
-8 (Child X but no Provider Y): Frequency	192,338
-7 (Provider Y but no Child X): Frequency	104,648
-6 (Provider Y does not care for Child X): Frequency	12,391
-4 (Valid skip): Frequency	8,909
-2 (Ineligible for Section J): Frequency	9,455
-1 (No amount available because responses were Don't Know/Refused/Missing): Frequency	566

HH9_OTHPAYPROV_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label Payment to Provider Y for Child X from other sources, no other amounts

Original HH9_J3_OTHSOURCE
variables used

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Ineligible for Section J	9,455
-1	No amount available because responses were Don't Know/Refused/Missing	720
0	Payments were made to the provider by other sources.	8,211
1	No payments were made to the provider by other sources.	619
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_ANY_SUBS_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Indicator variable for any subsidy was paid to the household for Child X Provider Y (=1 for any subsidy paid)
Original variables used	HH9_J10_SUBELIG, HH9_J9_SUBSIDIES, HH9_J9A_AMOUNT_X_Y, HH9_J9B_UNIT_X_Y_R

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Ineligible for Section J	9,455
-1	No amount available because responses were Don't Know/Refused/Missing	550
0	No subsidy paid to household for this arrangement	8,909
1	Subsidy was paid to household for this arrangement	91
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_COPAY_FLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Any copayment paid to Provider Y by HH for care of Child X
Original variables used	HH9_J7_COPAY, HH9_J10_SUBELIG, HH9_J1_CHARGE, HH9_S1, HH9_B1A1_NUMHH

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-4	Valid skip	2,480
-2	Ineligible for Section J	9,455
-1	No amount available because responses were Don't Know/Refused/Missing	696
0	No copayment	6,165
1	Indicator for copayment	209
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_J11AMTFLAG_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	HHM X: Other children in Prov Y have same pymnt, rmbrsmnt & subsidy arrngmnts
Notes	This binary variable indicates that the HHM reported that other children in the same provider have the same payment, reimbursement, and subsidy arrangements. Values for later children in care of same provider were imputed. In cases where values were split between multiple children, values for initial child is also imputed.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-4	Valid skip	487
-2	Ineligible for Section J	9,455
0	Not imputed	8,004
1	Flag	1,059
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_FLAG_J2_IMP_UNIT_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Imputation flag for direct charges paid to the Provider Y for Child X
Notes	Imputed unit flag for payment (=1 for imputed). Amounts were reported in different units. Imputation was carried out if the unit was missing, amount present or amount was missing, unit was present in the data and only those values are flagged.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Ineligible for Section J	9,455
-1	Data unavailable	774
0	Not imputed	8,759
1	Imputed unit or amount	17
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_FLAG_J2_OUT_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Outlier flag for direct charges paid to the Provider Y for Child X
Original variables used	HH9_J1_CHARGE_X_Y, HH9_J2_AMOUNT, HH9_J2A_UNIT_X_Y_R, HH9_J2A_NUMBER_R
Notes	Outlier flag for payments (=1 for outliers). Amounts were reported in different units. Outliers were identified within each unit as values higher than the mean plus 4 times the standard deviation.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-9	No Child X, no Provider Y	752,194
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
-2	Ineligible for Section J	9,455
-1	Data unavailable	774
0	Not an outlier	8,758
1	Outlier	18
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_NPC_COST_WEEKLY_TC

Variable label	Weekly cost of care for HH (Top coded)
Original variables used	HH9_NPC_COST_WEEKLY, HH9_WEEKLY_COST_CARE_X_Y, HH9_WEEKLY_PAYMENT_X_Y, HH_SUBSIDY_X_Y
Notes	<p>This variable captures the weekly cost of care for the household in dollars (with two decimal places). Weekly cost of care variables for each child and provider pair is the weekly direct charges minus any subsidy paid directly to the household. The variable represents the household's costs for all regular ECE arrangements for all children under age 13. Households where all ECE arrangements are not regular are assigned a reserved code (value -1). Households that only use parental care are assigned a cost of \$0. Unpaid regular ECE arrangements are assigned a cost of \$0.</p> <p>In some cases, the subsidy amount was higher than the amount of direct charges, which gives rise to negative values. These negative values are contained in a separate variable called HH9_NPC_COST_NEG_WEEKLY_TC.</p> <p>These variables are constructed from the questions posed in Section J of the Household Questionnaire; based on child-provider pairs identified in Section C and internal pathing within Section J.</p> <p>To prevent disclosure, variable was top coded so that 1% of cases was recoded to median of that top 1%.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	61.32
10th	0.00
25th	0.00
75th	86.51
90th	200.00
Min	0.00
Max	979.54
-6 (Value out of range (Negative Household Cost of Care Value)): Frequency	4
-1 (Missing due to missing or skipped data on child care arrangements in household): Frequency	4,175

HH9_NPC_COST_NEG_WEEKLY_TC

Variable label	Weekly cost of care for HH only for negative values (Top coded)
Original variables used	HH9_WEEKLY_COST_CARE_X_Y, HH9_WEEKLY_PAYMENT_X_Y, HH_SUBSIDY_X_Y
Notes	<p>This variable captures the negative values of weekly cost of care for the household in dollars (with 2 decimal places). Weekly cost of care variables for each child and provider pair is the weekly direct charges minus any subsidy paid directly to the household. The variable represents the household's costs for all regular ECE arrangements for all children under age 13. Households where all ECE arrangements are not regular are assigned a reserved code (value -1). Households that only use parental care are assigned a cost of \$0. Unpaid regular ECE arrangements are assigned a cost of \$0.</p> <p>In some cases, the subsidy amount was higher than the amount of direct charges, which gives rise to negative values. For positive cost of care, please refer to variable HH9_NPC_COST_WEEKLY_TC.</p> <p>These variables are constructed from the questions posed in Section J of the Household Questionnaire; based on child-provider pairs identified in Section C and internal pathing within Section J.</p> <p>To prevent disclosure, variable was top coded so that 1% of cases was recoded to median of that top 1%.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	94.31
10th	41.86
25th	48.86
75th	139.76
90th	140.00
Min	41.86
Max	140.00
-6 (Value out of range (Negative Household Cost of Care Value)): Frequency	4,397
-1 (Missing due to missing or skipped data on child care arrangements in household): Frequency	4,175

HH9_NPC_COST_BURDEN_MONTH_TC

Variable label	Monthly cost burden for the household for regular ECE (Top coded)
Original variables used	HH9_WEEKLY_COST_CARE_X_Y, HH9_ECON_INCOME_MONTHLY
Notes	<p>This variable captures the monthly cost burden for the household for regular early care and education (ECE).</p> <p>Cost burden is calculated as the ratio of monthly household cost of care and the reported monthly income of the household. Households have a calculated cost burden only if they had a valid weekly cost of care value (HH9_NPC_COST_WEEKLY), including households that had at least one regular ECE arrangement for a child under age 13 years and also households that only used parental care. Monthly cost of care was calculated as: weekly cost of regular ECE [HH9_NPC_COST_WEEKLY]*4.2. For monthly income, see documentation for HH9_ECON_INCOME_MONTHLY.</p> <p>Imputation was performed to adjust monthly income values by a multiple of 10 in some cases; see documentation for HH9_MONTHLY_INC_IMPFLAG_BURDEN for details.</p> <p>To prevent disclosure, variable was top coded so that 1% of cases was recoded to median of that top 1%.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	0.06
10th	0.00
25th	0.00
75th	0.07
90th	0.17
Min	0.00
Max	1.09
-6 (Value out of range (Negative Household Cost of Care Value)): Frequency	4
-4 (Household cost of care is a valid skip): Frequency	3,929
-3 (Household cost of care is don't know/missing/refused): Frequency	246
-2 (Monthly income is zero): Frequency	47

HH9_MONTHLY_INC_IMPFLAG_BURDEN

Variable label	Flag: Imputed monthly HH income used to calculate HH9_NPC_COST_BURDEN_MONTH
Original variables used	HH9_WEEKLY_COST_CARE_X_Y, HH9_ECON_INCOME_MONTHLY, HH9_NPC_COST_BURDEN_MONTH
Notes	This variable captures if the imputed monthly household income variable was used to calculate HH9_NPC_COST_BURDEN_MONTH. In some cases, reported monthly income and calculated monthly income (i.e., annual income/12 months) were off by multiples of 10. In these cases, presumed missing zeros were imputed in the reported monthly income value to calculate the HH9_NPC_COST_BURDEN_MONTH, by multiplying reported monthly income value by 10 or 100. Only households with monthly income stated as less than \$1000 a month were eligible for imputation.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-1	Not applicable	4,175
0	No imputation	4,395
1	Imputation	6
Total		8,576

15. COMMUNITY CHARACTERISTICS

Community characteristics are weighted averages of census tract counts of populations, with weights inversely proportional to distance between the anchored census tract and each reference census tract located in a two miles radius. This section includes two variables that reflect the community characteristics of where the NSECE's households are located:

- ▶ **Community Poverty Density:** The source data was extracted from the 2013-2017 American Community Survey (ACS) database at the level of census tracts. The raw data was formed with basic tables from the 2013-2017 5-years averages ACS from the American FactFinder website (<http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>). ACS 2013 5-year files are used because they are the latest data files that use the tract boundaries used for the NSECE sample selection and design.
- ▶ **Community Urban Density:** The source data was extracted from the 2010 Census at the level of census tracts.

Both variables were subject to the same weighting process, which involves inversely weighting the contribution of each scatter tract to the household provider cluster's community characteristics value: as the distance between an anchor tract and scatter tract increases, the contribution of that scatter tract to the community characteristic value decreases proportionally.

For households in the NSECE, community or communities refer to the provider cluster for the household (please refer to section 2.1 for more details on the NSECE sampling design and the definition of the provider cluster). Anchoring on the census tract where each sampled household was located, we computed community characteristics with reference to all neighboring census tracts overlapping with a circle of two miles radius centered at the population centroid of the anchor tract.

To protect against disclosure, most community characteristics variables and the continuous versions of poverty and urban density are only available in the level-2 restricted-use data file.

The following variables can be found in this section:

Variable Name	Variable Description
HH9_COMM_POVERTY_DENSITY	Household: Community poverty density
HH9_COMM_URBAN_DENSITY	Household: Urban ratio categories

HH9_COMM_POVERTY_DENSITY

Variable label	Household: Community poverty density
Notes	<p>This variable is an indicator of the “density” of low-income population in the community where the household was located. Community or communities refer to the catchment area for the center-based provider.</p> <p>The raw data is from external data sources. Specifically, raw variables were extracted from 2013-2017 American Community Survey (ACS) database, at the Census-tract level.</p> <p>Poverty density is determined by the percentage of the total population with income below certain levels. To categorize the local community, the weighted percentage of individuals in the local community that are below the Federal Poverty Level (FPL) was used accordingly:</p> <ul style="list-style-type: none">• High Poverty Density (>20% of population below FPL),• Moderate-Poverty Density (13.9-20% of population below FPL)• Low-Poverty Density (0-13.8% of population below FPL). <p>The variable HH9_COMM_POVERTY_DENSITY is calculated as the ratio of total population in households with income below 100% the 2017 FPL to the total population. To determine an individual's poverty status, the ACS compares the individual's total family income in the previous 12 months with the poverty threshold appropriate for that individual's family size and composition. See ACS Subject Definitions documentation for more detail: https://www2.census.gov/programs-surveys/acs/tech_docs/subject_definitions/2017_ACSSubjectDefinitions.pdf</p> <p>The NSECE's restricted-use household data file contains a continuous version of this variable. The continuous version presents each case's specific weighted percentage of community poverty density, instead of categorizing that density into three classifications as in the version described here for the public-use data file .</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Low poverty density	3,379
2	Moderate poverty density	2,466
3	High poverty density	2,731
Total		8,576

*Count represents the number of households in each category

HH9_COMM_URBAN_DENSITY

Variable label	Household: Urban ratio categories
Notes	<p>This variable was derived using census tract variables from the 2010 Census using the Census Bureau's data portal (https://data.census.gov/). The variable summarizes the urban density of all tracts in the community surrounding the household, giving more influence to tracts nearer the household.</p> <p>This variable, HH9_COMM_URBAN_DENSITY, classifies communities into 3 categories along a continuum of urban population density.</p> <p>After examining the distribution of the ratio of urban population-to-total population in all NSECE communities (using the community characteristics data), NSECE communities were classified across the urban-rural spectrum as follows:</p> <ul style="list-style-type: none">• High density of urban population (values greater than or equal to 0.85)• Moderate density of urban population (values greater than or equal to 0.3 and less than 0.85)• Rural population (values less than 0.3) <p>The NSECE's restricted-use household data file contains a continuous version of this variable. The continuous version presents each case's specific weighted percentage of community urban density, instead of categorizing that density into three classifications as in the version described here for the public-use data file.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	High density of urban population	6,456
2	Moderate density of urban population	1,339
3	Rural population	781
Total		8,576

*Count represents the number of households in each category

16. DISTANCE VARIABLES

NSECE geocoded addresses from households, providers of children's ECE, HHMs' employment location, and location of nonresident parents. These geo-coded data were subsequently used to calculate distance between household and providers; household and workplaces; workplaces and providers, employment's location; and non-residential parents' location and household where children reside.

The household public-use data file includes measures of distance between a child's home and the location of an ECE provider as well as distance between a child's home and the location of nonresident parents. Other measures of distance between household and workplaces, and between workplaces and providers of non-parental care are available in restricted-use data files.

In the 2012 NSECE, distance was calculated as straight-line miles between point A and point B (i.e. "crow flies distance" or Euclidean distance). In the 2019 NSECE, we calculated two additional measures of distance, namely, distance of the fastest travel route between point A and point B in both minutes in miles. The public-use data files only include distance calculated as straight-line, in miles. To minimize disclosure, public-use files only include categorical versions of these variables. All other measures of distance are available in restricted-use data files.

The distance between households and providers of non-parental care is reported in two different sets of variables. One set reports distance between the household and each provider of non-parental care. This set includes 14 variables, one for each provider (HH9_DIS_HHPROD_C_X, X=1-14 providers, categorical version of variable). The other set reports distance between each child and each provider of non-parental care. This set includes 126 variables, one for each arrangement of non-parental care (HH9_DIS_PROV_CH_C_X_Y, X=1-9 CHILD, Y=1-14 providers, categorical version of variable). These variables are directly comparable to their 2012 counterparts (HH_DIS_HHPROD_C_Y, Y=1-12 providers and HH_DIS_PROV_CH_C_X_Y, X=1-9 child, Y=1-12 provider).

The table below provides a list of all the distance measures currently available in different files.

Variable Name	Variable description	Variable type	Data file where variables are included
HH9_DIS_HHPROD_C_C_X (X=1-14 providers)	Distance between household and Provider Y, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Continuous variable	Restricted-use
HH9_DIS_HHPROD_S_CC_X (X=1-14 providers)	Distance between household and Provider Y, fastest travel route in miles (i.e. “street distance”)	Continuous variable	Restricted-use
HH9_DIS_HHPROD_T_CC_X (X=1-14 providers)	Distance between household and Provider Y, fastest travel route in minutes (i.e. “travel distance”)	Continuous variable	Restricted-use
HH9_DIS_HHPROD_C_X (X=1-14 providers)	Distance between household and Provider Y, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Categorical variable	Public-use
HH9_DIS_HHNONRES_PAR_CC_X_Y (X=1-2 parent Y=1-9 child)	Distance between child’s home Y and non-residential parent X, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Continuous variable	Restricted-use
HH9_DIS_HHNONRES_PAR_S_CC_X_Y (X=1-2 parent Y=1-9 child)	Distance between child’s home Y and non-residential parent X, fastest travel route in miles (i.e. “street distance”)	Continuous variable	Restricted-use
HH9_DIS_HHNONRES_PAR_T_CC_X_Y (X=1-2 parent Y=1-9 child)	Distance between child’s home Y and non-residential parent X, fastest travel route in minutes (i.e. “travel distance”)	Continuous variable	Restricted-use
HH9_DIS_HHNONRES_PAR_C_X_Y (X=1-2 parent Y=1-9 child)	Distance between child’s home Y and non-residential parent X, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Categorical variable	Public-use
HH9_DIS_PROV_CH_CC_X_Y (X=1-9 CHILD, Y=1-14 providers)	Distance between child’s X home and Provider Y, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Continuous variable	Restricted-use
HH9_DIS_PROV_CH_S_CC_X_Y (X=1-9 CHILD, Y=1-14 providers)	Distance between child’s X home and Provider Y, fastest travel route in miles (i.e. “street distance”)	Continuous variable	Restricted-use
HH9_DIS_PROV_CH_T_CC_X_Y (X=1-9 CHILD, Y=1-14 providers)	Distance between child’s X home and Provider Y, fastest travel route in minutes (i.e. “travel distance”)	Continuous variable	Restricted-use
HH9_DIS_PROV_CH_C_X_Y (X=1-9 CHILD, Y=1-14 providers)	Distance between child’s X home and Provider Y, in linear miles (i.e. “crow flies distance” or Euclidean distance)	Categorical variable	Public-use

HH9_DIS_HHPROD_C_X (X=1-14 PROVIDERS)

Variable label	Distance between household and Provider Y, in miles (categorical variable)
Original variables used	C6, C7, C8
Notes	<p>Distance between household and Provider Y, in miles. If a household that only had one non-resident parent indicated that a non-resident parent was a provider, then this distance variable included that non-resident parent as a provider.</p> <p>Reserve code -11 was assigned whenever there were two non-resident parents and it was not possible to identify which one of these two non-resident parents cared for children in the household. Reserve code -9 was assigned if either (1) there was no provider in the loop, or (2) there was a non-resident parent in the loop who was not a provider.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-999	No geocoding information, distance could not be calculated	1,272
-11	Nonresident parent provider address could not be identified	152
-9	No Provider Y	105,123
1	0 miles, provider cares for child at child's home	2,741
2	>0 to <= 1 mile	3,477
3	>1 to <= 3 miles	3,144
4	>3 to <= 8 miles	2,415
5	>8 miles	1,740
Total		120,064

*Count represents the sum of responses across the fourteen loops of non-parental care

HH9_DIS_PROV_CH_C_X_Y (X=1-9 CHILDREN, Y=1-14 PROVIDERS)

Variable label	Distance between Child's X home and Provider Y, in miles (categorical var)
Original variables used	C6, C7, C8
Notes	<p>Distance between Child X's home and Provider Y, in miles. If a household that only had one non-resident parent indicated that a non-resident parent was a provider, then this distance variable included that non-resident parent as a provider.</p> <p>Reserve code -11 was assigned whenever there were two non-resident parents and it was not possible to identify which one of these two non-resident parents cared for the child.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-999	No geocoding information, distance could not be calculated	1,541
-11	Nonresident parent provider address could not be identified	153
-9	No Child X, no Provider Y	752,379
-8	Child X but no Provider Y	192,338
-7	Provider Y but no Child X	104,648
-6	Provider Y does not care for Child X	12,391
1	0 miles, provider cares for child at child's home	3,766
2	>0 to <= 1 mile	4,447
3	>1 to <= 3 miles	3,904
4	>3 to <= 8 miles	3,015
5	>8 miles	1,994
Total		1,080,576

*Count represents the sum of responses across the fourteen loops of non-parental care for nine loops of children

HH9_DIS_HHNONRESPAR_C_X_Y (X=1-2 PARENTS, Y=1-9 CHILDREN)

Variable label	Distance between Child's home Y and non-residential Parent X, in miles (categorical)
Original variables used	A2G2, A2G2_ZIP, A2G2_CS
Notes	Distance between child's home Y and non-residential parent X, in miles (categorical)

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-999	No geocoding information, distance could not be calculated	153
-9	Household does not have any non-residential parents	152,152
2	>0 to <= 1 mile	161
3	>1 to <= 3 miles	394
4	>3 to <= 8 miles	426
5	>8 miles	1,082
Total		154,368

*Count represents the sum of responses across the two loops of non-resident parents for nine loops of children

17. RESPONDENT AND RESPONDENT'S SPOUSE EMPLOYMENT SCHEDULE

This section contains variables that describe the work attendance of the parents in the household from the prior week. The following variables can be found in this section:

Variable Name	Variable Description
HH9_PARWORK_STATUS	Whether all/some/no parents in HH attended work last week
HH9_PARWST_STATUS	Whether all/some/no parents in HH attended work/school/training last week

HH9_PARWORK_STATUS

Variable label	Whether all/some/no parents in HH attended work last week
Original variables used	HH9_HHCOMP_NUMPARENTS, HH9_ECON_PARWORK, HH9_D1A_WORK_X (X=1-12 HHM),
Notes	<p>This variable is an indication of whether all, some, or no parents in the HH worked the week prior to taking the survey. The total number of parents for the HH was pulled from the variable HH9_HHCOMP_NUMPARENTS.</p> <p>Note that this variable is not a count of HHMs who work, but rather a count of parents in the household who work. Furthermore, parents refer to parents of <i>any</i> child in the HH under age 13, not necessarily any specific child.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Don't Know/Refused/No Answer	3
-1	No parents	301
0	No parents worked last week	1,613
1	Some parents worked last week	2,075
2	All parents worked last week	4,584
Total		8,576

*Count represents the number of households in each category

HH9_PARWST_STATUS

Variable label	Whether all/some/no parents in HH attended work/school/training last week
Original variables used	HH9_D1A_WORK_X (X=1-12 HHM), HH9_D1B_SCHOOL_X (X=1-12 HHM), HH9_D1C_TRAINING_X (X=1-12 HHM)
Notes	<p>This variable is an indication of whether all, some, or no parents in the HH worked, went to school, or went to trainings the week prior to taking the survey. The total number of parents for the HH was pulled from the variable HH9_HHCOMP_NUMPARENTS.</p> <p>Note that this variable is not a count of HHMs who work, go to school, or attend trainings, but rather a count of parents in the household who did one of these three activities. Furthermore, parents refer to parents of <i>any</i> child in the HH under age 13, not necessarily any specific child.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Don't Know/Refused	3
-1	No parents	301
0	No parents attended work/school/training last week	1,465
1	Some parents attended work/school/training last week	1,954
2	All parents attended work/school/training last week	4,853
Total		8,576

*Count represents the number of households in each category

18. SEARCH FOR AND PERCEPTIONS OF NON-PARENTAL CARE

This section provides information on the respondents' search for childcare, including what qualities were important in their search and the outcome of that search. The following variables can be found in this section:

Variable Name	Variable Description
HH9_SELECTAGE	Age of selected child (from C14)
HH9_SEL_GROUPS	Age groups of selected children
HH9_F2A_CHILD_X (X=1-9 CHILDREN)	R was also searching for care for Child X during most recent search for care
HH9_F3_REASON_R	Main reason R was looking for care at recorded time
HH9_C14_SELECT	Position of the randomly selected child in the child roster collected at HH9_A1
HH9_C14_1_X (X=1-4 TOC)	R's rating of type of care: nurturing environment
HH9_C14_2_X (X=1-4 TOC)	R's rating of type of care: helping children be ready to learn in school
HH9_C14_3_X (X=1-4 TOC)	R's rating of type of care: teaching children to get along with other children
HH9_C14_4_X (X=1-4 TOC)	R's rating of type of care: safety for children
HH9_C14_5_X (X=1-4 TOC)	R's rating of type of care: affordability
HH9_C14_6_X (X=1-4 TOC)	R's rating of type of care: flexibility for parents
HH9_C14A_1_NURTUR	Importance of loving environment of providers considered for [SELECTED CHILD]
HH9_C14A_2_EDU	Importance of helping children be ready to learn in school for [SELECTED CHILD]
HH9_C14A_3_SOC	Importance of learning to get along with other children for [SELECTED CHILD]
HH9_C14A_4_AFFORD	Importance of affordability of providers considered for [SELECTED CHILD]
HH9_C14A_5_FLEX	Importance of flexibility of providers considered for [SELECTED CHILD]
HH9_F4_TYPE_R	Type of care R was mostly using for [SELECTED CHILD] at time of last search
HH9_F5_MULTIPLE	Number of providers R considered during last child care search for [SELECTED CHILD]
HH9_F6A_PRIVTYPE	Type of only provider considered (HH_F5_MULTIPLE=2)
HH9_F6A_PERSONAL	Whether the respondent only considered any type of home-based provider that they had a personal relationship with for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6A_NOPERSONAL	Whether the respondent only considered any type of home-based provider that they did not have a personal relationship with for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6A_CENTER	Whether the respondent only considered a center-based provider for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6A_OTH	Whether the respondent only considered any other type of provider (not center-based, home-based, or a family or friend) for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6B_FRIEND	Whether the respondent only considered a provider they or a family member/friend personally knew for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6B_REFER	Whether the respondent only considered a provider from a resource or referral agency for [SELECTED CHILD NAME] in their search for child care in the last 2 years

Variable Name	Variable Description
HH9_F6B_AD	Whether the respondent only considered a provider from an advertisement for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6B_OTH	Whether the respondent only considered a provider because of its reputation in the community or because there were no other providers of their desired type for [SELECTED CHILD NAME] in their search for child care in the last 2 years
HH9_F6B_KNOWLEDGE2	How R learned about provider they considered for care
HH9_F7_SEARCH_M_X_R (X=01-18 SELECT ALL THAT APPLY VARIABLES)	This set of variables indicates how the respondent looked for the providers they considered in their last search for care for [SELECTED CHILD NAME]
HH9_F8B_INFO_X (X=1-16 SELECT ALL THAT APPLY VARIABLES)	What type of information the respondent looked for about the providers they considered in their last search for care for [SELECTED CHILD NAME]
HH9_F9C_CENTER	Whether the respondent considered any type of center care for [SELECTED CHILD NAME] among the providers they considered in their search for child care in the last 2 years
HH9_F9C_PERSONAL	Whether the respondent considered any type of home-based provider that they had a prior personal relationship with for [SELECTED CHILD NAME] among the providers they considered in their search for child care in the last 2 years
HH9_F9C_NOPERSONAL	Whether the respondent considered any type of home-based provider that they did not have a prior personal relationship with for [SELECTED CHILD NAME] among the providers they considered in their search for child care in the last 2 years
HH9_F9C_OTH	Whether the respondent considered any other type of provider (not center-based, home-based, or a family or friend) for [SELECTED CHILD NAME] among the providers they considered in their search for child care in the last 2 years
HH9_F9C_TYPE_X_R (X=1-2 PROVIDERS)	The type of provider the respondent considered in their last search for care for [SELECTED CHILD NAME]
HH9_F9L_COVERHOURS_X (X=1-2 PROVIDERS)	Whether each provider the respondent considered in their last search for care for [SELECTED CHILD NAME] would cover the hours of care that the respondent needed
HH9_F9M_QUAL_X (X=1-2 PROVIDERS)	Whether the respondent's rating of each provider they considered in their last search for care for [SELECTED CHILD NAME]
HH9_F10_CENTER	Whether R considered any child-care centers/orgs for [school-age] children
HH9_F11_FFN	Whether R considered asking someone R knew to care for child
HH9_F12_FAMILY	Whether R considered asking someone who provides care at home but R didn't know
HH9_F13_RESULT_M_R	Result of R's search for child care
HH9_F14_REASON_R	Main reason R made child care provider decision
HH9_RESULT	Result of search in last 24 months
HH9_F13A_CHOOSE	Whether R chose the first or second provider R reported
HH9_F2_MOYR_R	Month and year that R last searched for care

HH9_SELECTAGE

Variable label	Age of selected child (from C14)
Original variables used	HH9_C14_SELECT, HH9_AGEALC_X (X=1-9)
Notes	<p>This variable identifies the age of the randomly selected child in item C14 that the household respondent completed section F for. Section F collected information on the household's last search for non-parental care in reference to this selected child. Age is reported in years.</p> <p>The selection rules implemented in item C14 are different in 2012 and 2019. In 2012, C14 randomly selected one child from all children living in the household, regardless of their age. In 2019, children under age 6 were selected first. A child over 6 was selected only if there was no other child under age 6.</p>

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	4.88
10th	1.00
25th	2.00
75th	8.00
90th	11.00
Min	0.00
Max	13.00

HH9_SEL_GROUPS

Variable label	Age groups of selected children
Original variables used	HH9_C14_SELECT, HH9_AGEALC_X (X=1-9)
Notes	<p>This variable provides the age category of the randomly selected child in item C14 that the household respondent completed section F for. Section F collected information on the household's last search for non-parental care in reference to this selected child. Age categories are reported in months.</p> <p>The selection rules implemented in item C14 are different in 2012 and 2019. In 2012, C14 randomly selected one child from all children living in the household, regardless of their age. In 2019, children under age 6 were selected first. A child over 6 was selected only if there were no other child under age 6.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	0 to <12 mos	790
2	12 to <36 mos	1,883
3	36 to <60 mos	2,048
4	60 to <72 mos	974
5	72 to <108 mos	1,011
6	108+ mos	1,870
Total		8,576

*Count represents the number of households in each category

HH9_F2A_CHILD_X (X=1-9 CHILDREN)

Variable label	R was also searching for care for Child X during most recent search for care
Items affecting eligibility	F2, S1
Original variables used	HH9_F2A_CHILD
Notes	<p>This set of variables indicates whether the respondent was also searching for care for Child X during their most recent research for care and is a direct response to survey item F2a:</p> <p>F2a.</p> <p>Were you also searching for care for another child at the same time?</p> <ol style="list-style-type: none">1. NO OTHER CHILD2. Child13. Child24. Child35. Child46. Child57. Child68. Child79. Child810. Child911. Child1012. Don't know/Refused <p>Survey item F2 was only asked of respondents who indicated in survey item S1 that there was more than one child in their household and in survey item HH9_F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of "Valid Skip" for each child.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	65,079
0	No	10,560
1	Yes	1,545
Total		77,184

*Count represents the sum of responses across the nine loops of children

HH9_F3_REASON_R

Variable label	Main reason R was looking for care at recorded time
Items affecting eligibility	F2
Original variables used	HH9_F3_REASON
Notes	<p>This variable indicates the main reason why the respondent was looking for care at the given time and is a direct response to survey item F3:</p> <p>F3.</p> <p>What is the main reason that you were looking for child care at that time?</p> <ol style="list-style-type: none">1. So that I could work/change in work schedule2. To provide my child educational or social enrichment3. To give me some relief4. To fill in gaps left by my main provider or before/after school5. Wasn't satisfied with care6. Wanted to reduce child care expenses7. Provider stopped providing care8. Child no longer eligible for previous care (e.g., aged out or summer break)9. Other11. So that R or R's spouse could go to school/school schedule changed12. Don't know/Refused13. Added: Family moved to new area14. Added: Change in family/household composition (e.g., death, divorce, pregnancy, new baby, etc.)15. Added: Health problems created need for care arrangement16. Added: Needed a provider who was closer to home or work17. Added: Wanted to give provider relief18. Added: Provider moved <p>Survey item F3 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	So that R could work/change in work schedule	1,134
2	To provide R's child educational or social enrichment	529
3	To give R some relief	89
4	To fill in gaps left by R's main provider or before/after school	149
5	Wasn't satisfied with care	97
6	Wanted to reduce child care expenses	65
7	Provider stopped providing care	113
8	Child no longer eligible for previous care (e.g. aged out or summer break)	82
9	Other	30
10	Don't Know/Refused	13
11	Added: So that R or R's spouse could go to school/school schedule changed	29
12	Added: Family moved to new area	34
13	Added: Change in family HH comp. (e.g. death, divorce, pregnancy, new baby, etc)	30
14	Added: Health problems created need for care arrangement	9
15	Added: Needed a provider who was closer to home or work	17
16	Added: Wanted to give Provider relief	11
18	Added: Care during a temporary commitment by parent(s)/R	24
19	Added: Needed care that could provide transportation to/from school	2
20	Added: Specific extra-curricular activity (e.g. violin lessons, skiing lessons)	2
21	Added: Child WANTED to go to program	2
22	Added: To learn what arrangements were avail/learn about oth options in case	17
23	Added: Child needed special help (e.g. speech therapy, disabled, bilingual, etc)	5
24	Added: Specific reason not given	1
Total		8,576

*Count represents the number of households in each category

HH9_C14_SELECT

Variable label	Position of the randomly selected child in the child roster collected at HH9_A1
Original variables used	HH9_C14_SELECT, HH9_A1
Notes	<p>Variable identifies the position of the randomly selected child in item C14 in the child roster collected in survey item HH9_A1. Section F collected information on the household's last search for non-parental care in reference to this selected child.</p> <p>The selection rules implemented in item C14 are different in 2012 and 2019. In 2012, C14 randomly selected one child from all children living in the household, regardless of their age. In 2019, children under age 6 were selected first. A child over 6 was selected only if there were no other children under age 6.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Child 1	6,712
2	Child 2	1,505
3	Child 3	288
4	Child 4	55
5	Child 5	13
6	Child 6	3
Total		8,576

*Count represents the number of households in each category

HH9_C14_1_X (X=1-4 TOC)

Variable label	R's rating of type of care: nurturing environment
Original variables used	HH9_C14_1_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on having a nurturing environment for children and is a direct response to survey item C14_1:</p> <p>C14_1.</p> <p>(Let's start with center care. Examples of center care include preschools, Head Start, an after school program at school, or a child care center.</p> <p>/Let us continue with relative or friend care, where a relative or close family friend cares for a child in the relative's/friend's home or the child's home.</p> <p>/Next let us think about family care, where an individual has a child care business in his or her own home and cares for a few or several children there.</p> <p>/Last, let us talk about parental care, where the parents are the only care providers a child has.)</p> <p>Now how would you rate it on having a nurturing environment for children of the same age as [SELECTED CHILD IN C14_SELECT]? Would you say: excellent, good, fair, poor?</p> <ol style="list-style-type: none"> 1. Excellent 2. Good 3. Fair 4. Poor 5. No opinion 6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	13,816
2	Good	11,033
3	Fair	3,673
4	Poor	1,069
5	No opinion	3,261
6	Don't Know/Refused	1,452
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14_2_X (X=1-4 TOC)

Variable label	R's rating of type of care: helping children be ready to learn in school
Original variables used	HH9_C14_2_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on helping children be ready to learn in school and is a direct response to survey item C14_2:</p> <p>C14_2. How would you rate [center care/relative or friend care/family day care/parental care] on helping children be ready to learn in school for children of the same age as [SELECTED CHILD IN C14_SELECT]? Would you say excellent, good, fair, poor?</p> <ol style="list-style-type: none">1. Excellent2. Good3. Fair4. Poor5. No opinion6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	10,145
2	Good	12,189
3	Fair	5,773
4	Poor	1,575
5	No opinion	3,211
6	Don't Know/Refused	1,411
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14_3_X (X=1-4 TOC)

Variable label	R's rating of type of care: teaching children to get along with other children
Original variables used	HH9_C14_3_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on teaching children how to get along and is a direct response to survey item C14_3:</p> <p>C14_3. How about [center care/relative or friend care/family day care/parental care] for teaching children how to get along with other children? (IF NEEDED: Would you say it is excellent, good, fair, poor very good, somewhat good, or not very good for children of the same age as [SELECTED CHILD IN C14_SELECT]?)</p> <ol style="list-style-type: none">1. Excellent2. Good3. Fair4. Poor5. No opinion6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	10,851
2	Good	12,828
3	Fair	4,887
4	Poor	1,343
5	No opinion	3,065
6	Don't Know/Refused	1,330
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14_4_X (X=1-4 TOC)

Variable label	R's rating of type of care: safety for children
Original variables used	HH9_C14_4_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on safety and is a direct response to survey item C14_4:</p> <p>C14_4. How about safety in center care/relative or friend care/family day care/parental care (for children of the same age as [SELECTED CHILD IN C14_SELECT])? (IF NEEDED: Would you say it is excellent, good, fair, poor for children of the same age as [[SELECTED CHILD IN C14_SELECT]]?)</p> <ol style="list-style-type: none">1. Excellent2. Good3. Fair4. Poor5. No opinion6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	13,855
2	Good	11,333
3	Fair	3,604
4	Poor	1,133
5	No opinion	3,026
6	Don't Know/Refused	1,353
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14_5_X (X=1-4 TOC)

Variable label	R's rating of type of care: affordability
Original variables used	HH9_C14_5_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on affordability and is a direct response to survey item C14_5:</p> <p>C14_5. How about affordability of center care/relative or friend care/family care/parental care? (IF NEEDED: Would you say this type of care is excellent, good, fair, poor in terms of parents being able to afford it?)</p> <ol style="list-style-type: none">1. Excellent2. Good3. Fair4. Poor5. No opinion6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	12,626
2	Good	8,518
3	Fair	4,939
4	Poor	3,174
5	No opinion	3,393
6	Don't Know/Refused	1,654
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14_6_X (X=1-4 TOC)

Variable label	R's rating of type of care: flexibility for parents
Original variables used	HH9_C14_6_X (X=1-4)
Notes	<p>This set of variables captures how the respondent rates different types of care on flexibility for parents who use that care and is a direct response to survey item C14_6:</p> <p>C14_6.</p> <p>How about flexibility for parents who use center care/relative or friend care/family care/parental care? (IF NEEDED: Would you say this type of care is excellent, good, fair, poor for parents' flexibility?)</p> <ol style="list-style-type: none">1. Excellent2. Good3. Fair4. Poor5. No opinion6. Don't know/Refused

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Excellent	11,823
2	Good	10,737
3	Fair	5,002
4	Poor	2,038
5	No opinion	3,189
6	Don't Know/Refused	1,515
Total		34,304

*Count represents the sum of responses across the 4 types of care

HH9_C14A_1_NURTUR

Variable label	Importance of loving environment of provs considered for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	H9_C14A_1_NURTUR
Notes	<p>This variable indicates the importance of a loving environment for providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item C14a_1</p> <p>C14A. Thinking about [SELECTED CHILD NAME], how important was a loving environment for him/her? Would you say very important, somewhat important, or not very important?</p> <ol style="list-style-type: none">1. Very Important2. Somewhat Important3. Not Very Important4. No Opinion5. Don't know/Refused <p>Survey item C14A_1 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Very Important	2,304
2	Somewhat Important	151
3	Not Very Important	17
4	No opinion	6
5	Don't Know/Refused/No Answer	6
Total		8,576

*Count represents the number of households in each category

HH9_C14A_2_EDU

Variable label	Importance of helping children be ready to learn in school for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	HH9_C14A_2_EDU
Notes	<p>This variable indicates the importance of helping children be ready to learn in school for providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item C14a_2:</p> <p>C14A_2. How about helping children being ready to learn in school? (IF NEEDED: Would you say it was very important, somewhat important, or not very important for [SELECTED CHILD NAME])?</p> <ol style="list-style-type: none">1. Very Important2. Somewhat Important3. Not Very Important4. No Opinion5. Don't know/Refused <p>Survey item C14A_2 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092.0
1	Very Important	1,934.0
2	Somewhat Important	396.0
3	Not Very Important	138.0
4	No opinion	9.0
5	Don't Know/Refused/No Answer	7.0
Total		8,576.0

*Count represents the number of households in each category

HH9_C14A_3_SOC

Variable label	Importance of learning to get along with other children for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	HH9_C14A_3_SOC
Notes	<p>This variable indicates the importance of learning to get along with other children for providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item C14a_3:</p> <p>C14a_3. How about learning how to get along with other children? (IF NEEDED: Would you say it was very important, somewhat important, or not very important for [SELECTED CHILD NAME])?</p> <ol style="list-style-type: none">1. Very Important2. Somewhat Important3. Not Very Important4. No Opinion5. Don't know/Refused <p>Survey item C14A_3 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Very Important	2,096
2	Somewhat Important	297
3	Not Very Important	76
4	No opinion	8
5	Don't Know/Refused/No Answer	7
Total		8,576

*Count represents the number of households in each category

HH9_C14A_4_AFFORD

Variable label	Importance of affordability of provs considered for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	HH9_C14A_4_AFFORD
Notes	<p>This variable indicates the importance of affordability for providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item C14a_4:</p> <p>C14a_5. How about affordability? (IF NEEDED: Would you say it was very important, somewhat important, or not very important)?</p> <ol style="list-style-type: none">1. Very Important2. Somewhat Important3. Not Very Important4. No Opinion5. Don't know/Refused <p>Survey item C14A_4 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Very Important	1,940
2	Somewhat Important	455
3	Not Very Important	68
4	No opinion	13
5	Don't Know/Refused/No Answer	8
Total		8,576

*Count represents the number of households in each category

HH9_C14A_5_FLEX

Variable label	Importance of flexibility of provs considered for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	HH9_C14A_5_FLEX
Notes	<p>This variable indicates the importance of flexibility for providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item C14a_5.</p> <p>C14A_6. How about flexibility for you? (IF NEEDED: Would you say it was very important, somewhat important, or not very important)?</p> <ol style="list-style-type: none"> 1. Very Important 2. Somewhat Important 3. Not Very Important 4. No Opinion 5. Don't know/Refused <p>Survey item C14a_5 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Very Important	1,810
2	Somewhat Important	552
3	Not Very Important	100
4	No opinion	13
5	Don't Know/Refused/No Answer	9
Total		8,576

*Count represents the number of households in each category

HH9_F4_TYPE_R

Variable label	Type of care R was mostly using for [SELECTED CHILD] at time of last search
Items affecting eligibility	F2
Original variables used	HH9_F4_TYPE, HH9_F4_OS
Notes	<p>This variable indicates the type of care the respondent was mostly using for [SELECTED CHILD] at time of last search and is a direct response to survey item F4:</p> <p>F4.</p> <p>At the time of that last search, what type of child care were you mostly using for [SELECTED CHILD NAME]?</p> <ol style="list-style-type: none">1. Parental care only2. Home-based provider I had prior personal relationship with3. Home-based provider I didn't have prior personal relationship with4. Center-based care5. Other6. Don't know/Refused7. Added: Siblings (child's)8. Added: Single activity care arrangement9. Added: Home-based provider - relationship uncertain10. Added: Child not born yet/just been born/not yet adopted or in custody11. Added: Summer Camp12. Added: Combination of center-based and home-based care (e.g., camp and family care, school and grandma, etc.)13. Added: Combination of all (1-4)14. Added: Child cared for him/herself <p>Survey item F4 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Parental care only	1,108
2	Home-based provider R had prior personal relationship with	505
3	Home-based provider R didn't have prior personal relationship with	159
4	Center-based care	629
5	Other	11
6	Don't Know/Refused/No Answer	16
7	Added: Siblings (child's)	3
8	Added: Single activity care arrangement	3
9	Added: Home-based provider - relationship uncertain	4
10	Added: Child not born yet/just been born/not yet adopted or in custody	36
11	Added: Summer Camp	7
12	Added: Combo. of CB & HB care (e.g. camp & family care, school & grandma, etc)	2
13	Added: Combination of all (1-4)	1
Total		8,576

*Count represents the number of households in each category

HH9_F5_MULTIPLE

Variable label	Number of provs R considered during last child care search for [SELECTED CHILD]
Items affecting eligibility	F2
Original variables used	HH9_F5_MULTIPLE
Notes	<p>This variable indicates the number of providers considered in the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F5:</p> <p>F5. Thinking about your last child care search for [SELECTED CHILD NAME] in [YEAR from F2], did you consider more than one provider as part of your search or did you consider only one provider? Please include providers you asked about, read about, or talked to, even if you didn't consider them seriously in your decision.</p> <ol style="list-style-type: none">1. More than one provider considered2. Only one provider considered3. Don't know/Refused <p>Survey item F5 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	More than one provider considered	1,477
2	Only one provider considered	976
3	Don't Know/Refused/No Answer	31
Total		8,576

*Count represents the number of households in each category

HH9_F6A_PRVTYPE

Variable label	Type of only provider considered (HH_F5_MULTIPLE=2)
Items affecting eligibility	F2, F5
Original variables used	HH9_F6A_PRVTYPE
Notes	<p>This variable indicates the number of provider considered in the respondent's last search for care for [SELECTED CHILD NAME] for those respondents who only considered one provider in their search and is a direct response to survey item F6a:</p> <p>F6a. (IF NOT ALREADY STATED: What type of provider is this?)</p> <ol style="list-style-type: none">1. Home-based provider I had prior personal relationship with2. Home-based provider I didn't have prior personal relationship with3. Center-based care4. Other5. Don't know/Refused <p>Survey item F6a was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they only considered one provider in their search. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	7,600
1	Home-based provider R had prior personal relationship with	157
2	Home-based provider R didn't have prior personal relationship with	105
3	Center-based care	568
4	Other	137
5	Don't Know/Refused/No Answer	9
Total		8,576

*Count represents the number of households in each category

HH9_F6A_PERSONAL

Variable label	Search – Any relative/friend considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6A_PRVTYPE
Notes	<p>This variable indicates whether the respondent only considered any type of home-based provider that they had a personal relationship with for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6a.</p> <ul style="list-style-type: none"> • Respondents who indicated that the provider they considered was a home-based provider that they had a prior relationship with they received a code of 1. • If the respondent indicated that they did not know the type of provider they considered or did not offer a valid response to survey item F6a for the center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. <p>Survey item F6a was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,600
-1	Don't Know/Refused/No answer	9
0	Did not consider this type of care	810
1	Considered this type of care	157
Total		8,576

*Count represents the number of households in each category

HH9_F6A_NOPERSONAL

Variable label	Search - Any HB no prior personal rel considered (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6A_PRVTYPE
Notes	<p>This variable indicates whether the respondent only considered any type of home-based provider that they had did not have a personal relationship with for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6a.</p> <ul style="list-style-type: none">• Respondents who indicated that the provider they considered was a home-based provider that they did not have a prior relationship with they received a code of 1.• If the respondent indicated that they did not know the type of provider they considered or did not offer a valid response to survey item F6a for the center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. <p>Survey item F6a was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,600
-1	Don't Know/Refused/No answer	9
0	Did not consider this type of care	862
1	Considered this type of care	105
Total		8,576

*Count represents the number of households in each category

HH9_F6A_CENTER

Variable label	Search – Any center care considered (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6A_PRVTYPE
Notes	<p>This variable indicates whether the respondent only considered a center-based provider for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6a.</p> <ul style="list-style-type: none">• Respondents who indicated that the provider they considered was a center-based provider they received a code of 1.• If the respondent indicated that they did not know the type of provider they considered or did not offer a valid response to survey item F6a for the center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. <p>Survey item F6a was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,600
-1	Don't Know/Refused/No answer	9
0	Did not consider this type of care	399
1	Considered this type of care	568
Total		8,576

*Count represents the number of households in each category

HH9_F6A_OTH

Variable label	Search – Other types of care considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6A_PRVTYPE
Notes	<p>This variable indicates whether the respondent only considered any type other type provider (not center-based, home-based, or a family or friend) for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6a.</p> <ul style="list-style-type: none">• Respondents who indicated that the provider they considered was something other than center-based, home-based, or a family or friend they received a code of 1.• If the respondent indicated that they did not know the type of provider they considered or did not offer a valid response to survey item F6A for the center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. <p>Survey item F6a was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered 1/unknown # providers	7,600
-1	Don't Know/Refused/No answer	9
0	Did not consider this type of care	830
1	Considered this type of care	137
Total		8,576

*Count represents the number of households in each category

HH9_F6B_FRIEND

Variable label	Search – Personally knew provider (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6B_KNOWLEDGE2
Notes	<p>This variable indicates whether the respondent only considered a provider they or a family member/friend personally knew for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6b.</p> <ul style="list-style-type: none"> • Respondents who indicated that the provider they considered was a friend/family member, a provider they had worked at or used in the past, or that they considered a provider that they knew personally in survey item F6B, then they received a code of 1. • If the respondent indicated that they did not know how they knew of the provider they considered or did not offer a valid response to survey item F6B for the center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. • Additionally, if the respondent indicated in survey item F6a that the one center they considered was a provider they had a personal relationship with they received a code of -2. <p>Survey item F6b was only answered by respondents who indicated in F2_MOYR that they searched for child care in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care and who indicated in survey item F6b that they had a prior relationship with the provider they considered in their search for care. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,766
-1	Don't Know/Refused/No answer	33
0	Did not consider this type of care	323
1	Considered this type of care	454
Total		8,576

*Count represents the number of households in each category

HH9_F6B_REFER

Variable label	Search – Resource or referral agency (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6B_KNOWLEDGE2
Notes	<p>This variable indicates whether the respondent only considered a provider from a resource or referral agency for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6b.</p> <ul style="list-style-type: none"> • Respondents who indicated that the provider they considered was recommended through a resource or referral agency in survey item F6b then they received a code of 1. • If the respondent indicated that they did not know how they knew of the provider they considered or did not offer a valid response to survey item F6b for the center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. • Additionally, if the respondent indicated in survey item F6a that the one center they considered was a provider they had a personal relationship with they received a code of -2. <p>Survey item F6b was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care and who indicated in survey item F6b that they had a prior relationship with the provider they considered. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,766
-1	Don't Know/Refused/No answer	33
0	Did not consider this type of care	704
1	Considered this type of care	73
Total		8,576

*Count represents the number of households in each category

HH9_F6B_AD

Variable label	Search – Saw advertisement (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6B_KNOWLEDGE2
Notes	<p>This variable indicates whether the respondent only considered a provider from an advertisement for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6b.</p> <ul style="list-style-type: none">• Respondents who indicated that the provider they considered was from an advertisement in survey item F6b then they received a code of 1.• If the respondent indicated that they did not know how they knew of the provider they considered or did not offer a valid response to survey item F6b for the center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2.• Additionally, if the respondent indicated in survey item F6a that the one center they considered was a provider they had a personal relationship with they received a code of -2. <p>Survey item F6b was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care and who indicated in survey item F6b that they had a prior relationship with the provider they considered. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,766
-1	Don't Know/Refused/No answer	33
0	Did not consider this type of care	654
1	Considered this type of care	123
Total		8,576

*Count represents the number of households in each category

HH9_F6B_OTH

Variable label	Search – Other types of care considered (1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F6B_KNOWLEDGE2
Notes	<p>This variable indicates whether the respondent only considered a provider because of its reputation in the community or because there were no other providers of their desired type for [SELECTED CHILD NAME] in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered only one provider in their search for care they were prompted to question F6b.</p> <ul style="list-style-type: none"> • Respondents who indicated that the provider they considered had a good reputation in the community or was the only provider of this type in their community in survey item F6B then they received a code of 1. • If the respondent indicated that they did not know how they knew of the provider they considered or did not offer a valid response to survey item F6b for the center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or considered more than one or an unknown number of providers in their search they received a code of -2. • Additionally, if the respondent indicated in survey item F6a that the one center they considered was a provider they had a personal relationship with they received a code of -2. <p>Survey item F6b was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered only one provider in their search for care and who indicated in survey item F6b that they had a prior relationship with the provider they considered. All other respondents received a code of -2 for “Valid Skip”.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered >1/unknown # providers	7,766
-1	Don't Know/Refused/No answer	33
0	Did not consider this type of care	650
1	Considered this type of care	127
Total		8,576

*Count represents the number of households in each category

HH9_F6B_KNOWLEDGE2

Variable label	How R learned about provider they considered for care
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F6B_KNOWLEDGE2
Notes	<p>This variable indicates how the respondent learned about the provider considered in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F6b:</p> <p>F6b. How did you know about this provider?</p> <p>-1. Don't Know/Refused</p> <ol style="list-style-type: none"> 1. Self/family members/friends work or worked in the center 2. Knew provider personally 3. Self/friends/family have used this provider in the past 4. Provider has good reputation in the community 5. No other providers of this type in the area 6. Saw advertisement online or elsewhere 7. Resource and referral agency 8. Don't know/Refused <p>Survey item F6b was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they only considered one provider in their search. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	7,766
1	R's self/family members/friends work or worked in the center	144
2	Knew provider personally	99
3	Self/friends/family have used this provider in the past	211
4	Provider has good reputation in the community	103
5	No other providers of this type in the area	24
6	Saw advertisement online or elsewhere	123
7	Resource and referral agency	73
8	Don't Know/Refused/No Answer	33
Total		8,576

*Count represents the number of households in each category

HH9_F7_SEARCH_M_X_R (X=01-18 SELECT ALL THAT APPLY VARIABLES)

Variable label	Method of last prov search
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F7_SEARCH_M, HH9_F7_SEARCH_OS
Notes	<p>This set of variables indicates how the respondent looked for the providers they considered in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F7. Respondents were able to check any items that applied to their last search for care.</p> <p>F7. How did you look for providers in your last search? (CODE FIRST TWO MENTIONS. DO NOT READ RESPONSES EXCEPT TO PROBE.)</p> <ol style="list-style-type: none"> 1. Asked friends and family with children 2. Asked providers I knew already 7. Asked a healthcare provider, clergy member, or other professional 18. Used social media to learn about providers from people I don't know well 3. Consulted a resource and referral agency or local community organization that helps parents find child care 4. Posted an ad or responded to an ad 5. Looked in paper directories for child care providers 10. Looked in electronic directories for child care providers 6. Got help from a welfare or social services caseworker 8. Other 9. Don't know/Refused 11. Added: Drove/rode around 12. Added: Asked School 13. Added: Previous Experience with Provider (e.g., through older siblings) 14. Added: Made phone calls 15. Added: In-person visits 16. Added: Near home or work/location 17. Added: Referral through church <p>Survey item F7 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered multiple providers in their search for care. All other respondents received a code of -2 for "Valid Skip".</p> <p>Each variable in the series HH9_F7_SEARCH_M_X (X=1-18) has the following values:</p> <ol style="list-style-type: none"> -2. Valid skip 0. Did not use this method 1. Used this method <p>The frequency table below only shows values equal to 1 or, equivalently, responses indicating the respondent used each method in the last search of ECE providers.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Method of last prov search: Asked friends and family with children	800
1	Method of last prov search: Asked providers R knew already	170
1	Method of last prov search: Consulted resource & referral agency/local comm org	168
1	Method of last prov search: Posted an ad/responded to an ad	35
1	Method of last prov search: Yellow pages/newspapers/bulletin boards	28
1	Method of last prov search: Welfare or social services	34
1	Method of last prov search: Asked healthcare provider/clergy mem/other prof	35
1	Method of last prov search: Other	3
1	Method of last prov search: Don't know/refused	4
1	Method of last prov search: added: Internet/Web/Online/Google/Craigslist	563
1	Method of last prov search: added: Drove/rode around	15
1	Method of last prov search: added: Asked school	7
1	Method of last prov search: added: Previous experience with provider	4
1	Method of last prov search: added: Made phone calls	10
1	Method of last prov search: added: In-person visits	17
1	Method of last prov search: added: Near home or work/location	10
1	Method of last prov search: added: Church referral	2
1	Method of last prov search: Used social media to learn frm ppl R didnt know well	384
Total		2,289

*Count represents the sum of "yes" responses for each category

HH9_F8B_INFO_X (X=1-16 SELECT ALL THAT APPLY VARIABLES)

Variable label	Info R tried to learn about potential provs
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F8B_INFO
Notes	<p>This set of variables indicates what type of information the respondent looked for on the providers they considered in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F8b:</p> <p>F8b. What was the specific information you tried to learn about providers?</p> <p>(RECORD VERBATIM AND CODE UP TO THREE MENTIONS, DO NOT READ CATEGORIES)</p> <p>-1. Don't Know/Refused</p> <ol style="list-style-type: none">1. Type of care2. Hours of care3. Willingness to accept or availability of subsidies4. Financial aid available5. Fees charged6. Geographic location7. Public transportation accessibility8. Content of program9. Year round care10. Services provided (e.g., transportation, meals, etc.)11. Languages spoken12. Curriculum/philosophy (including religion)13. Licensing status14. Teacher tenure/turnover15. Other16. Don't know/Refused <p>Survey item F8b was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered multiple providers in their search for care. All other respondents received a code of -2 for "Valid Skip".</p> <p>Each response to F8b was recoded into its own variable in the data file that has a code of 1 if it was selected by the respondent or a code of 0 if it was not selected.</p> <p>Each variable in the series HH9_F8B_INFO_X (X=1-16) has the following values:</p> <ol style="list-style-type: none">-2. Valid skip0. No1. Yes

The frequency table below only shows values equal to 1 or, equivalently, responses indicating the respondent tried to learn each type of information in the last search of ECE providers.

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
1	Type of Care	464
1	Hours of Care	632
1	Willingness to accept or availability of subsidies	60
1	Financial aid available	53
1	Fees charged	589
1	Geographic Location	265
1	Public transportation accessibility	17
1	Content of program	325
1	Year round care	27
1	Services provided (e.g., transportation, meals, etc.)	135
1	Languages spoken	22
1	Curriculum/philosophy (including religion)	249
1	Licensing status	96
1	Teacher tenure/turnover	52
1	Other	235
1	Don't Know/Refused/No answer	10
Total		3,231

*Count represents the sum of "yes" responses for each category

HH9_F9C_CENTER

Variable label	Search - Any center care considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F9C_TYPE_R_X
Notes	<p>This variable indicates whether the respondent considered any type of center care for [SELECTED CHILD NAME] in the providers they considered in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered more than one provider in their search for care they were prompted to question F9c for two of the providers they considered.</p> <ul style="list-style-type: none">• Respondents who indicated that one or both of the providers they considered were a center-based provider in F9c they received a code of 1.• If the respondent indicated that they did not know the type of providers they considered or did not offer a valid response to survey item F9c for either center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or only considered one or an unknown number of providers in their search they received a code of -2. <p>Survey item F9C was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered more than one provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered one/unknown # providers	7,099
-1	Don't Know/Refused/No answer	35
0	Did not consider this type of care	280
1	Considered this type of care	1,162
Total		8,576

*Count represents the number of households in each category

HH9_F9C_PERSONAL

Variable label	Search - Any relative/friend care considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F9C_TYPE_R_X
Notes	<p>This variable indicates whether the respondent considered any type of home-based provider that they had a prior personal relationship with for [SELECTED CHILD NAME] in the providers they considered in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered more than one provider in their search for care they were prompted to question F9C for two of the providers they considered.</p> <ul style="list-style-type: none"> • Respondents who indicated that one or both of the providers they considered were a relationship-based home provider in F9c they received a code of 1. • If the respondent indicated that they did not know the type of providers they considered or did not offer a valid response to survey item F9c for either center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or only considered one or an unknown number of providers in their search they received a code of -2. <p>Survey item F9c was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered more than one provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered one/unknown # providers	7,099
-1	Don't Know/Refused/No answer	81
0	Did not consider this type of care	1,027
1	Considered this type of care	369
Total		8,576

*Count represents the number of households in each category

HH9_F9C_NOPERSONAL

Variable label	Search - Any HB w/no prior personal rel considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F9C_TYPE_R_X
Notes	<p>This variable indicates whether the respondent considered any type of home-based provider that they did not have a prior personal relationship with for [SELECTED CHILD NAME] in the providers they considered in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered more than one provider in their search for care they were prompted to question F9c for two of the providers they considered.</p> <ul style="list-style-type: none">• Respondents who indicated that one or both of the providers they considered were a non-relationship-based home provider in F9c they received a code of 1.• If the respondent indicated that they did not know the type of providers they considered or did not offer a valid response to survey item F9c for either center they considered they received a code of -1.• If the respondent did not search for care in the past 2 years or only considered one or an unknown number of providers in their search they received a code of -2. <p>Survey item F9c was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered more than one provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered one/unknown # providers	7,099
-1	Don't Know/Refused/No answer	85
0	Did not consider this type of care	1,040
1	Considered this type of care	352
Total		8,576

*Count represents the number of households in each category

HH9_F9C_OTH

Variable label	Search – Other types of care considered (>1 prov)
Original variables used	HH9_F5_MULTIPLE, HH9_F9C_TYPE_R_X
Notes	<p>This variable indicates whether the respondent considered any other type of provider (not center-based, home-based, or a family or friend) for [SELECTED CHILD NAME] in the providers they considered in their search for child care in the last 2 years.</p> <p>If the respondent indicated in survey item F5 that they considered more than one provider in their search for care they were prompted to question F9C for two of the providers they considered.</p> <ul style="list-style-type: none"> • Respondents who indicated that one or both of the providers they considered were not a center-based provider, a home-based provider, or a family member/friend in F9c they received a code of 1. • If the respondent indicated that they did not know the type of providers they considered or did not offer a valid response to survey item F9c for either center they considered they received a code of -1. • If the respondent did not search for care in the past 2 years or only considered one or an unknown number of providers in their search they received a code of -2. <p>Survey item F9c was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered more than one provider in their search for care.</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years or considered one/unknown # providers	7,099
-1	Don't Know/Refused/No answer	90
0	Did not consider this type of care	1,310
1	Considered this type of care	77
Total		8,576

*Count represents the number of households in each category

HH9_F9C_TYPE_X_R (X=1-2 PROVIDERS)

Variable label	(First/Second) provider R considered: Provider type
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F9C_TYPE_X (X=1-2), HH9_F9C_TYPE_OS_X (X=1-2)
Notes	<p>This set of variables indicates the type of provider the respondent considered in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F9c:</p> <p>F9c.</p> <p>What type of provider was the [first/second] provider you considered?</p> <ol style="list-style-type: none">1. Home-based provider I had prior personal relationship with2. Home-based provider I didn't have prior personal relationship with3. Center-based care4. Other5. Don't know/Refused6. Added: Single activity provider (fencing, gymnastics, etc.)7. Added: Summer camp8. Added: Home-based provider - prior relationship unspecified9. Added: Sibling10. Added: Did not consider a 2nd provider (applicable for HH_F9C_TYPE_2 only)11. Added: myself <p>Survey item F9c was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered multiple providers in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid skip	14,198
1	Home-based provider R had prior personal relationship with	455
2	Home-based provider R didn't have prior personal relationship with	439
3	Center-based care	1,858
4	Other	9
5	Don't Know/Refused	105
6	Added: Single activity provider (fencing, gymnastics, etc.)	15
7	Added: Summer camp	13
8	Added: Home-based provided - prior relationship unspecified	48
9	Added: Sibling	1
10	Added: Did not consider a 2nd provider	8
11	Added: R's self	3
Total		17,152

*Count represents the sum of responses across the two providers considered in the respondent's search for care

HH9_F9L_COVERHRS_X (X=1-2 PROVIDERS)

Variable label	(First/Second) provider R considered: how well schedule would cover covered hours needed
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F9L_COVERHRS_X (X=1-2)
Notes	<p>This set of variables indicates whether each provider the respondent considered in their last search for care for [SELECTED CHILD NAME] would cover the hours of care that the respondent needed and is a direct response to survey item F9I:</p> <p>F9I. How well would the provider's schedule have covered the hours of care you needed?</p> <ol style="list-style-type: none"> 1. Would have covered hours of care I needed 2. Would have covered most of hours I needed 3. Would not have covered most of hours I needed 4. Would not have covered hours at all 5. Don't know/Refused <p>Survey item F9I was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered multiple providers in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	14,198
1	Would have covered hours of care R needed	1,830
2	Would have covered most of hours R needed	611
3	Would not have covered most of hours R needed	244
4	Would not have covered hours at all	104
5	Don't Know/Refused/No Answer	165
Total		17,152

*Count represents the sum of responses across the two providers considered in the respondent's search for care

HH9_F9M_QUAL_X (X=1-2 PROVIDERS)

Variable label	(First/Second) provider R considered: overall quality rating
Items affecting eligibility	F2, F5, F6A
Original variables used	HH9_F9M_QUAL_X (X=1-2)
Notes	<p>This set of variables indicates whether the respondent's rating of each provider they considered in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F9m:</p> <p>F9m. How would you rate the overall quality of that provider?</p> <ol style="list-style-type: none"> 1. Best I can imagine 2. Better than I had expected to find for my child 3. Good for my child 4. Good enough for my child, but not as good as I'd wish for 5. Only good enough for the short-term 6. Not good enough for my child 7. Don't know/Refused <p>Survey item F9m was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5 that they considered multiple providers in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	14,198
1	Best R can imagine	610
2	Better than R had expected to find for R's child	478
3	Good for R's child	863
4	Good enough for R's child, but not as good as R would wish for	391
5	Only good enough for the short-term	169
6	Not good enough for R's child	186
7	Don't Know/Refused/No Answer	257
Total		17,152

*Count represents the sum of responses across the two providers considered in the respondent's search for care

HH9_F10_CENTER

Variable label	Whether R considered any child-care centers/orgs for [school-age] children
Items affecting eligibility	F2, F6A, F9C
Original variables used	HH9_F10_CENTER
Notes	<p>This variable indicates whether the respondent considered any child-care centers or organizations for school-age children in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F10:</p> <p>F10. Did you consider any [child-care] centers or organizations for [school-age] children as part of your search?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>Survey item F10 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who did not indicate in survey item F6a or F9c that they considered a child-care center or organization for school-age children in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	7,822
1	Yes	164
2	No	578
3	Don't Know/Refused/No Answer	12
Total		8,576

*Count represents the number of households in each category

HH9_F11_FFN

Variable label	Whether R considered asking someone R knew to care for child
Items affecting eligibility	F2, F6A, F9C
Original variables used	HH9_F11_FFN
Notes	<p>This variable indicates whether the respondent considered asking someone they knew to care for their child during their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F11:</p> <p>F11. Did you consider asking someone you know to care for your child, for example a family member, friend or neighbor?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>Survey item F11 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who did not indicate in survey item F6a or F9c that they considered someone they knew in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,618
1	Yes	774
2	No	1,174
3	Don't Know/Refused/No Answer	10
Total		8,576

*Count represents the number of households in each category

HH9_F12_FAMILY

Variable label	Whether R considered asking someone who provides care at home but R didn't know
Items affecting eligibility	F2, F6A, F9C
Original variables used	HH9_F12_FAMILY
Notes	<p>This variable indicates whether the respondent considered asking someone they did not previously know who provides care at home during their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F12:</p> <p>F12. As part of your search, did you consider someone who provides care at home but whom you didn't know before?</p> <ol style="list-style-type: none">1. Yes2. No3. Don't know/Refused <p>Survey item F12 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who did not indicate in survey item F6a or F9c that they considered a non-relationship home-based provider in their search for care. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,549
1	Yes	220
2	No	1,795
3	Don't Know/Refused/No Answer	12
Total		8,576

*Count represents the number of households in each category

HH9_F13_RESULT_M_R

Variable label	Result of R's search for child care
Items affecting eligibility	F2
Original variables used	HH9_F13_RESULT_M, HH9_F13_RESULT_OS_M
Notes	<p>This variable indicates the result of the respondent's last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F13:</p> <p>F13.</p> <p>What was the result of this search for child care?</p> <ol style="list-style-type: none">1. Found care2. Stayed with existing provider3. Decided not to use care other than parents4. Gave up search for another reason5. Other6. Don't know/Refused7. Still searching/looking8. Added: Provider selected but on wait list/no openings at this time/waiting to hear if accepted9. Added: Waiting to hear about funding10. Added: New provider no longer needed/Not yet needed at this time due to not finding a job yet or child's age11. Added: Did not qualify/Not accepted12. Added: R selected provider but it did not work out13. Added: Decided to use family and friends14. Added: Search unsuccessful/ Did not find care15. Added: Other Recoded To: Found Care <p>Survey item F13 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Found care	1,407
2	Stayed with existing provider	237
3	Decided not to use care other than parents	284
4	Gave up search for another reason	197
5	Other	7
6	Don't Know/Refused/No Answer	24
7	Added: Still searching/looking	234
8	Added: Prov selected but on wait list/no openings at this time/waiting to hear	22
10	Added: New prov no longer needed/Not yet needed due to no job yet/child's age	1
11	Added: Did not qualify/Not accepted	7
12	Added: R selected provider but it did not work out	1
13	Added: Decided to use family and friends	29
14	Added: Search unsuccessful/ Did not find care	16
15	Added: Other Recoded To: Found Care	18
Total		8,576

*Count represents the number of households in each category

HH9_F14_REASON_R

Variable label	Main reason R made child care provider decision
Items affecting eligibility	F2
Original variables used	HH9_F14_REASON, HH9_F14_REASON_OS
Notes	<p>This variable indicates why the respondent made their child care decision during their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F14:</p> <p>F14. What was the main reason you made that decision</p> <ol style="list-style-type: none">1. Had no other choices2. Cost3. Schedule4. Location5. Quality of care6. Best feeling7. Provider had space available8. Other9. Don't Know/Refused10. Added: Still looking11. Added: Had prior relationship with provider12. Added: Provider had no spots available13. Added: Household circumstances changed14. Added: Liked program content curriculum/activities15. Added: Concerns with program quality (e.g., safety, crowding, number of adults, etc.)16. Added: Program's ability to care for children with special needs17. Added: Convenience/flexibility18. Added: Decided to take care of child myself (or spouse decided to)19. Added: Child's choice (wanted or did not want)20. Added: Did not find work, no job21. Added: Transportation (or lack thereof)22. Added: To interact with other children23. Added: Waiting to hear back from program/ not started yet24. Added: Did NOT like curriculum or lack of education25. Added: Did not qualify26. Added: Did not change providers27. Added: Met all my needs28. Added: Medical/health29. Added: Moving/moved30. Added: Uncomfortable with strangers watching my child-4. Don't know/Refused <p>Survey item F14 was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".</p>

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	6,092
1	Had no other choices	213
2	Cost	543
3	Schedule	218
4	Location	214
5	Quality of care	528
6	Best feeling	282
7	Provider had space available	133
8	Other	22
9	Don't Know/Refused/No Answer	52
10	Added: Still looking	45
11	Added: Had prior relationship with provider	46
12	Added: Provider had no spots available	17
13	Added: Household circumstances changed	14
14	Added: Liked program content curriculum/activities	25
15	Added: Concerns with program quality (e.g. safety, crowding, num of adults, etc)	13
16	Added: Program's ability to care for children with special needs	6
17	Added: Convenience/flexibility	12
18	Added: R decided to take care of R's child R's self (or R's spouse decided to)	10
19	Added: Child's choice (wanted or did not want)	6
20	Added: Did not find work, no job	11
21	Added: Transportation (or lack thereof)	5
22	Added: To interact with other children	5
23	Added: Waiting to hear back from program/ not started yet	11
25	Added: Did not qualify	18
26	Added: Did not change providers	13
27	Added: Met all R's needs	8
28	Added: Medical/health	5
29	Added: Moving/moved	6
30	Added: R uncomfortable with strangers watching R's child	3
Total		8,576

*Count represents the number of households in each category

HH9_RESULT

Variable label Result of search in last 24 mos

Original variables used HH9_F13_RESULT_R

Notes This variable indicates the result of the respondent's search for care for [SELECTED CHILD NAME] in the last 2 years.

- If the respondent indicated in survey item F13 that their search ended in them finding care then they received a code of 1.
- If the respondent indicated that they did not know the result of their search or did not offer a valid response to survey item F13 they received a code of -1.
- If the respondent did not search for care in the past 2 years they received a code of -2.

Survey item F13 was only answered by respondents who indicated in F2_MOYR that they searched for childcare in the last 2 years. All other respondents received a code of -2 for "Valid Skip".

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	No search in last 2 years	6,092
-1	Don't Know/Refused/No answer	24
0	Did not result in (change of) care	1,035
1	Resulted in (change of) care	1,425
Total		8,576

*Count represents the number of households in each category

HH9_F13A_CHOOSE

Variable label Whether R chose the first or second prov R reported

Items affecting eligibility F2, F5, F13

Original variables used HH9_F13A_CHOOSE

Notes This variable indicates whether the respondent chose the first or the second provider they reported in their last search for care for [SELECTED CHILD NAME] and is a direct response to survey item F13a:

F13a.

Did you choose the first or second provider you told me about?

1. First
2. Second
3. Don't know/Refused

Survey item F13a was only asked of respondents who indicated in survey item F2_MOYR that they searched for childcare in the last 2 years and who indicated in survey item F5_MULTIPLE that they considered multiple providers in their search and who stated in survey item F13 that they found care with one of these providers. All other respondents received a code of -2 for "Valid Skip".

Codes, Response Categories, and Unweighted Frequencies in Data File

Code	Response	Unweighted Frequency
-2	Valid Skip	7,796
1	First [FILLED FIRST PROVIDER TYPE FROM F9C]	314
2	Second [FILLED SECOND PROVIDER TYPE FROM F9C]	412
3	Don't Know/Refused/No Answer	54
Total		8,576

*Count represents the number of households in each category

HH9_F2_MOYR_R

Variable label	Month and year that R last searched for care
Original variables used	HH9_F2_MONTH, HH9_F2_YR, HH9_F3_REASON
Notes	<p>This variable captures the combination of month and year the respondent last searched for care. Variable was created by combining HH9_F2_YR and HH9_F2_MONTH.</p> <ul style="list-style-type: none"> • This variable equals the sum of HH9_F2_YR and HH9_F2_MONTH, divided by 12. • When HH9_F2_YR was -1 (Don't Know/Refused), and HH9_F2_MONTH was an actual month, and HH9_F3_REASON was missing, then HH9_F2_MOYR_R was set to year with "2017." • When HH9_F2_YR was -1 (Don't Know/Refused), and HH9_F2_MONTH was an actual month, and HH9_F3_REASON was not missing, then HH9_F2_MOYR_R was set to year with "2018." • When HH9_F2_MONTH was -1 (Don't Know/Refused) and HH9_F2_YR was an actual year, then month was set to 1 and HH9_F2_MOYR_R was set to year.083. (For example, if HH9_F2_YR was 2018, then HH9_F2_MOYR_R would be set to 2018.083 = 2018 + 1/12). • When HH9_F2_MONTH was -1 (Don't Know/Refused) and HH9_F2_YR was 99 (No search), then HH9_F2_MOYR_R was set to 99 (No search). • When both HH9_F2_YR and HH9_F2_MONTH were -1 (Don't Know), then HH9_F2_MOYR_R was set to -1 (Don't Know/Refused). • When HH9_F2_MONTH was 99 (No search), then HH9_F2_MOYR_R was set to 99 (No search) • When both HH9_F2_YR and HH9_F2_MONTH were -1 (Don't Know), then HH9_F2_MOYR_R was set to -1 (Don't Know/Refused). • When both HH9_F2_YR and HH9_F2_MONTH were missing, then HH9_F2_MOYR_R was set to -1 (Don't Know/Refused). • If F3_REASON was missing, we assumed the last search was at least 25 months ago, so we imputed F2_MOYR to 2017. Conversely if F3_REASON was not missing we assumed the last search was 24 months ago or less, so we imputed F2_MOYR to 2018.

Codes, Response Categories, and Summary Statistics in Data File

Statistic	Unweighted
Mean	1009.08
10th	99.00
25th	99.00
75th	2018.25
90th	2019.08
Min	99.00
Max	2019.92
-1 (Don't Know/Refused): Frequency	908

6. Variable-level Documentation for Calendar Data file

1. DATA FILE STRUCTURE

This data file presents data elements from the child calendar, adult calendar and gap checks as collected in the Household Survey. These data are included in a separate file from the main household public-use file. The file has 8,576 records, one for each household in the Household Survey data.

Each variable in this file has 672 iterations, one for each 15-minute period in a 7-day week. For example, block 1 is designated Monday 12:00 – 12:14 am, while block 672 is designated Sunday 11:45pm – 11:59 pm. Data are available for each child in the household, and for each adult in the household who is either a parent or guardian of a child in the household. By aligning elements for the same block group across HHMs, researchers can determine the activities of different members of the household in a given 15-minute increment of time, for example, to see whether parents are at work when children are in non-parental care. By counting blocks within individuals, researchers can determine, for example, the number of hours in the week spent on one or another activity.

Calendar variables can be linked with other data in the Household Survey Main Public-use file through the HH9_METH_CASEID variable, and further with individual children or adults through the index numbers embedded in each variable name. The index numbers of children and HHMs in the calendar data file match those in the Household Survey Main Public-use file. For example, child 1 and HHM 3 in the calendar data file correspond to the same child 1 and HHM 3 in the Household Survey Main Public-use file. Analyses should use either the household sampling weight HH9_METH_WEIGHT or the child sampling weights HHC9_METH_WEIGHT_X (X=1 to 9), which are available in the Main Public-use data file.

The content of the child and adult calendars remained the same in 2012 and 2019. However, there was a change in the criteria used for HHMs who were eligible to report information on the adult calendar. In 2012, the adult calendar included adults in the household who were a parent or spouse of parent of a child in the household under age 13 or who regularly cared for a child under age 13 in the household. In 2019, the adult calendar only included parents or guardians of any children in the household, excluding resident adult caregivers as eligible respondents.

The large number of variables in this file (more than 13,000) can result in long processing times.

2. QUESTIONNAIRE CONTENT

The centerpiece of the NSECE Household Survey was collection of detailed information for the Monday to Sunday week most recently preceding the interview date. For this seven day period, the respondent was asked to report:

- ▶ In a child calendar – every person or entity that was responsible for looking after each child under age 13 in the household when that child was not in the care of a parent living in the household. These are the C2 series questions in the Household Questionnaire.
- ▶ In an adult work-related activities calendar – the work related activities (work, school, training, and commutes between these activities and home) of selected adults in the household. Selected adults include the respondent, the respondent's spouse (if any in the household), and any other adult in the household who is the parent or guardian of a child in the household. These are the D1D series questions in the Household Questionnaire.
- ▶ A gap-check calendar – that compared child care status to adult work-related activities to confirm or clarify any spell in which a child was not reported in non-parental care but all parents in the household were reported to be in work-related activities. These are the CHK3 series questions in the Household Questionnaire.

Due to data collection being extended well into the summer, the questionnaire was revised to facilitate the analysis of data collection during the spring/early summer with data collected after it—during which traditional school and provider schedules change dramatically. As part of this revision, neither child nor adult calendar data were collected from the 487 households administered the summer questionnaire. Child and adult calendar variables with a value of -2 indicate that calendar data were not collected from that household due to the revised summer questionnaire. Users may use the HH9_SUMMERQUEX variable to identify which households that were administered the summer questionnaire.

Below we provide additional detail on how the calendar items were collected:

3. CHILD CALENDAR QUESTIONS

The original child calendar data were collected as a grid. There was no limit to the number of iterations asked, although only two are shown below:

	C2. Thinking about last [DAY] (that is, [FILL DATE]), who cared for [CHILD NAME]? Do not include any parent of a child under 13 in this household or his or her spouse.	C2A1. What time last [DAY] did [PROVIDER] start to care for [CHILD NAME]? START TIME:	C2D. When did the care with [PROVIDER] end last [DAY]? END TIME:	And who cared for him/her next that day?
1	[Drop-down list to select provider]	_____ -1 <input type="checkbox"/> DK/REF	_____ -1 <input type="checkbox"/> DK/REF	
2	[Drop-down list to select provider]	_____ -1 <input type="checkbox"/> DK/REF	_____ -1 <input type="checkbox"/> DK/REF	

The codeframe for the drop-down list was:

1. Select Provider (placeholder; not a valid selection)
2. Provider 1
3. Provider 2
4. Provider 3
5. Provider 4
6. Provider 5
7. Provider 6
8. Provider 7
9. Provider 8
10. Provider 9
11. Provider 10
12. Provider 11
13. Provider 13
14. Provider 14
15. Provider 15
16. Provider 15
22. USED PARENTAL CARE ONLY

The list of 15 providers for the HH was populated based on responses given at C1 (Please tell me all of the people or organizations that cared for [him/her] last week.) and C1A1 (Enter provider name). For each provider selected in the grid, a start and stop time was asked for the care spell. Up to five spells could be entered, and either the start, stop, or both times could be refused. If option 22-Used Parental Care Only was selected, no times were asked and care was assumed to run from 12am to 11:59pm. Additional mechanisms were embedded in the

computer-assisted interview logic to permit respondents to say that one day's schedule was identical to another's, or that one child's schedule was identical to another's. Note that while the survey allowed for up to 15 providers per household, the households that were interviewed reported no more than 14 providers; as such, only 14 providers are included in the Main Public-use data file.

4. ADULT CALENDAR QUESTIONS

Adult calendar data were also collected as a grid:

	D1D. Thinking about last [DAY], [FILL DATE], did you go to work/school/training?	D1D_1. What time did you begin [work/school/training] on last [DAY] ? (Please include time you spent commuting to and from [work/school/training] in your response.) TIME STARTED:	D1D_2. What time did you end [work/school/training] on last [DAY] ? TIME ENDED:	And did you attend work/school/training any other time that day?
SCHEDULE 1	[Drop-down list to select location]	_____ <input type="checkbox"/> DK/REF	_____ <input type="checkbox"/> DK/REF	
SCHEDULE 2	[Drop-down list to select location]	_____ <input type="checkbox"/> DK/REF	_____ <input type="checkbox"/> DK/REF	

The codeframe for the drop-down list was:

1. Select Activity (placeholder; not a valid selection)
2. Work
3. School
4. Training
5. NO WORK/SCH/TRNG ACTIVITY
6. DK/REF

The list of locations for the HHM was populated based on responses given at D1A, D1B, and D1C, where the R indicated whether the HHM attended work, school, or training last week. For each location filled in the grid, a start and stop time was asked for the spell. Up to five spells could be entered, and either the start, stop, or both times could be refused. If option 5- NO WORK/SCH/TRNG ACTIVITY was selected, both times were left missing.

5. GAP CHECK QUESTIONS

After the Child and Adult Calendars were filled, the questionnaire logic compared the two to look for times where parent care was reported, or no provider care was reported for the child but all parents were at work. If such a conflict occurred, it was flagged as a child care gap. The questionnaire then calculated the start and stop time for the child care gap, and the R was asked to clarify where the child and parent were at that time. The questionnaire flagged up to 7 gaps per day and per child (that is, one child could have a maximum of 7 gaps per day * 7 days per week = 49 gap check questions per week). Although this data was never presented in a grid, the structure is similar to the Child Calendar, with a child's location, start, and stop time in each row. Responses to gap check questions were coded by the project team and incorporated into the child calendar variables.

6. DATA FILE CONTENT

The variables in this file are:

Variable	Description
HH9_METH_CASEID	Unique household identifier
HH9_CHCAL_R_X_Z	Final provider code for child number X (1 to 9) and 15-Minute Block Z (1 to 672).
HH9_BLOCKTIME_Z	Start time for each 15-Minute Block Z (1 to 672).
HH9_BLOCKDAY_Z	Day of the week for each 15-Minute Block Z (1 to 672). <ol style="list-style-type: none"> 1. Monday 2. Tuesday 3. Wednesday 4. Thursday 5. Friday 6. Saturday 7. Sunday
HH9_ADCAL_X_Y	Final activity code for HHM number X (1 to 12) and 15-Minute Block Y (1 to 672).

HH9_CHCAL_R_X_Z CHILD CALENDAR CARE PROVIDER

Each child's care status for a 15-minute block is given as a code ranging from 1 to 99. Children are indexed first, with X ranging from child 1 to child 9 and Z indexes the 15-minute block number 1 to 672. Care status values indicate parental care, a non-parental care provider, or another arrangement identified by the gap check questions.

Code	Description
-9	No Child X
-2	No calendar data for summer questionnaire.
-1	Data missing in error
0	There was no provider reported and the child is assumed to be in the care of the parents, or the child was reported as in all-day parent care. All-day parent care was reported by either selecting 22-Used Parental Care only in the child care calendar grid or by indicating "Parental Care Only" at C1.
1 to 15	The child was in the care of a non-parent provider.
50 to 99	A gap check question was asked for this time because no provider was given for the child, but the adult calendar showed the parent(s) were at work, school, or training (and thus not at home). This represents the response to the gap check question with the following codeframe: <ol style="list-style-type: none"> 50. Child with a parent who doesn't live in this HH 51. child with R/R spouse/partner at work/school/training 52. child with R/R spouse/partner NOT at work/school/training 53. Child cared for himself/herself 54. Child with sibling less than 18 56. Child with PARENT AT WORK/school training

Code	Description
	57. Child with PARENT NOT AT WORK
	58. Added: in transit to/from school/care - supervised
	59. Added: in transit to/from school/care - unsupervised
	60. Added: with a parent (location unclear)
	61. Added: with relative (grandparents, aunt/uncle, etc.)
	62. Added: with sibling (age unclear)
	63. Added: with friends
	64. Added: with caregiver/provider
	65. Added: R/Parent works from home
	66. Added: child in location where partially supervised
	67. Added: overnight care
	68. Added: child in school
	69. Added: child with adult sibling
	70. Added: child with R's partner or step-parent
	71. Added: child waiting to be picked up (location unclear)
	72. Added: commuting and school
	73. Added: commute followed by relative
	74. Added: commute then home alone
	75. Added: commuting followed by provider
	76. Added: daycare followed by parent
	77. Added: daycare followed by relative
	78. Added: daycare followed by school
	79. Added: parent followed by school
	80. Added: relative followed by multiple activity
	81. Added: provider followed by parent
	82. Added: relative followed by school
	83. Added: school followed by daycare
	84. Added: school followed by parent
	85. Added: school followed by provider
	86. Added: school followed by relative
	87. Added: school followed by single activity
	88. Added: split between relative and provider
	89. Added: friend followed by parent
	90. Added: parent followed by friend who takes children to school
	91. Added: parent at work followed by relative
	92. Added: school followed by sibling under age 18
	93. Added: parent or provider
	94. Added: with individual - relation unclear
	96. Other arrangement
	97. Don't know
	98. Added: Relative followed by parent
	99. Added: Parent followed by single-activity

The values of HH9_CHCAL_R_X_Z (X = 1-9 children and Z=15-Minute Block 1 to 672) show the specific provider who cares for Child X at Time Z. The provider identified in

HH9_CHCAL_R_X_Z matches the Y provider identified in all child-provider specific variables such as HH9_TYPEOFCARE_AGG_X_Y and HH9_WEEKLY_COST_CARE_IMP_TC_X_Y.

In order to illustrate the relationship between the providers identified in the calendar and individuals in the household, we take a closer look at these data for a particular case: For case 13104558, the child calendar data indicate that Child 1 was cared for by Provider 3 at Time Slot 457, which corresponds to Friday 6:00pm (HH9_CHCAL_R_1_457=3). In order to know who provider 3 is, one would look at the HH9_PTYPE variable in the main household public-use data file. In this case, one would look at HH9_PTYPE_3 (Y=3 for Provider 3), which for this household has a value of 4. HH9_PTYPE_3=4 means that for this household, Provider 3 corresponds to a provider enumerated as the fourth individual in the household roster. Variables that loop over HHMs provide information about the characteristics of this particular member of the household. For instance, variables HH9_HHM_AGE_4 and HH9_PARCH_1_4 show HHM 4 in household 13104558 is a 70-year old person who is not a parent of Child 1. Variables that loop over providers identify characteristics of this provider. For instance, for household 13104558, HH9_TYPEOFCARE_AGG_1_3=3 shows that for Child 1, this provider is categorized as “Individual, unpaid, regular”.

HH9_ADCAL_Y_Z ADULT CALENDAR WORK-RELATED ACTIVITY STATUS

Each adult’s work-related activity status for a given 15-minute block is given as a 1-digit numeric code. Y indexes the adult’s HHM loop number (1 to 9), and Z indexes the block (1 to 672). The code has the following values:

- -2. No calendar data for summer questionnaire
- No Work/School/Training Activity
- Work
- School
- Training
- DK/REF
- HHM skipped Section D
- No HHM Exists

7. DATA FILE CONTENT EXAMPLE

The calendar data file provides users an understanding of the time distribution of each child's care status and each HHM's work status throughout the previous seven day week.

HH9_CHCAL_R_X_Z indexes children in the household ranging from X=1 to X=9 at a given 15-minute increment Z throughout the week. The frequencies of HH9_CHCAL_R_1_137 and HH9_CHCAL_R_2_137 below show the care status of child 1 and child 2 the previous Tuesday at 10:00am, or time interval 137. Similarly, HH9_ADCAL_X_Y indexes the work status of HHM X, HHM 1 through HHM2, at a given 15-minute increment Z throughout the week. The frequencies HH9_ADCAL_1_137 and HH9_ADCAL_2_137 below show the work status of HHM 1 and HHM 2 the previous Tuesday at 10:00am, or time interval 137.

HH9_CHCAL_R_1_137

Value	Label	Unweighted_Frequency
-2	No calendar data for summer questionnaire	487
-1	Data missing in error	35
0	Parental care	3,357
1	Non-parent provider	3,051
2	Non-parent provider	951
3	Non-parent provider	195
4	Non-parent provider	50
5	Non-parent provider	9
6	Non-parent provider	2
7	Non-parent provider	3
9	Non-parent provider	1
50	Child with a parent who doesn't live in this HH	31
51	child with R/R spouse/partner at work/school/training	129
52	child with R/R spouse/partner NOT at work/school/training	50
53	Child cared for himself/herself	24
54	Child with sibling less than 18	19
57	Child with PARENT NOT AT WORK	3
58	Added: in transit to/from school/care - supervised	2
60	Added: with a parent (location unclear)	18
61	Added: with relative (grandparents, aunt/uncle, etc.)	50
62	Added: with sibling (age unclear)	1
63	Added: with friends	4
64	Added: with caregiver/provider	15
65	Added: R/Parent works from home	9
68	Added: child in school	66
69	Added: child with adult sibling	3
75	Added: commuting followed by provider	1
78	Added: daycare followed by school	1
79	Added: parent followed by school	1
84	Added: school followed by parent	1
85	Added: school followed by provider	1
91	Added: parent at work followed by relative	1
97	Don't know	5
Total		8,576

HH9_CHCAL_R_2_137

Value	Label	Unweighted Frequency
-9	No Child X	3,784
-2	No calendar data for summer questionnaire	274
-1	Data missing in error	23
0	Parental care	1,548
1	Non-parent provider	1,271
2	Non-parent provider	866
3	Non-parent provider	407
4	Non-parent provider	134
5	Non-parent provider	44
6	Non-parent provider	3
7	Non-parent provider	2
8	Non-parent provider	1
9	Non-parent provider	1
50	Child with a parent who doesn't live in this HH	14
51	child with R/R spouse/partner at work/school/training	61
52	child with R/R spouse/partner NOT at work/school/training	27
53	Child cared for himself/herself	9
54	Child with sibling less than 18	6
57	Child with PARENT NOT AT WORK	1
58	Added: in transit to/from school/care - supervised	1
60	Added: with a parent (location unclear)	8
61	Added: with relative (grandparents, aunt/uncle, etc.)	24
62	Added: with sibling (age unclear)	1
63	Added: with friends	3
64	Added: with caregiver/provider	14
65	Added: R/Parent works from home	5
68	Added: child in school	39
69	Added: child with adult sibling	1
74	Added: commute then home alone	1
97	Don't know	3
Total		8,576

HH9_ADCAL_1_137

Value	Label	Unweighted Frequency
-2	No calendar data for summer questionnaire	487
0	No Work/School/Training Activity	4,430
1	Work	3,497
2	School	112
3	Training	50
Total		8,576

HH9_ADCAL_2_137

Value	Label	Unweighted Frequency
-2	No calendar data for summer questionnaire	487
0	No Work/School/Training Activity	2,022
1	Work	3,228
2	School	40
3	Training	25
4	DK/REF	1
8	HHM skipped Section D	1,626
9	No HHM Y	1,147
Total		8,576

Data File Updates

The table below documents the updates that have been made to the main public-use data file or to the User's Guide.

Description	Topic	Variable Names/Section Names
JULY 2022		
New variables added to the public-use data file		HH9_MONTHLY_INC_IMPFLAG_BURDEN HH9_NPC_COST_BURDEN_MONTH_TC HH9_NPC_COST_NEG_WEEKLY_TC HH9_NPC_COST_WEEKLY_TC HH9_ADM_CONSENT_X HH9_C11_SAMELANG_Y HH9_C5F_MONTHS_Y_X HH9_C5F_YEARS_Y_X HH9_LANGUAGE HH9_MOMSCH_X HH9_A2G8_GRADE_X_Y HH9_A2G9_SEEN_X_Y HH9_A2G9A_X_Y HH9_B1F_HHCARE_X HHC9_AGE_AT_SEP1_18_X HH9_G12C HH9_G12D HH9_HHCOMP_RELATIONS_GPARENT HH9_F2_MOYR_R
Edits to variable (minor)		HH9_PARCH_X_Y HH9_PRGCH_X_Y For these variables, we updated some values that previously had reserve codes indicating "No Child in loop" or "No HHM in loop" to reflect that there was in fact a child or a HHM in that loop. In most cases, these updates changed one reserve code to another (e.g. "No Child X and no HHM Y in loop" to "No Child in loop but HHM in loop"), and do not affect values for whether a HHM is or is not a parent/guardian to the child.

Edits to variable-level
documentation (minor updates to
variable and value label)

HH9_A1_CHILD_GIVEN_R_X
HH9_ALLP_WST_HRS_NSTD_X
HH9_ALLP_WST_HRS_STD_X
HH9_ALLP_WST_HRS_TOT_X
HH9_ANY_NONSTAND_X_Y
HH9_ANY_NPTN_BOTH_X
HH9_ANY_NPTN_NONSTAND_EVE_X
HH9_ANY_NPTN_NONSTAND_SS_X
HH9_ANY_NPTN_NONSTAND_X
HH9_ANY_NPTN_STAND_X
HH9_ANY_NPTN_X
HH9_ANY_STAND_X_Y
HH9_ANY_SUBS_X_Y
HH9_B1A_NAME_GIVEN_R_X
HH9_BOTH_STAND_X_Y
HH9_BPQUALFLAG_X_Y
HH9_BPSOURCEFLAG_X_Y
HH9_C0TO12_X
HH9_C0TO36_X
HH9_C0TO60_X
HH9_C36TO60_X
HH9_CAREFLAG_X_Y
HH9_CARELOC_X_Y
HH9_CHAR_NUMCH
HH9_CHAR_RACE
HH9_CHILDREN_X_Y
HH9_COPAY_FLAG_X_Y
HH9_D10A_CCAREMISS
HH9_D10B_KIDSICK
HH9_D10C_MISSNOPAY
HH9_D11_DAYLATE
HH9_D11A_DAYEARLY
HH9_D11B_DAYLOSEPAY
HH9_D12_DAYSPEC
HH9_D13_DAYSPEC_OTH
HH9_D3D_UNIT_X
HH9_D3D_WAGE_TC_X
HH9_D5D_UNIT_X
HH9_D5D_WAGE_TC_X
HH9_D9A_CCAREDAY
HH9_DIS_HHNONRESPAR_C_X_Y
HH9_DIS_HHPROD_C_X
HH9_DIS_PROV_CH_C_X_Y
HH9_DROPIN_X
HH9_ECON_EARNERS
HH9_ECON_EAT
HH9_F13_RESULT_M_R
HH9_F14_REASON_R
HH9_F3_REASON_R
HH9_F4_TYPE_R
HH9_F6A_NOPERSONAL
HH9_F7_SEARCH_M_10_R
HH9_F7_SEARCH_M_15_R
HH9_F7_SEARCH_M_18_R
HH9_F9C_NOPERSONAL
HH9_F9C_TYPE_1_R

	HH9_F9C_TYPE_2_R
	HH9_F9L_COVERHRS_1
	HH9_F9M_QUAL_X
	HH9_FLAG_AGE_IMPUTE_X
	HH9_FLAG_J2_IMP_UNIT_X_Y
	HH9_FLAG_J2_OUT_X_Y
	HH9_G10_INSURE_16_R
	HH9_G10_INSURE_7_R
	HH9_G10A_OTHINSURE
	HH9_HEADSTART_X_Y
	HH9_HHCOMP_ANY_CHILD_2YR
	HH9_HHCOMP_ANY_CHILD_3YR
	HH9_HHCOMP_ANY_CHILD_4YR
	HH9_HHCOMP_ANY_CHILD_5YR
	HH9_HHCOMP_ANY_CHILD_LT12MOS
	HH9_HHCOMP_MEMBERS
	HH9_HHCOMP_RELATIONS_NONREL
	HH9_HHMPROV_X
	HH9_HRS_WEEK_PROVY_X
	HH9_IMPUTEFLAG4_X
	HH9_IMPUTEFLAG5_X
	HH9_IMPUTEFLAG6_X
	HH9_INDIVPROV_X
	HH9_J11AMTFLAG_X_Y
	HH9_KINDERG_X_Y
	HH9_LASTWEEK_X
	HH9_METH_FILEVERSION
	HH9_MISSING_STATUS_CC_X
	HH9_MODE
	HH9_NPC_HRSWEEK_TOCP
	HH9_NPC_TOTPROV_CAL
	HH9_NPC_TOTPROV_ROS
	HH9_NPC_USEREGPROVIDER
	HH9_OADULT_X
	HH9_ONLY_NONSTAND_X_Y
	HH9_ONLY_STAND_X_Y
	HH9_OTHPAYPROV_X_Y
	HH9_PAID_X_Y
	HH9_PARCH_X_Y
	HH9_PRGCH_X_Y
	HH9_PRIORREL_X
	HH9_PROP_NONSTAND_X
	HH9_PTYPE_X
	HH9_PUBPREK_X_Y
	HH9_QUEXLANG
	HH9_REG_HOURS_PER_DAY_X
	HH9_REGCARE_X_Y
	HH9_RELATED
	HH9_SCHOOL_X_Y
	HH9_SINGLEACT_X
	HH9_SUBSIDY_X_Y
	HH9_TYPEOFCARE_AGG_X_Y
	HH9_WEEKLY_COST_CARE_TC_X_Y
	HH9_WEEKLY_COST_NEG_TC_X_Y
	HH9_WEEKLY_PAYMENT_TC_X_Y
	HH9_WST_HRS_NSTD_PHI_X

Description	Topic	Variable Names/Section Names
		HH9_WST_HRS_NSTD_PLO_X HH9_WST_HRS_STD_PHI_X HH9_WST_HRS_STD_PLO_X HH9_WST_HRS_TOT_PHI_X HH9_WST_HRS_TOT_PLO_X HH9_WST_PARCH_HI_X HH9_WST_PARCH_LO_X HHC9_AGE_X HHC9_CONDITION_X HHC9_COUNTRY_BORN_X HHC9_GENDER_X HHC9_NPC_HRSWEEK_TOCP_X HHC9_NPC_NPROV_TOCP_X HHC9_NPC_TOTPROV_CAL_X HHC9_NPC_TOTPROV_ROS_X HHC9_NPC_TOTPROV_ROSCAL_X HHC9_NPC_USEREGPROVIDER_X HHC9_NPC_USETOCP_X HHC9_RACE_X