



**National Household
Education Survey 2019
(NHES:2019)
Full-scale Data Collection**

OMB# 1850-0768 v.15

Part C - Item Justification

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PART C. JUSTIFICATION OF NHES SCREENER AND CHILD QUESTIONNAIRES

The NHES:2019 data will be collected by using an eligibility screener and two topical questionnaires:

- 1) The household screener, to be used to identify eligible households for participation in one of the topical surveys.
- 2) The Early Childhood Program Participation Survey (ECP), to be administered to a parent or guardian knowledgeable about the care of children from birth through age 5 and not yet in kindergarten.
- 3) The Parent and Family Involvement in Education Survey (PFI), to be administered to a parent or guardian knowledgeable about the education of children who are either enrolled in school in grades K-12 or homeschooled at these grade levels. This is the first year that the PFI for enrolled and homeschooled children are combined in a single measure; previous administrations used separate versions for homeschooled and enrolled children.

The topics addressed in these two questionnaires have been covered in previous administrations, most recently in 2016.

C.1 Screener

Mailing a paper version or a link to the household screener is the initial step in distributing the NHES survey to potential participants. The screener is used to confirm that the sampled address is residential, and to assess whether eligible children reside in the household. It contains items that inquire about all required sampling information.

The screener assesses whether there are eligible children in the household and is designed to “screen out” households without any children age 20 or younger and thus ineligible to participate. Households with children age 20 or younger are asked to enumerate children living in the household (up to a total of five children) and provide basic demographic information about each child. The screener format in the paper version lists all questions about household children on a single, landscape-oriented page. This reduces the space needed for listing household members and decreases potential errors, including omitting a household member. There is room for up to five children to be listed on the screener.

The back of the screener includes commonly asked questions and responses intended to pre-emptively address questions that many respondents may have. The purpose of this section is to inform respondents fully and assure them of the sponsorship, legitimacy, and privacy protections of the study.

An experimental, paper version of the screener will be tested in NHES:2019. Called the “opt-out” screener, the experimental screener will allow households to indicate on the cover of the survey that there are no children in the household. About two thirds of sampled households will not have children in the household, but we need responses from these households in order to generate nationally representative estimates of children and their characteristics. Therefore, we want to make response from households without children as easy as possible. We hypothesize that the opt-out screener can help us achieve greater response from households without children without harming response rates for households with children.

In addition to the paper screener, NHES:2019 will also be offered by web. The web version of the NHES:2019 web survey will utilize pre-programmed skip patterns to provide respondents with a more user-friendly experience. Verification questions are also added to the NHES:2019 web survey instrument to ensure that important data, when left blank by the respondent or when clarification is needed, are collected. The verification questions help funnel the respondent into the correct skip patterns and/or to clarify the accuracy of the NHES data. Exhibit 1 lists item-by-item descriptions of the NHES screener.

Exhibit 1. Screener Items

| Question # | Item Stem | Purpose |
|------------|---|-----------------------|
| 1 | Are there any children or youth age 20 or younger living in this household? | Determine Eligibility |
| 2 | How many children or youth age 20 or younger live in this household? | Sampling |
| 3 | What is his or her first name, initials, or nickname? | Sampling |

| Question # | Item Stem | Purpose |
|------------|---|----------|
| 4 | What is this child/youth's month and year of birth? | Sampling |
| 5 | What is this child/youth's sex? | Sampling |
| 6 | Is this child/youth currently in...? | Sampling |
| 7 | What is this child/youth's current grade or equivalent? | Sampling |

NHES:2019 Screener Additions

There were no substantive additions made to the NHES:2019 screener from NHES:2016.

NHES:2019 Screener Deletions

The NHES:2016 screener asked for all people in the household to be enumerated, up to 10 possible individuals. NHES:2016 fielded the Adult Training and Education Survey (ATES), which made a full household enumeration necessary for determining eligibility for the ATES. The NHES:2019 asks only for children/youth to be enumerated, and allows space for up to 5 children/youth to be reported. The NHES:2019 web survey will also allow the respondent to report up to 5 children in order to be consistent with the paper version of the screener. Data collection items for adults have been deleted from NHES:2019 in paper and web.

NHES:2019 Screener Revisions

There were no substantive revisions made to the NHES:2019 screener instrument from NHES:2016. Non-substantive changes that were made to the structure or item wording served to fulfill three goals:

1. Utilize the NHES:2012 version of the screener, because it was structured to ask about children in the household only, and not also about adults.

- a. For example, the NHES:2019 screener begins with the item:

Are there any children or youth age 20 or younger living in this household?

Include small children, foster children, babies and those living in college housing (if they have no other permanent home).

2. Leverage additional web survey functionality, making the survey easier for respondents.

- a. For example, the NHES:2019 screener asks respondents who left birth month or birth year blank one additional question. The additional question allows NHES to collect age for the child, which is critical to determining eligibility for the ECPP or PFI.

How old is [this child/youth] in years?

- b. In another example, the following prompt, adapted from the NHES:2007 Computer-Assisted Telephone Interview (CATI) script, is used in the NHES:2019 web survey to attempt to gain greater accuracy in the enumeration of all household children.

Other than the children or youth listed below, does ANYONE ELSE live in this household?

For example, anyone who usually lives here who is temporarily away from home or living in a dorm at school, any babies or small children, or foster children.

- c. The final example shows that in the web survey, words that were underlined in the paper screeners are presented in all capitals in order to make it clear to the respondent that the word should be emphasized but is not a live link.¹

Is [this child/ youth] currently in...

¹ Please note that the convention shown above, in which wording that is underlined in the paper version of the survey is presented in all capital letters in the web version of the survey, carries throughout the ECPP and PFI surveys. However, these differences are not listed singly in the ECPP and PFI sections below for parsimony.

- 1 = Homeschool INSTEAD of attending a public or private school for some or all classes
- 2 = Public or private school, or preschool
- 3 = College, university or vocational school
- 4 = Not in school

3. In the web version of the survey, we leveraged the lessons learned from the NHES:2017 split panel experiment, which tested a version of the screener that asks all information about one person before moving to the next person (2016 version) against a version of the screener that asks for name across all people, then birth date information across all people, then sex across all people, etc. (2017 version). In the split panel, no statistically significant differences were found between the two versions on response rates or response demographics. However, the 2017 version yielded, on average, a slightly higher number of people reported per household and reported as eligible for the ECPP and PFI surveys than the 2016 version. Consequently, the NHES:2019 web survey utilizes the structure of the 2017 version of the screener for question order.

C.2 Early Childhood Program Participation (ECPP) Survey

The following topics are covered in the NHES:2019 ECPP questionnaire:

- Participation in relative care, nonrelative care, center-based programs, and Early Head Start/Head Start
- Care/program characteristics such as location, days and hours per week, and cost
- Care provider characteristics such as language
- Difficulty in finding care and child care selection criteria
- Family education activities such as visiting a library and reading to the child
- Emerging literacy and numeracy
- Children's health and disability
- Parent characteristics
- Household characteristics

Below, the questionnaire items are reviewed further. Each subsection is presented in the order of appearance in the questionnaire.

Instructions

The first page of the questionnaire identifies the focus child selected based on the screener and provides the respondent with instructions for completing the questionnaire. A toll-free number is listed for participants to call in case of confusion about the selected child, or if the household has no child fitting the description given. Respondents are presented with visual examples of the images used to direct respondent to other questions, and respondents are instructed that these images help to route them through the survey.

Section 1. Early Childhood Care and Programs

This section addresses three different types of non-parental care and education: care by relatives, care by nonrelatives, and center-based programs. These three subsections within the first section collect information to describe the different types of non-parental care and education that children may receive. These items provide detailed information on the extent of current participation in the different types of care arrangements and programs, location, amount of time children spend in current arrangements or programs, and the financial cost of current care arrangements or programs to the child's household. This information can then be related to children's personal, family, and household characteristics. The following information is collected in each of these sets of items:

- The number of current arrangements or care programs of each type
- The location and distance from the child's household of the arrangement or program
- The number of days and hours per week the child receives care or attends a program on a weekly basis, and the length of time in attendance at the arrangement or program

- The language(s) used by the care provider
- Whether the care provider will care for the child when the child is sick
- The cost to the household of the arrangement or program, and any applicable assistance in paying for the arrangement or program

Care Your Child Receives from Relatives (Questions 1-19). This subsection asks respondents about care provided by relatives other than the child’s parents. Care is specified to be on a regular basis. Items gather information on where the child is cared for relative to the child’s own home, any applicable costs, and the amount of time spent in care for the primary relative care arrangement.

Care Your Child Receives from Non-Relatives (Questions 20-40). This subsection asks respondents about care provided by non-relatives in a private home. Care is specified to be on a regular basis. Items gather information on where the child is cared for relative to the child’s own home, any applicable costs, and the amount of time spent in care for the primary non-relative care arrangement. The amount of time spent in other non-relative care arrangements is collected to provide a full accounting of time spent in care.

Day Care Centers and Preschool Programs Your Child Attends (Questions 41-60). This subsection asks respondents about programs provided for groups of children in day care centers, preschools, and pre-kindergartens. This can include daycare centers, preschools, pre-kindergartens, or center-based Head Start or Early Head Start programs. Key indicators (e.g., location relative to child’s home, time spent in care, and cost) are collected for the primary center-based program arrangement, and the amount of time spent in other center-based care arrangements are collected to provide a full accounting of time spent in care.

Section 2. Finding and Choosing Care for Your Child (Questions 61-69)

This section includes questions about access to early childhood care and education programs, whether parents and guardians feel as though there are quality options for care available to them, whether parents and guardians found the type of care they wanted, and how much difficulty they believe they had in finding it.

Section 3. Family Activities (Questions 70-76)

This section asks about developmentally rewarding family activities, such as the amount of time spent reading to the child. Parents and guardians are also asked about teaching letters and numbers, telling stories, and visiting bookstores, libraries, or cultural events. These items are designed to assess the degree of educational engagement by the child’s parents or guardians and in the child’s home environment.

Section 4. Your Child’s Early Learning (Questions 77-83)

This section asks about developmental milestones that serve as markers for school readiness, such as knowledge of the alphabet and ability to count. These items can help to inform policy efforts focused on tracking literacy and numeracy and examine these as they relate to early childhood programs and educational family activities.

Section 5. Child’s Health (Questions 84-92)

This section asks about the child’s overall health, as well as specific medical conditions and disabilities. Items also include questions about disability services that the child may receive, and the referral process. Medical conditions and disabilities are developmental risks, and these relate to early and later childhood educational experiences and overall development.

Section 6. Child’s Background (Questions 93-102)

This section asks about the child’s date of birth, country of origin, race and ethnicity, and language spoken at home in order to examine how participation in care programs vary by and relate to these characteristics.

Section 7. Household Members (Questions 103-106)

This section asks about the total number of people living in the household, how these individuals are related to the focus child, how the survey respondent is related to the focus child, and the language(s) spoken at

home by adults in the household.

Section 8. Child's Family (Questions 107-141)

This section includes questions about the child's parents or guardians living in the household. Items include age at first becoming a parent or guardian, native language, country of origin, marital status, educational attainment, and employment status. These items on parent characteristics measure factors that may be associated with participation in early care and education and may also indicate risk factors, such as low parent education, that could be associated with participation in care, child development, and preparation for school.

Section 9. Your Household (Questions 142-148)

This section asks about other persons residing in the household. Items include questions on the relationship of people in the household to the child, receipt of public assistance, and household income. Household composition is an indicator of resources for care and opportunity for interaction within the household. Receipt of public assistance and household income are used to classify families according to the economic resources available to them, and to examine the relationship of the family's economic status to early childhood program participation. These variables, taken along with parent characteristics, can be used to identify children who may be at risk in terms of development and education preparation.

The items in the Early Childhood Program Participation Survey (ECP) assess the following research questions:

1. To what extent do preschool children (birth to age 6 and not yet in kindergarten) participate in non-parental care and early childhood programs?
 - a. In what different types of non-parental care arrangements/programs do children participate?
 - b. How many children participate in multiple care arrangements/programs?
 - c. Where are care arrangements/programs located?
 - d. How much time do children spend in non-parental care arrangements/programs?
 - e. What is the relationship of relative care providers to the children for whom they are caring?
 - f. What is the cost and what payment arrangements are made for the cost of care arrangements/programs?
 - g. How are child and family characteristics related to the care or early childhood education children receive?
 - h. What resources do parents use to find child care?
 - i. Is (emergent) literacy and numeracy related to the type of child care, amount of time in child care, or stability of child care?
 - j. What is the availability of sick child care?
 - k. How does parents' employment status influence their choice of arrangements?
 - l. Do parents report difficulty in finding child care?
 - m. What factors do parents consider important when selecting child care arrangements?
 - n. How well does the child care fit the parents' needs?
 - o. How many other children are sharing the care provided?
2. How has the participation of preschool children in non-parental care arrangements/programs changed from 1991 to the present?
 - a. Have the subpopulations of children participating in various types of care arrangements/programs changed?
 - b. Has the amount of time children spend in care arrangements/programs changed?
3. Do at-risk children have the same access to non-parental care arrangements/programs as other children?
 - a. Are at-risk children more or less likely to participate in non-parental care arrangements/programs than other children?

- b. Do at-risk children participate in different numbers and/or types of care arrangements/programs than those children not classified as at-risk?
4. What type of child care subsidies/benefits have parents received from government agencies or from their employers?
5. What is the extent of families' involvement in family-child education activities?
 - a. To what extent do families participate in selected education activities at home with their child?
 - b. Is participation in education activities related to preschoolers' emerging literacy and numeracy?
6. How is children's health/disability status related to their participation in non-parental care and education?

Exhibit 2 provides item descriptions of each question in the Early Childhood Program Participation Survey, as well as the research question addressed by each item.

Exhibit 2. Item Descriptions of the Early Childhood Program Participation Survey

| Question # | Item Stem for ECPP | Research Question or Purpose |
|---|--|--|
| Section 1: Childhood Care and Programs, Questions 1-60 | | |
| 1 | Child receiving relative care from someone other than a parent or guardian | Household/family composition; Research Question 1a |
| 2 | Arrangements regularly scheduled at least once a week | Research Question 1d |
| 3 | Relative care provider's relationship to the child | Research Question 1e |
| 4 | Age of relative care provider | Research Question 1e |
| 5 | Place care is provided | Research Question 1c |
| 6 | Time to travel from own home to relative's home | Research Question 1c, 1n |
| 7 | Number of days each week child receives care | Research Question 1d |
| 8 | Number of hours each week child receives care | Research Question 1d |
| 9 | How well arrangement covers hours needed for work | Research Question 1n |
| 10 | Age of child when this particular care began | Research Question 1d |
| 11 | Language relative speaks while giving care | Research Question 1g |
| 12 | Relative care for child when sick | Research Question 1j |
| 13 | Number of other children cared for by provider at same time | Research Question 1o |
| 14 | Fee charged for care | Research Question 1f |
| 15 | People/programs/organizations that help pay childcare expenses | Research Question 1f, 4 |
| 16 | Total amount paid for relative childcare | Research Question 1f |
| 17 | Number of children amount covers, including sampled child | Research Question 1f |
| 18 | Any other relative care arrangements on a regular basis | Research Question 1a |
| 19 | Total hours each week spent in those other relative care arrangements | Research Question 1d |
| 20 | Child receiving non-relative home-based care on a regular basis | Household composition; Research Question 1a |
| 21 | Arrangements regularly scheduled at least once a week | Research Question 1d |
| 22 | Does care provider live in household | Research Question 1c |
| 19 | Care provided in home or in another home | Research Question 1c |
| 23 | Care provider lives in household | Research Question 1c |
| 24 | Time to travel from own home to provider's home | Research Question 1c, 1n |
| 25 | Number of days each week child receives care | Research Question 1d |
| 26 | Number of hours each week child receives care | Research Question 1d |
| 27 | How well arrangement covers hours needed for work | Research Question 1n |
| 28 | Age of child when this particular care arrangement began | Research Question 1d |
| 29 | Was the care provider someone the respondent knew | Research Question 1h |
| 30 | Provider aged 18 or over | Research Question 1e |
| 31 | Language non-relative speaks while giving care | Research Question 1g |
| 32 | Non-relative care for child when sick | Research Question 1j |

| Question # | Item Stem for ECPP | Research Question or Purpose |
|---|--|---|
| 33 | Number of other children cared for by provider at same time | Research Question 1o |
| 34 | Would you recommend this care provider to another parent | Research Question 1h |
| 35 | Fee charged for care that is paid by respondent or another person/agency | Research Question 1f |
| 36 | People/programs/organizations that help pay childcare expenses | Research Question 1f, 4 |
| 37 | Total amount paid for nonrelative childcare | Research Question 1f |
| 38 | Number of children amount covers, including sampled child | Research Question 1f |
| 39 | Any other non-relative home-based care arrangements on a regular basis | Research Question 1a |
| 40 | Total hours each week spent in those other non-relative home-based care arrangements | Research Question 1d |
| 41 | Is child now in any center-based/preschool/prekindergarten care arrangements | Research Question 1a |
| 42 | Does child go to a center-based care/preschool/prekindergarten at least once a week | Research Question 1d |
| 43 | Location of center-based care arrangement | Research Question 1a, 3b |
| 44 | Religious content taught | Research Question 1c, 1g |
| 45 | Care provided at parents' workplace | Research Question 1c |
| 46 | Is this program a Head Start or Early Head Start program | Research Question 1a, 3b |
| 47 | Number of days each week child receives care | Research Question 1d |
| 48 | Number of hours each week child receives care | Research Question 1d |
| 49 | How well program covers hours needed for work | Research Question 1n |
| 50 | Age of child when this particular care arrangement began | Research Question 1d |
| 51 | Language main care provider speaks while giving care | Research Question 1g |
| 52 | Time to travel from own home to provider | Research Question 1c, 1n |
| 53 | Would you recommend this program to another parent | Research Question 1h |
| 54 | Program provides services to the child/family | Research Question 1g |
| 55 | Fee charged for care | Research Question 1f |
| 56 | People/programs/organizations that help pay childcare expenses | Research Question 1f, 4 |
| 57 | Total amount paid for this program | Research Question 1f |
| 58 | Number of children amount covers, including sampled child | Research Question 1f |
| 59 | Does this child have any other center-based care arrangements on a regular basis | Research Question 1a |
| 60 | Total hours each week spent in those other center-based care arrangements | Research Question 1d |
| Section 2: Finding and Choosing Care (61-69) | | |
| 61 | Has child ever attended Head Start | Research Question 1g, 2a, 2b, 3a, 3b, 4 |
| 62 | Main reason for wanting childcare | Research Question 1m, 11 |
| 63 | Good choices for childcare | Research Question 1m, 11 |
| 64 | Ever searched for care for child | Research Question 1a |
| 65 | Difficulty finding care | Research Question 1m, 11 |
| 66 | Main reason for difficulty finding care | Research Question 1m, 1n, 11 |
| 67 | Did child have a care arrangement in past year | Research Question 1a |
| 68 | Main reason household chose this care arrangement | Research Question 1m, 1n, 11 |
| 69 | Importance of factors considered when choosing childcare arrangement | Research Question 1m, 11 |
| Section 3: Family Activities (70-76) | | |
| 70 | Number of books this child owns | Research Question 1i |
| 71 | Number of times child was read to in the past week | Research Question 1i, 5a |
| 72 | During those times, how many minutes are spent reading to the child | Research Question 1i, 5a |
| 73 | Activities done in the past week | Research Question 1i, 5a |

| Question # | Item Stem for ECPP | Research Question or Purpose |
|---|--|---|
| 74 | Number of family meals together in the past week | Research Question 1i |
| 75 | Visited the library in the past month | Research Question 1i, 5a |
| 76 | Visited a bookstore in the past month | Research Question 1i, 5a |
| Section 4: Things your Child may be Learning (77-83) | | |
| 77 | Child 2 years of age or younger/older | Verification item |
| 78 | Child can recognize letters of the alphabet | Research Question 1i, 5b |
| 79 | Can child write his/her name even if letters are backwards | Research Question 1i, 5b |
| 80 | Can child recognize beginning sounds of a word | Research Question 1i, 5b |
| 81 | Can child explain things well enough to get a good idea | Research Question 1i, 5b |
| 82 | How high can this child count | Research Question 1i, 5b |
| 83 | Can this child identify basic shapes | Research Question 1i, 5b |
| Section 5: This Child's Health (84-92) | | |
| 84 | Describe child's health | Research Question 1g, 3a, 3b |
| 85 | Child's diagnosed conditions | Research Question 1g, 3a, 3b |
| 86 | If child under 3, has professional said child is "at-risk" for developmental delay | Research Question 1g, 3a, 3b |
| 87 | Yes response to question 85 or 86 | Research Question 1g, 3a, 3b |
| 88 | Does child receive services for condition by an IFSP or IEP | Research Question 1g, 3a, 3b |
| 89 | Overall satisfaction/dissatisfaction with child's IFSP or IEP | Research Question 1g, 3a, 3b |
| 90 | Child currently enrolled in special education classes/services | Research Question 1g, 3a, 3b |
| 91 | Child's condition affect his/her ability to do the following things | Research Question 1g, 3a, 3b |
| 92 | Does child's condition interfere with ability to attend care | Research Question 1g, 3a, 3b |
| Section 6: Child's Background (93-102) | | |
| 93 | In what month and year was this child born | Research Question 1g, 2a, 3a, 3b |
| 94 | Where was this child born | Research Question 1g, 2a, 3a, 3b |
| 95 | Age of child when first moved to the US/ District of Columbia | Research Question 1g, 2a, 3a, 3b |
| 96 | Is this child of Spanish, Hispanic, or Latino origin | Research Question 1g, 2a, 3a, 3b |
| 97 | Child's race | Research Question 1g, 2a, 3a, 3b |
| 98 | Child's sex | Research Question 1g, 2a, 3a, 3b |
| 99 | Does child live at this address and another address | Research Question 1g, 2a, 3a, 3b |
| 100 | Time spent at joint addresses | Research Question 1g, 2a, 3a, 3b |
| 101 | Language child speaks at home | Research Question 1g, 2a, 3a, 3b |
| 102 | Child currently enrolled in English as a second language, bilingual education, or an English immersion program | Demographic/ background characteristics |
| Section 7: Household Members (103-106) | | |
| 103 | Number of people in household | Household Demographics |
| 104 | How many of the following live in the household with this child | Household Demographics |
| 105 | How is respondent related to child | Household Demographics |
| 106 | Languages spoken by adults in household | Household Demographics |
| Section 8: Child's Family (103-xx) | | |
| Parent 1 | Parent/Guardian section | |
| 107 | Parent/guardian relationship to child | Research Question 1g |
| 108 | Is this person male or female | Research Question 1g |
| 109 | Marital status of this parent or guardian | Research Question 1g |
| 110 | Is parent or guardian living with partner in household | Research Question 1g |
| 111 | First language parent or guardian learned to speak | |
| 112 | What language does this parent or guardian speak most at home now | Research Question 1g |
| 113 | Where was this parent or guardian born | Research Question 1g |
| 114 | How old was this parent or guardian when he/ she first moved to the US/ District of Columbia | Research Question 1g |
| 115 | Is this parent or guardian of Spanish, Hispanic, or Latino origin | Research Question 1g |
| 116 | What is this parent or guardian's race | Research Question 1g |

| Question # | Item Stem for ECPP | Research Question or Purpose |
|--|---|---|
| 117 | Parent/guardian's highest level of education completed | Research Question 1g |
| 118 | Is parent or guardian currently attending or enrolled in a school/vocational education/job training | Research Question 1g |
| 119 | Parent/guardian employment status | Research Question 1g |
| 120 | Number of hours worked per week for pay, if employed/self-employed | Research Question 1g, 1k |
| 121 | Looking for work in the past 4 weeks, if unemployed | Research Question 1g, 1k |
| 122 | Worked for pay or income in the past 12 months | Research Question 1g, 1k |
| 123 | Age of parent/guardian | Research Question 1g |
| Parent 2 | Parent/Guardian section | |
| 124 | Parent/guardian # 2 present in the household | Research Question 1g |
| 125 | Parent/ guardian relationship to child | Research Question 1g |
| 126 | Is this parent or guardian male or female | Research Question 1g |
| 127 | Marital status of this parent or guardian | Research Question 1g |
| 128 | Is parent or guardian living with partner in household | |
| 129 | First language parent or guardian learned to speak | Research Question 1g |
| 130 | What language does this parent or guardian speak most at home now | Research Question 1g |
| 131 | Where was this parent or guardian born | Research Question 1g |
| 132 | How old was this parent or guardian when he/she first moved to the US/District of Columbia | Research Question 1g |
| 133 | Is this parent or guardian of Spanish, Hispanic, or Latino origin | Research Question 1g |
| 134 | What is this parent or guardian's race | Research Question 1g |
| 135 | Parent/guardian highest level of education completed | Research Question 1g |
| 136 | Is parent or guardian currently attending or enrolled in a school/vocational education/job training | Research Question 1g |
| 137 | Parent/guardian employment status | Research Question 1g |
| 138 | Number of hours worked per week, if employed/self-employed | Research Question 1g, 1k |
| 139 | Looking for work in the past 4 weeks, if unemployed | Research Question 1g, 1k |
| 140 | Worked for pay or income in the past 12 months | Research Question 1g, 1k |
| 141 | Age of parent/guardian | Research Question 1g |
| Section 9: Your Household (xx-xx) | | |
| 142 | Benefits received in the past 12 months | Household Demographics |
| 143 | Total household income | Variables used for weighting; Research Question 1g, 2a. |
| 144 | Is home or apartment owned or rented | Household Demographics |
| 145 | Internet access on cell phone | Household Demographics |
| 146 | Internet access at home | Household Demographics |
| 147 | How frequently child uses Internet for learning activities | Household Demographics |
| 148 | Type of device used | Household Demographics |

NHES:2019 ECPP Additions

Several items were added to NHES:2019 to collect more detail about the care arrangements that parents are choosing (Section 1. Early Childhood Care and Programs):

On average, how long does it take to go from your home to this [ECPP_RCTYPE_ALT/relative]'s home?

1=Less than 10 minutes

2=About 10 to 20 minutes

3=About 20 to 30 minutes

4=About 30 minutes to 1 hour

5=More than 1 hour

How well does this relative care arrangement cover the hours needed for work?

- 1=Not well
- 2=Somewhat well
- 3=Well
- 4=Very well
- 5=Not applicable

How many other children does this [ECPP_RCTYPE_ALT/relative] care for while caring for [this child]?

- 1=None
- 2=1-2
- 3=3-5
- 4=6 or more

These items were tested in cognitive tests. The first two items were developed for NHES:2019. The last item was from a previous NHES administration which used Computer-Assisted Telephone Interviews (CATI). The items above are shown from the section that asks the respondent about a relative care arrangement; however, the same new questions have also been added to the nonrelative care arrangement section and the center-based care arrangement section with the same wording. Some reordering of items in the nonrelative care section was also implemented to avoid asking parents whose children were in a nonrelative care section in the child’s own home how long it takes to get to the care arrangement.

For parents whose children are in a center-based care arrangement, the following item was added for NHES:2019:

Does this [program] teach religious content to the children?

- 1=Yes
- 2=No

The religious content item was added to help data users research how care arrangement choices and the religiosity of the arrangement relate. In prior years of data collection, one would have to assume that an arrangement “located in a church, synagogue, or other place of worship” and/or “run by a church, synagogue, or other religious group” teaches religious content, which may not be true. This item was developed for NHES:2019 and tested in cognitive tests.

The Finding and Choosing Care section of the NHES:2019 ECPP was restructured and some new questions were added:

Have you ever searched for care for [this child]?

- 1=Yes
- 2=No

What was the main reason your household chose the care arrangement(s) that you chose for [this child]?

[open-ended item]

The revamping of the Finding and Choosing Care section evolved from attempts to add a number of new items to this section which failed in cognitive testing. It became clear in testing that this section, though it starts with all respondents, needs to quickly filter out parents who have not searched for care for the sampled child. It also became clear that new forced-choice questions could not adequately be developed for NHES:2019. So an open-ended item was developed at the conclusion of the testing period.

In the section “Things Your Child May Be Learning,” a few additions were tested and incorporated into NHES:2019 following advice from the technical review panel about aspects of school readiness on emerging literacy and numeracy that recent research emphasizes over other aspects. The first item comes from a CATI-based version of a previous NHES administration. The second and third items come from the National Survey of Children’s Health. The following items were added:

Can this child recognize the beginning sound of a word? For example, can [this child] tell you that the word “ball” starts with the “buh” sound?

1=Yes

2=No

How often can [this child] explain things he or she has seen or done so that you get a very good idea of what happened?

1=Always

2=Usually

3=About half the time

4= Sometimes

5=Never

Can [this child] identify basic shapes such as a triangle, rectangle, circle, or square?

1= No

2= Yes, some of them

3= Yes, most of them

4= Yes, all of them

One item was added to the Child’s Health section of the ECPP because of a recommendation from the Technical Review Panel to collect data about whether or not a child’s disability prevents the child from attending a care arrangement. The item was developed for NHES and was tested in cognitive tests. The final item wording is:

If your child goes to a care arrangement outside of your home, does this child’s condition interfere with his or her ability to attend child care?

1=Yes

2=No

3=This child is not in care outside of the home

In addition to the substantive additions to NHES content discussed above, the web version of the NHES:2019 ECPP also optimizes web functionality to help us collect better data. Leveraging the functionality of the web requires us to ask additional questions that are not asked on paper, though not about new constructs. As an example, an item at the beginning of the ECPP verifies eligibility of the sample member in situations when the sampled child is ages 5 or 6 and enrollment was left blank on the screener:

For these next set of questions, we will ask about [SAMPLED CHILD].

To confirm, [CHILD] has...

1 = Started kindergarten

2 = Not yet started kindergarten

NHES:2019 ECPP Deletions

In the section “Things Your Child May Be Learning,” four additions were tested and incorporated into NHES:2019 following advice from the technical review panel about aspects of school readiness that recent research on emerging literacy and numeracy emphasizes over other aspects. In order to make room for those new items, the following items were dropped:

68. Can this child identify the colors red, yellow, blue, and green by name?

€ No

€ Yes, some of them

€ Yes, all of them

1. Does this child ever read or pretend to read storybooks on his/her own?

€ No

€ Yes

2. Does this child actually read the words written in the book, or does he/she look at the book and pretend to read?
- € Pretends to read
 - € Actually reads the written words
 - € Does both
3. When this child pretends to read a book, does it sound like a connected story, or does he/she tell what is in each picture without much connection between them?
- € Sounds like connected story
 - € Tells what's in each picture
 - € Does both
 - € Does neither

NHES:2019 ECPP Revisions

Throughout testing, some revisions were identified for NHES:2019 from the NHES:2016 items. These are listed in detail in Exhibit 3 below. Differences between 2016 and 2019 item wording are highlighted in yellow.

Exhibit 3. ECPP Revisions for NHES:2019

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|--|---|---|---------|--------|
| Care Your Child Receives from Relatives | | | | |
| <p>12. Do any of the following people, programs, or organizations help pay for this relative to care for this child?</p> <ul style="list-style-type: none"> a. A relative of this child outside your household who provides money <u>specifically</u> for that care, not including general child support b. Temporary Assistance for Needy Families, or TANF c. Another social service, welfare, or child care agency d. An employer, not including a tax-free spending account for child care e. Someone else | <p>Do any of the following people, programs, or organizations help pay for this [ECPP_RCTYPE_ALT/relative] to care for [this child]?</p> <p>Please select one response for EACH item below.</p> <ul style="list-style-type: none"> a. A relative of [this child] outside your household who provides money SPECIFICALLY for that care, not including general child support, (1=Yes, 2=No), b. Your state welfare or family assistance program (this may be called Temporary Assistance for Needy Families [TANF] or something else), (1=Yes, 2=No), c. Another social service, welfare, child care, or other kind of agency, , (1=Yes, 2=No), d. An employer, not including a tax-free spending account for child care, (1=Yes, 2=No), e. Someone else, (1=Yes, 2=No), | To update and clarify the reference to Temporary Assistance for Needy Families (TANF) | Yes | NHES |
| <p>13. How much does your household pay for this relative to care for this child, not counting any money that may be received from others to help pay for care?</p> | <p>What is the easiest way for you to tell us the amount your household pays this [ECPP_RCTYPE_ALT/relative] to care for [this child]? Do not include any money that you may</p> | The web version ONLY of the NHES:2019 ECPP uses a modification to the item wording used in the paper version of the NHES:2016 and NHES:2019 ECPP. | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|--|--|--|------------|-------------|
| <p>Write '0' if your household does not pay this relative for care. \$-----00 Is that amount per... € Hour € Day € Week € Month € Year € Every 2 weeks € Other-specify: 14. How many children from your household is this amount for, including this child? € This child only € 2 children € 3 children € 4 children € 5 or more children</p> | <p>receive from others to help pay for care. 1= Hourly 2= Daily 3= Weekly 4=Every 2 weeks 5= Monthly 6= Yearly 7 = Other – Specify: How many children from your household is the [ECPP_RCUNIT] fee for, INCLUDING [this child]? 1= [This child] only 2= [This child] and 1 other child 3= [This child] and 2 other children 4= [This child] and 3 other children 5= [This child] and 4 or more other children How much does YOUR HOUSEHOLD pay for care from this [ECPP_RCTYPE_ALT/relative] [RCUNIT] NOT COUNTING any money that may be received from others to help pay for care? Enter '0' if your household does not typically pay for this care. [Display unit reported in item above.]</p> | <p>This modification was recommended by expert reviewers at the Census Bureau’s Center for Survey Measurement and was tested in the 2017 NHES Web Test.</p> | | |
| <p>Care Your Child Receives from Non-relatives Same revision to TANF item and cost of care sequence in Relative Care section made to Nonrelative Care section.</p> | | | | |
| <p>Day Care Centers and Preschool Programs Your Child Attends Same revision to TANF item and cost of care sequence in Relative Care section made to Center-Based Care section.</p> | | | | |
| <p>47. Does this program provide any of the following services to this child or your family? Mark X ONE box for each item below. a. Hearing, speech, or vision testing...No, Yes b. Physical examinations...No Yes c. Dental examinations...No Yes d. Formal testing for developmental or learning problems... No Yes e. Sick child care when this child is sick but does not have a fever...No Yes f. Sick child care when this child is sick and has a fever...No Yes</p> | <p>Has this [program] provided any of the following services to [this child]? Please select one response for EACH item below. a. Hearing, speech, or vision testing, (1=Yes, 2=No, 3= Don't know), b. Physical examinations, (1=Yes, 2=No, 3= Don't know), c. Dental examinations, , (1=Yes, 2=No, 3= Don't know), d. Formal testing for developmental or learning problems, (1=Yes, 2=No, 3= Don't know), e. Medication administration, (1=Yes, 2=No, 3= Don't know),</p> | <p>Cognitive testing results revealed that respondents were unsure whether to mark yes if the child EVER received the services. In many cases, respondents wanted a “don’t know” response option, which supported technical review panel comments that centers may not inform parents of all of these services. Medication administration was added because subject matter experts at the technical review panel suggested that medication administration is an important service for center-based care arrangements to provide.</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|--|---------|--------|
| | f. Sick child care when this child is sick but does not have a fever, (1=Yes, 2=No, 3= Don't know), g. Sick child care when this child is sick and has a fever, (1=Yes, 2=No, 3= Don't know), | | | |
| Finding and Choosing Care for Your Child | | | | |
| 55. What is the main reason your household wanted a care program for this child in the past year? <i>Mark XONE only.</i> <ul style="list-style-type: none"> € To provide care when a parent or guardian was at work or school € To prepare [this child] for school € To provide cultural or language learning € To make time for running errands or free time € Some other reason € Did not have care in the past year | What is the MAIN reason your household wanted a care arrangement for [this child] in the past year? 1 = Did not have care in the past year 2=To provide care when a parent or guardian was at work or school 3=To prepare [this child] for school 4=To provide cultural or language learning 5= To make time for running errands or free time 6= Some other reason | Cognitive testing results indicated that respondents without a care arrangement for their child in the past year were trying to choose a response option other than “Did not have care in the past year” because they did not notice it. | Yes | NHES |
| 57. How much difficulty did you have finding the type of child care or early childhood program you wanted for this child? <ul style="list-style-type: none"> € Have not tried to find care € No difficulty € A little difficulty € Some difficulty € A lot of difficulty € Did not find the type of child care program you wanted | How much difficulty did you have finding the type of child care or early childhood program you wanted for [this child]? 1= No difficulty 2= A little difficulty 3= Some difficulty 4= A lot of difficulty 5= Did not find the type of child care program I wanted | Cognitive testing for NHES:2019 revealed that respondents were conflating whether or not they “searched” for care and the level of difficulty in this item. The wording change for response 5 was made to be consistent with pronoun usage in the remainder of the survey. | Yes | NHES |
| 58. What was the primary reason for the difficulty finding care? <ul style="list-style-type: none"> € Cost € Location € Quality € Lack of open slots for new children € Needed a program for children with special needs € Other – Specify: | What was the MAIN reason for the difficulty finding child care or early childhood programs? 1 = Cost 2 = Location 3 = Quality 4 = Lack of open slots for new children 5 = Needed a program for children with special needs 6 = Other – Specify: | Simplified primary to “main” and “care” specified as “child care or early childhood programs” to be inclusive of all care types. | Yes | NHES |
| 59. How important was each of these reasons when you chose the child care arrangement or program where this child spends the most time? h.Ratings on a website? <ul style="list-style-type: none"> € Not at all important | How important was each of these reasons when you chose the childcare arrangement or program where [this child] spends the most time? Please select one response for EACH item below. | Cognitive interview results suggested that: <ul style="list-style-type: none"> • a not applicable response would provide better data for the ratings and recommendations items. | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|--|---------|---------------|
| € A little important € Somewhat important € Very important i. Recommendations from friends and family? € Not at all important € A little important € Somewhat important € Very important j. The religious orientation of the program? € Not at all important € A little important € Somewhat important € Very important | a. – g. ... b. Ratings on a website, (1= Not at all important, 2= A little important, 3= Somewhat important, 4= Very important 5= Website ratings were not available), c. Recommendations from friends and family, (1= Not at all important, 2= A little important, 3= Somewhat important, 4= Very important 5= Family and friends did not provide recommendations), d. ... e. Whether or not the program teaches religious content, , (1= Not at all important, 2= A little important, 3= Somewhat important, 4= Very important), | <ul style="list-style-type: none"> parents who selected an arrangement because it did not teach religious content were unsure about how to answer the 2016 version. | | |
| Family Activities | | | | |
| No revisions. | | | | |
| Things Your Child May Be Learning | | | | |
| 69. Can this child recognize the letters of the alphabet? No Yes, some of them Yes, most of them Yes, all of them | Can [this child] correctly recognize the letters of the alphabet? 1= No, none of them 2= Yes, some of them 3 = Yes, most of them 4= Yes, all of them | For this item, “correctly” was added to address expert review concerns of parent over-report. The response option “no” was revised to “No, none of them” for clarity. | Yes | Previous NHES |

C.3 Parent and Family Involvement in Education (PFI) Survey

The NHES:2019 PFI questionnaire is a significant modification from those used in 2016, as both the PFI-Enrolled and PFI-Homeschooled measures are combined into a single questionnaire, the PFI. The following topics are covered in the PFI questionnaire:

- School characteristics such as control (public/private) and school choice
- Student experiences in school, academic grades, and grade repetition
- Parent and family involvement/participation in school
- School practices to involve and support families
- Family involvement in children’s schoolwork
- Homeschooling
- Family activities such as arts and crafts, visiting a library, or attending a play or concert
- Children’s backgrounds
- Children’s health and disability
- Parent characteristics
- Household characteristics

Whether a child is enrolled or homeschooled and his or her current grade level is collected for all household children in the screener and displayed at the beginning of the self-administered topical questionnaire. Parents of children enrolled in elementary or secondary school are asked about their children’s experiences in school, feedback that they receive from teachers on their child’s school performance, their involvement in school activities, school practices to involve families, and their involvement in homework. Parents of homeschooled students are asked about their reasons for homeschooling and sources of instruction used in their children’s homeschooling. All parents are asked questions on their home activities and family involvement in activities outside of school, such as visiting a library. Parents are also asked questions on their children’s health,

disabilities, and demographic characteristics, the characteristics of parents/guardians residing in the household, and household characteristics.

Questionnaire items are reviewed further below. Each subsection is presented in the order of appearance in the questionnaire.

Instructions

The first page of the questionnaire identifies the selected child based on the screener and provides the respondent with instructions for completing the questionnaire. The 2019 version includes visual examples of the images used to direct respondent to other questions, and respondents are instructed that these images help to route them through the survey. A toll-free number is provided in case there is confusion about the selected child, or if the household has no child fitting the description given.

Section 1. Child's Schooling (Questions 1-3)

This section is a novel addition to the PFI and functions as a navigational router for respondents based on the type of schooling in which the focus child is enrolled. This section serves to direct respondents to either the Child's Homeschooling or Child's School section.

Section 2. Child's Homeschooling (Questions 4-29)

This section is intended for respondents completing the survey for a child who is homeschooled on a full or part-time basis. Respondents are asked whether the focus child is homeschooled for some or all of his or her classes, who mainly provides the home instruction, whether the child attends a co-op, the subject areas taught to the child for his or her home instruction, and why the respondents chose to homeschool this child. Respondents are also asked whether the focus child is enrolled in any online or virtual courses, as well as how many online courses the child takes. Respondents are also asked about the different reasons the focus child is enrolled in online courses, the most important reason for being enrolled in these, and the total cost of tuition and fees for the child's online courses.

Section 3. Child's School (Questions 30-58)

This section is intended for respondents completing the survey for a child who attends a brick and mortar school on at least a part-time basis. This section asks about whether the school is public or private, a charter school, a magnet school, or includes a magnet program that the child attends; whether respondents were able to elect an alternate school in place of the district-assigned school; whether respondents looked at other schools for the child; and the degree of importance placed on different school factors, such as location, safety, the quality of staff, the curriculum focus, academic performance, and cost, among other factors. Respondents are asked how they found out about the child's school, whether it was their first choice school for the focus child, and how many hours each week their child attends a school. Respondents are also asked about the school's communication with the child's household, the child's performance in school, and the amount of days the child has been absent this school year.

In addition, respondents are asked whether the focus child is enrolled in any online or virtual courses, as well as how many online courses the child takes. Respondents are also asked about the different reasons that the focus child is enrolled in online or virtual courses, the most important reason for being enrolled in these, and the total cost of tuition and fees for the child's online courses.

Section 4. Families and School (Questions 59-64)

This section asks respondents about whether and how parents or guardians are involved in school activities, such as volunteering at the child's school, serving on school committees, participating in fundraising, and other contact with faculty and staff. Respondents are also asked about whether the school communicates with parents or guardians, and the form in which communication is made. Respondents are also asked about how well the school provides information about different aspects of the child's school functioning and academic performance, as well as how satisfied they are with the child's school.

Section 5. Homework (Questions 65-71)

This section asks respondents about the amount of homework the focus child is assigned, the space available for the child to perform his or her homework, and how much assistance the family members provide with the child's homework. These questions address the engagement and involvement of parents or guardians in the focus child's education.

Section 6. Family Activities (Questions 72-74)

This section asks about developmentally rewarding family activities, such as working on a project together, playing sports or games together, discussing time management, or doing arts and craft together. Respondents are also asked about the number of days spent eating the family meal together, as well as whether the respondent and child have visited bookstores, libraries, or cultural events. These items are designed to assess the degree of educational engagement by the child's parents or guardians.

Section 7. Child's Health (Questions 75-81)

This section asks about the child's overall health, as well as specific medical conditions and disabilities. Items also include questions about disability services that the child may receive, and the referral process. Medical conditions and disabilities can be education outcome risks. These also relate to children's educational experiences and may impact parents' educational choices for the child.

Section 8. Child's Background (Questions 82-91)

This section asks about the child's date of birth, country of origin, race and ethnicity, and language spoken at home in order to examine how participation in care programs vary by and relate to these characteristics.

Section 9. Household Members (Questions 92-95)

This section asks about the total number of people living in the household, how these individuals are related to the focus child, how the survey respondent is related to the focus child, and the language(s) spoken at home by adults in the household.

Section 10. Child's Family (Questions 96-136)

This section includes questions about the child's parents or guardians living in the household. Items include age at first becoming a parent or guardian, native language, country of origin, marital status, educational attainment, and employment status. These items on parent characteristics measure factors that may be associated with participation in educational engagement.

Section 11. Your Household (Questions 137-144)

This section asks about other persons residing in the household. Items include questions on the relationship of people in the household to the child, receipt of public assistance, and household income. Household composition is an indicator of resources for care and opportunity for interaction within the household. Receipt of public assistance and household income are used to classify families according to the economic resources available to them, and to examine the relationship of the family's economic status to early childhood program participation. These variables, taken along with parent characteristics, can be used to identify children who may be at risk in terms of development and education preparation.

Section 12. School Identification (Questions 145 and 146)

These two questions ask respondents to identify the child's school. Identifying the school allows the linkage of existing school data collected by NCES, including the Common Core of Data (CCD) and Private School Universe Survey (PSS). By linking the identified school to the school data, researchers may investigate how child and family variables relate to school level variables, including location/urbanicity, school type, standardized test scores, and other school demographics.

The items in the Parent and Family Involvement in Education survey assess the following research questions:

1. In what ways and to what extent are parents and families involved in their children's schooling?

- a. To what extent are parents and families involved in choosing their children's schools?
 - b. What are the reasons for parents' school choices and what types of information do parents obtain to make these choices?
 - c. In what ways are parents and families involved directly with their children's schools (e.g., meetings, volunteering, etc.)?
 - d. What is the relationship between parents' characteristics and the extent of parents' and families' involvement in school choice and children's schooling?
 - e. What is the relationship between parent and family involvement in school and student experiences and performance (e.g., grades, retention)?
 - f. What is the relationship between parent and family involvement in school and student characteristics?
2. What are parents' perceptions of communication by teachers or other school personnel with parents or families?
 - a. What is the type and purpose of school communication reported by parents including school contact to discuss both problems and how well the child is doing in school?
 - b. What frequency and modes of school contact with families do parents report?
 - c. What are the differences in parent perceptions of the purpose and frequency of communication by school characteristics?
 - d. How are parent perceptions of school/family communication related to their involvement with the school, in homework, and in learning activities outside of school?
3. What types of school practices to involve and support families are reported by parents?
 - a. What are the school practices that parents report?
 - b. What is the relationship between school practices and different types and levels of involvement with the school, in homework, and in learning activities outside of school?
 - c. What are the differences in reports of school practices based on school characteristics?
 - d. What is the relationship of parent-reported school practices to levels of involvement by socioeconomic status?
 - e. What is the relationship between family involvement with the school and parent assessments of the school environment concerning parent and family involvement?
4. What are the barriers to school involvement by families?
 - a. What are the language barriers that language minority families face and how do they relate to the type and extent of their involvement with the school?
 - b. Do parent perceptions of the efficacy of their involvement relate to the type and extent of family involvement?
5. In what ways and to what extent are parents and other household members involved in their children's homework?
 - a. How does the involvement of household members in homework relate to student experiences and performance?
 - b. How often do household members help children with homework?
 - c. How does the environment that families create for homework completion relate to student experiences and performance?
 - d. How do parents' characteristics relate to the extent of parents' involvement in children's homework?
6. In what ways are parents and family members involved in non-school activities with children at home?
 - a. What is the type and extent of family involvement in daily activities and other learning activities of children and how does this relate to student experiences and performance?
7. How is children's health/disability status related to family involvement and student behavior, experiences and performance?
 - a. How is children's health related to the level of parent and family involvement in their education?

- b. What is the extent of parent reporting of children’s disabilities?
 - c. How are children’s health and disabilities related to the extent of parent and family involvement, school practices, and student experiences and performance?
 - d. To what extent do children receive services for disabilities and from what sources?
 - e. What is the extent of children’s participation in Individualized Education Programs (IEPs) or enrollment in special education classes?
 - f. What is the extent of parents’ and families’ involvement with the school in developing their children’s IEPs?
 - g. Are parents satisfied with their children’s IEPs or special education classes or services, including the school’s communication with the family, the special needs teacher or therapist, and the school’s ability to accommodate the child’s special needs?
8. What is the extent of homeschooling of children during their school years?
- a. To what extent do homeschooled students also attend schools to receive some of their instruction?
 - b. To what extent do parents use homeschool communities or resources such as distance learning/Internet to obtain materials or develop curricula?
 - c. Of the total school-going years, how many years are children homeschooled?
 - d. What are the reasons for homeschooling by parents?
 - e. What is the role of the Internet and the use of other technology or media for homeschooling instruction and curriculum development?
 - f. What types of instruction (by teacher, subject) do homeschooled children receive?
 - g. To what extent are homeschool families involved in homeschool communities and groups?
9. What is the extent of participation in online or virtual classes?
- a. To what extent are homeschooled students engaged in virtual classes?
 - b. To what extent are enrolled students engaged in virtual classes?
 - c. What are the reasons for enrollment in online classes?
 - d. Who provides instruction for online classes?
 - e. What is the cost of online learning?

Exhibit 4 provides item descriptions of each question in the Parent and Family Involvement in Education Survey, as well as the research question addressed by each item.

Exhibit 4. Item Descriptions of the Parent and Family Involvement in Education Survey

| Question # | Item Stem for PFI | Research Question/Purpose |
|--|--|------------------------------------|
| Section 1: Childs Schooling (1-3) | | |
| 1 | Confirmation of child’s grade | Verification question |
| 2 | Type of schooling this child receives | Verification, Research Question 8a |
| 3 | Did respondent mark yes to Homeschool | Navigational router |
| Section 2. Child’s Homeschooling (Questions 4-29) | | |
| 4 | Is child homeschooled for at least some classes | Verification question |
| 5 | Amount of homeschool classes | Research Question 8a |
| 6 | Is any instruction provided by homeschool group or co-op | Research Question 8b, 8g |
| 7 | Who mainly provides the home instruction | Research Question 8b, 8f |
| 8 | Is any home instruction provided by a tutor or teacher | Research Question 8f |
| 9 | Is child enrolled in any online or virtual courses | Research Question 8e, 9a |
| 10 | Reasons for enrollment in online courses | Research Question 9c |
| 11 | Most important reason for enrollment in online courses | Research Question 9c |
| 12 | Who provides instruction for online courses | Research Question 8f, 9d |
| 13 | Number of online or virtual courses | Research Question 8e, 9a |
| 14 | Tuition and fees for online instruction | Research Question 9e |
| 15 | Hours spent in online courses | Research Question 8e |
| 16 | What is the homeschool teaching style | Research Question 8b, 8f |

| Question # | Item Stem for PFI | Research Question/Purpose |
|---|---|--|
| 17 | Child's participation in activities with other homeschool children | Research Question 8b, 8g |
| 18 | Online or virtual resources used for home instruction | Research Question 8b |
| 19 | Physical resources used for home instruction | Research Question 8b |
| 20 | Has a family member taken course in home instruction | Research Question 8b |
| 21 | Grades child was homeschooled | Research Question 8c |
| 22 | Reasons for homeschooling child | Research Question 8d |
| 23 | Most important reason for homeschooling child | Research Question 8d |
| 24 | Subject areas taught in home instruction | Research Question 8f |
| 25 | Does family participate in local homeschooling group | Research Question 8g |
| 26 | Number of times participating in local group | Research Question 8g |
| 27 | Does family belong to a national homeschooling group | Research Question 8g |
| 28 | Is child in a military family | Household demographics |
| 29 | Is homeschooled child also enrolled in a school | Research Question 8a |
| Section 3: Child's School (30-58) | | |
| 30 | Type of school in which child is enrolled for most hours | Navigational router, verification question |
| 31 | Is this the child's district-assigned school | Research Question 1a |
| 32 | Is school a charter school | Research Question 1a |
| 33 | Is school a magnet school or child in a magnet program | Research Question 1a |
| 34 | Did family move so that this child could attend his/her current school | Research Question 1a, 1d |
| 35 | Felt had choice in school child attends | Research Question 1b, 1d |
| 36 | Does school district allow family to choose school | Research Question 1a |
| 37 | Consider other schools for this child | Research Question 1a, 1d |
| 38 | Importance of different reasons in choosing school | Research Question 1a, 1b |
| 39 | How found child's school | Research Question 1a, 1b |
| 40 | Is school this child attends your first choice | Research Question 1a, 1d |
| 41 | Has child been in the same school since the beginning of this school year | Verification question |
| 42 | How many hours child attends school each week | Verification question |
| 43 | Is child enrolled in any online or virtual courses | Research Question 9b |
| 44 | Reasons for enrollment in online courses | Research Question 9c |
| 45 | Most important reason for enrollment in online courses | Research Question 9c |
| 46 | Who provides instruction for online courses | Research Question 9d |
| 47 | Number of online or virtual courses | Research Question 9b |
| 48 | Tuition and fees for online instruction | Research Question 9e |
| 49 | Hours spent in online courses | Research Question 9b |
| 50 | Child enjoys school | Research Question 1e |
| 51 | Grades the child gets | Research Question 1e |
| 52 | Child currently enrolled in advanced placement classes | Research Question 1e |
| 53 | Number of times this child's school contacted your household | Research Question 2b |
| 54 | Number of days child has been absent | Research Question 1e |
| 55 | Has child repeated any grades | Research Question 1e |
| 56 | Grade or child repeated | Research Question 1e |
| 57 | School suspensions or expulsion | Research Question 1e |
| 58 | How to describe child's work at school | Research Question 1e |
| 59 | Type of school | Verification question |
| Section 4: Families and School (59-64) | | |
| 60 | Type of activities adult in the household has done at this child's school | Research Question 1c, 3a, 3d, 3e |
| 61 | Number of school activities household has participated in | Research Question 1c, 3a, 3d, 3e |

| Question # | Item Stem for PFI | Research Question/Purpose |
|--|---|---|
| 62 | Communication received from school | Research Question 2a, 2b, 2c, 2d |
| 63 | How well has this child's school done the following things | Research Question 2a, 2b, 2c, 2d |
| 64 | Overall satisfaction/dissatisfaction | Research Question 2a, 2b, 2c, 2d |
| Section 5: Homework (65-71) | | |
| 65 | How often does child do homework | Research Question 5 |
| 66 | Hours spent on homework | Research Question 5 |
| 67 | Feelings towards the amount of homework (respondent) | Research Question 5 |
| 68 | Feelings towards the amount of homework (child) | Research Question 5 |
| 69 | Place set aside in home for child to complete homework | Research Question 5c |
| 70 | Adult in household checks homework | Research Question 5b, 5d |
| 71 | Number of days, per week, an adult in household helps child with homework | Research Question 5b, 5d |
| Section 6: Family Activities (72-74) | | |
| 72 | In the past week, has anyone in your family done the following things with this child... (home activities) | Research Question 6a |
| 73 | Number of days family has eaten the evening meal together in the past week | Research Question 6a |
| 74 | In the past month, has anyone in your family done the following things with this child... (cultural activities) | Research Question 6a |
| Section 7: Child's Health (75-81) | | |
| 75 | Describe child's health generally | Research Question 7a |
| 76 | Child's diagnosed conditions | Research Question 7a, 7b, 7c |
| 77 | Did you mark yes to any condition | Research Question 7a, 7b, 7c |
| 78 | Child receiving services through IEP or service plan | Research Question 7d, 7e |
| 79 | Overall satisfaction/dissatisfaction with child's IEP | Research Question 7g |
| 80 | Child currently enrolled in special education classes | Research Question 7d |
| 81 | Child's conditions affect his/her ability to do the following things... | Research Question 7c |
| Section 8: Child's Background (82-91) | | |
| 82 | In what month and year was this child born? | Demographic/ background characteristics |
| 83 | Where was this child born | Research Question 1f |
| 84 | Age when first moved to the US/ District of Columbia | Research Question 1f |
| 85 | Is this child of Hispanic, Latino, or Spanish origin | Research Question 1f |
| 86 | Child's race | Research Question 1f |
| 87 | Child's sex | Research Question 1f |
| 88 | Child's address joint custody | Research Question 1f |
| 89 | Address where child spends most time | Verification question |
| 90 | Language child speaks at home | Research Question 1f |
| 91 | Child currently enrolled in English as a second language, bilingual education, or an English immersion program | Research question 1f |
| Section 9: Household Members (92-95) | | |
| 92 | Including child, how many people live in household | Household Demographics |
| 93 | Who lives in household with this child | Household Demographics |
| 94 | How is respondent related to this child | Household Demographics |
| 95 | Language spoken by adults in household | Household Demographics |
| Section 10: Child's Family (96-136) | | |
| Parent 1 | Parent/Guardian section | |
| 96 | Parent or guardian relationship to child | Research Question 1d |
| 97 | Is this person male or female | Research Question 1d |
| 98 | Marital status of this parent or guardian | Research Question 1d |
| 99 | Is parent or guardian living with partner in household | Household Demographics |
| 100 | First language parent or guardian learned to speak | Research Question 1d |

| Question # | Item Stem for PFI | Research Question/Purpose |
|---|---|---|
| 101 | What language does parent or guardian speak most at home now | Research Question 1d |
| 102 | How difficult for parent to be involved at school because of language barriers | Research Question 1d, 4a |
| 103 | Does school have interpreters for parent | Research Question 1d, 4a |
| 104 | Does school have translated materials | Research Question 1d, 4a |
| 105 | Where was this parent or guardian born | Research Question 1d |
| 106 | How old was parent or guardian when he or she first moved to the US or District of Columbia | Research Question 1d |
| 107 | Is parent or guardian of Spanish, Hispanic, or Latino origin? | Research Question 1d |
| 108 | What is parent or guardian's race | Research Question 1d |
| 109 | Parent/guardian highest level of education completed | Research Question 1d |
| 110 | Is parent or guardian currently attending or enrolled in a school/job training | Demographic/ background characteristics |
| 111 | Parent or guardian employment status | Research Question 1d |
| 112 | Number of hours parent or guardian works per week | Research Question 1d |
| 113 | Looking for work in the past 4 weeks | Research Question 1d |
| 114 | Months parent or guardian worked for pay or income in the past 12 months | Research Question 1d |
| 115 | Age of parent or guardian | Research Question 1d |
| Parent 2 | Parent/Guardian section | |
| 116 | Is there a second parent or guardian in household | Household Demographics |
| 117 | Parent or guardian relationship to child | Research Question 1d |
| 118 | Is this person male or female | Research Question 1d |
| 119 | Marital status of this parent or guardian | Research Question 1d |
| 120 | Is parent or guardian living with partner in household | Household Demographics |
| 121 | First language parent or guardian learned to speak | Research Question 1d |
| 122 | What language does parent or guardian speak most at home now | Research Question 1d |
| 123 | How difficult for parent to be involved at school because of language barriers | Research Question 1d, 4a |
| 124 | Does school have interpreters for parent | Research Question 1d, 4a |
| 125 | Does school have translated materials | Research Question 1d, 4a |
| 126 | Where was this parent or guardian born | Research Question 1d |
| 127 | How old was parent or guardian when he or she first moved to the US or District of Columbia | Research Question 1d |
| 128 | Is parent or guardian of Spanish, Hispanic, or Latino origin? | Research Question 1d |
| 129 | What is parent or guardian's race | Research Question 1d |
| 130 | Parent/guardian highest level of education completed | Research Question 1d |
| 131 | Is parent or guardian currently attending or enrolled in a school/job training | Demographic/ background characteristics |
| 132 | Parent or guardian employment status | Research Question 1d |
| 133 | Number of hours parent or guardian works per week | Research Question 1d |
| 134 | Looking for work in the past 4 weeks | Research Question 1d |
| 135 | Months parent or guardian worked for pay or income in the past 12 months | Research Question 1d |
| 136 | Age of parent or guardian | Research Question 1d |
| Section 11: Your Household (137-144) | | |
| 137 | Benefits received in the past 12 months | Household Demographics |
| 138 | Total household income | Household Demographics |
| 139 | Home ownership | Household Demographics |
| 140 | Internet access on cell phone | Household Demographics |
| 141 | Internet access at home | Household Demographics |

| Question # | Item Stem for PFI | Research Question/Purpose |
|--|--|---------------------------|
| 142 | How frequently child uses Internet for learning activities | Household Demographics |
| 143 | Type of device used | Household Demographics |
| 144 | How far do you expect child to go in education | Research Question 1e |
| Section 12: School Identification (145-146) | | |
| 145 | Identify child's school | Household Demographics |
| 146 | School Information | Household Demographics |

The PFI survey was restructured for NHES:2019. In 2012 and 2016, there were two separate PFI topical instruments. The PFI-Enrolled questionnaire was sent to households where sampled children were indicated as enrolled in school on the screener instrument. The PFI-Homeschool questionnaire was sent to households where sampled children were indicated as homeschooled on the screener instrument. This structure resulted in some challenges:

1. Parents of students in part-time homeschool should have indicated on the screener that the child is homeschooled. However, this may not have been clear to respondents. It is unclear how parents of part-time homeschooled students answered the screener enrollment item and whether or not they received the appropriate topical instrument.
2. The term “homeschool” continues to be misinterpreted by some parents as meaning “help with homework.” When respondents misinterpreted the “homeschool” term in 2012 and 2016, the respondent received the PFI-Homeschool questionnaire, which means that we did not collect data about the physical schooling experiences of those students.
3. From focus group work, we have learned that some virtual school students’ parents consider themselves to be “homeschooling” their children and some do not consider themselves homeschoolers, meaning that the enrollment question on the NHES screener would not result in the same information being collected of all virtual school students’ parents.

To address these challenges, the NHES:2019 PFI instrument is structured around the philosophy that students are schooled in multiple environments, and there is only one PFI for all K-12 and K-12 equivalent students. The survey also adds content to measure the prevalence of student enrollment in part-time and full-time virtual schools.

NHES:2019 PFI Additions

Several items were added to NHES:2019. In the Child’s Schooling section, the item below was added to verify eligibility for parents who may have left the school type item blank or marked only that their child is in community college. These items will be tested in web usability testing. They are not included on the paper instruments.

Is [this CHILD] enrolled in any of grades kindergarten through 12?

1= Yes

2= No

In what type of school is [this child] enrolled?

- a. A public school located in a physical building, including charter school, (1= Yes, 2= No)
- b. A private Catholic school located in a physical building, (1= Yes, 2= No)
- c. A private, religious but NOT Catholic school located in a physical building (1= Yes, 2= No)
- d. A private, not religious school located in a physical building (1= Yes, 2= No)
- e. Full-time online, virtual, or cyber school for grades kindergarten through 12 (1= Yes, 2= No)
- f. Student is homeschooled (1= Yes, 2= No)

In the “Child’s Homeschooling” section, several items were added to measure the use of online instruction and virtual schooling among parents who consider themselves to be homeschooling the sampled child. These items were all developed specifically for the NHES and tested during cognitive interviews. Those marked

with a footnote are also added to the “Child’s School” section verbatim. The Child’s School section collects data about a sampled student’s physical school or virtual school. Additions include:

Is [this child] enrolled in any online, virtual, or cyber courses?²

1= Yes, all the child’s courses are online, virtual, or cyber

2= Yes, about half or more than half of the child’s courses are online, virtual, or cyber

3= Yes, less than half of the child’s courses are online, virtual, or cyber

4= No, none of this child’s courses are online, virtual, or cyber

There are many different reasons that homeschooling parents may choose online, virtual, or cyber courses for their children. Is [this child] enrolled in online, virtual, or cyber courses because...

Please select one response for EACH item below.

- a. [This child] needed advanced course(s) (e.g. Advanced Placement or college courses) (1=Yes, 2=No)
- b. [This child] needed a specialized course(s) (e.g. foreign language) (1=Yes, 2=No)
- c. [This child] needed extra help in a course or subject (1=Yes, 2=No)
- d. [This child]’s learning style is well suited for online, virtual, or cyber learning (1=Yes, 2=No)
- e. You prefer online, virtual, or cyber learning for [this child] (1=Yes, 2=No)
- f. We began homeschooling so that we could enroll [this child] in online, virtual, or cyber school (1=Yes, 2=No)
- g. Other (1=Yes, 2=No)
- Specify

Of the reasons that [this child] is enrolled in online, virtual, or cyber courses, which one would you say is the most important to you?

[The only responses below that will be shown to the web survey respondent are the ones for which she chose “yes” in the previous item. These may include any or all of the following:]

- [This child] needed advanced course(s) (e.g. Advanced Placement or college courses)
- [This child] needed a specialized course(s) (e.g. foreign language)
- [This child] needed extra help in a course or subject
- [This child]’s learning style is well suited for online, virtual, or cyber learning
- You prefer online, virtual, or cyber learning for [this child]
- We began homeschooling so that we could enroll [this child] in online, virtual, or cyber school
- Other – Specify

Do the following types of schools or teachers provide the instruction for [this child]’s online, virtual, or cyber courses?³

Please select one response for EACH item below.

- a. [This child]’s public school or school district (1= Yes, 2=No)
- b. [This child]’s private school (1= Yes, 2=No)
- c. A college, community college, or university (1= Yes, 2=No)
- d. An online academy or virtual school or cyber school (1= Yes, 2=No)
- e. A company that provides courses that I can purchase or access for [this child] (1= Yes, 2=No)
- f. Another K-12 public or private school (1= Yes, 2=No)
- g. An independent instructor not affiliated with a school (1= Yes, 2=No)
- h. Someplace else –Specify: (1= Yes, 2=No)

How many online, virtual, or cyber courses does [this child] take?⁴

[open-ended]

² This wording is used to asked of homeschooling parents and parents of enrolled students separately.

³ This wording is used to asked of homeschooling parents and parents of enrolled students separately.

⁴ This wording is used to asked of homeschooling parents and parents of enrolled students separately.

What is the total amount of tuition and fees for all online, virtual, or cyber courses that [this child] takes?⁵

Enter '0' if not applicable

\$ _____.

In a typical school week, about how many hours does [this child] spend on online, virtual, or cyber courses?⁶

1=Fewer than 10 hours

2=10-24 hours

3=More than 24 hours

One final question was added to the Child's Homeschooling section to capture the prevalence of military families who are homeschooling.

Is [this child] in a military family that frequently relocates?

1=Yes

2=No

To properly navigate survey respondents, an additional question is added to the survey at the conclusion of the homeschooling section. If a homeschooling parent feels that the child's experiences have been fully captured by the questions in the first section, the parent can choose "no" in this item and be skipped to the Family Activities section. If a homeschooling parent thinks of the child's enrollment in a physical or virtual school as a large component of schooling, the parent can choose "yes" in this item and then answer questions about the child's school.

Is this homeschooled child also enrolled in a school?

1=Yes

2=No

In the "Child's School" section, an expanded school choice section is added for NHES:2019. These items were developed using a literature review to identify relevant constructs, then discussed with the technical review panel, and finally tested in cognitive testing.

Is this school a magnet school or does [he/she/he or she] attend a magnet program?

1=Yes

2= No

Did you feel that you had a choice in what school [this child] attends?

1=Yes

2= No

How important was each of the following reasons when you chose the school where [this child] is enrolled for most credits?

Please select one response for EACH item below.

- Convenient location (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- Safety (including student discipline) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- Quality of teachers, principal, or other school staff (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- Curriculum focus or unique academic programs (e.g., language immersion, STEM focus) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- Extracurricular options (including before- and after-school programs) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)

⁵ This wording is used to asked of homeschooling parents and parents of enrolled students separately.

⁶ This wording is used to asked of homeschooling parents and parents of enrolled students separately.

- f. Student body characteristics (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- g. Academic performance of students (such as test scores, dropout rates, and so on) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- h. The religious orientation of the school (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- i. Quality or availability of special education (including services for students with disabilities) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- j. Special facilities (e.g., gymnasium, planetarium, library) (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important)
- k. Number of students in class (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important),
- l. Cost (1=Not at all important, 2=Somewhat important, 3=Important, 4=Very important),

How did you find out about [this child]’s school?

Select all that apply.

1=It is in my neighborhood, (1=Yes, 2=Not Marked)

2=Friend (1=Yes, 2=Not Marked)

3=Family member (1=Yes, 2=Not Marked)

4=Newspaper or magazine articles (1=Yes, 2=Not Marked)

5=State report cards (1=Yes, 2=Not Marked)

6=A school ratings website (1=Yes, 2=Not Marked)

7=Advertisements (television, radio, online, other) (1=Yes, 2=Not Marked)

8=Flier (1=Yes, 2=Not Marked)

9=School or district staff (for example, teacher, administrator, school counselor) (1=Yes, 2=Not Marked)

10=Church (1=Yes, 2=Not Marked)

11=Other-Specify (1=Yes, 2=Not Marked)

The “Child’s School” section also includes the new items about online course-taking, as footnoted in the earlier paragraphs of this section where the homeschooling additions appear. The item measuring reasons for choosing online, virtual, or cyber courses has different response options in the Child’s School section than it does in the Child’s Homeschooling section, so it is shown below. These items were developed for NHES and tested in cognitive testing:

There are many different reasons that children are enrolled in online, virtual, or cyber courses. Is [this] child enrolled in online, virtual, or cyber courses because...

Please select one response for EACH item below.

- a. [This child] needed a course(s) that is more advanced (e.g., Advanced Placement or college courses) than the ones offered at [his, her, his or her] school? (1= Yes, 2= No)
- b. [This child] needed a specialized course(s) (e.g., foreign language) that was not offered at [his, her, his or her] school? (1= Yes, 2= No)
- c. [This child] needed to make up a course that [he/she or he or she] failed (e.g., course recovery or credit recovery)? (1= Yes, 2= No)
- d. [This child] needed to earn additional credits? (1= Yes, 2= No),
- e. [This child] needed extra help in a course or subject offered at [his, her, his or her] physical school?, 1= Yes, 2= No)
- f. [This child] had a schedule conflict with the in-person courses?, (1= Yes, 2= No),
- g. [This child] has a physical or mental health problem that has lasted six months or more? (1= Yes, 2= No),
- h. [This child] has a temporary illness that prevents [him, her, him or her] from going to school? (1= Yes, 2= No)

- i. [This child] has other special needs that you feel the school can't or won't meet? (1= Yes, 2= No),
- j. [This child]'s learning style is well suited for online/virtual/cyber learning? (1= Yes, 2= No),
- k. [This child] did not have a choice because online/virtual/cyber learning is required? (1= Yes, 2= No),
- l. The school placed [this child] in an online course because there was no in-person teacher for the course?, (1= Yes, 2= No)
- m. You prefer online, virtual, or cyber courses for [this child]? (1= Yes, 2= No)
- n. Other Specify: (1= Yes, 2= No)

Of the reasons that [this child] is enrolled in online, virtual, or cyber courses, which one would you say is the most important to you?

[The only responses below that will be shown to the web survey respondent are the ones for which she chose "yes" in the previous item. These may include any or all of the following:]

- [This child] needed a course(s) that is more advanced (e.g., Advanced Placement or college courses) than the ones offered at [his/her/his or her] school?
- [This child] needed a specialized course(s) (e.g., foreign language) that was not offered at [his, her, his or her] school?
- [This child] needed to make up a course that [she/her/she or he] failed (e.g., course recovery or credit recovery)
- [This child] needed to earn additional credits?
- [This child] needed extra help in a course or subject offered at [his, her, his or her] physical school?
- [This child] had a schedule conflict with the in-person courses?
- [This child] has a physical or mental health problem that has lasted six months or more?
- [This child] has a temporary illness that prevents [him/her/him or her] from going to school?
- [This child] has other special needs that you feel the school can't or won't meet?
- [This child]'s learning style is well suited for online/virtual/cyber learning?
- [This child] did not have a choice because online/virtual/cyber learning is required?
- The school placed [this child] in an online course because there was no in-person teacher for the course?
- You prefer online, virtual, or cyber courses for [this child]?
- Other - Specify:
- If blank then "Another reason – not specified"

NHES:2019 PFI Deletions

To make room for the new items in the Child's Homeschooling section, some items were deleted. A set of items at the beginning of the PFI-Homeschool survey were deleted because the revised school type question shown in Exhibit 4 provides the same information:

Does this child attend a public or private school or a college or university for instruction?

- € No
- € Yes

What type of school(s) does this child attend?

Mark all that apply.

- € Public school (K - 12)
- € Private school (K - 12)
- € College, community college, or university

The revised grade/grade equivalent item in the NHES:2019 (shown in Exhibit 4) now collects homeschoolers' grade equivalent, so the item below has been deleted:

What grade or year would this child be in if he/she was attending school?

Mark ONE only.

Kindergarten

Grade (1 through 12)

An additional question from the NHES:2016 PFI-Homeschool questionnaire was deleted because the technical review panel recommended its deletion. Also, cognitive interview respondents indicated that this information was difficult to track and report, and thus unreliable.

These next questions ask you to estimate the amount of time you homeschool this child.

a. How many days each week is this child homeschooled? days each week

b. About how many total hours each week is he/she homeschooled? hours per week

The following set of items about online course-taking was removed (a new set of items about online course-taking was developed for parents of enrolled students for NHES:2019, along with complementary items for parents of homeschooled students – shown under additions earlier in this document).

(Homeschool version):

Some homeschooled children take courses over the Internet taught by people outside the household. Is this child receiving any instruction this way?

No

Yes

(Enrolled version):

Is this child taking any school-related courses online instead of in-person with the teacher?

Do not include courses that use the Internet only for selected assignments.

No

Yes

(Both homeschooled and enrolled):

Is that instruction provided by any of the following places?

Mark all that apply.

Your local public school

Your state

A charter school

Another public school

A private school

A college, community college, or university

Someplace else — Specify:

(Both homeschooled and enrolled):

Is there a charge or fee for that instruction?

No

Yes

The following curriculum item was removed because of technical review panel recommendations to remove it and because findings from data analysis of this item were difficult to interpret without additional context.

Thinking about all years this child has been homeschooled, which of the following subject areas has this child been taught during his or her home instruction?

Mark all that apply.

Art

Music

Basic algebra (Algebra I)

Advanced algebra (Algebra II)

Geometry

Calculus

- € Probability
- € Scientific inquiry or experiments
- € Earth sciences or geology
- € Biology
- € Chemistry or physics
- € Geography
- € English or literature
- € Computer science (e.g., computer programming)
- € Social science, history, social studies
- € Foreign language
- € Arithmetic
- € Basic reading/ reading skills
- € Spelling
- € Physical education or gym
- € Health

In the “Child’s School” section, the following item was deleted because it became a component of a larger school choice question listed above in the NHES:2019 PFI Additions section.

In deciding between schools, did you seek information on the performance of the schools you were considering, like test scores, dropout rates, and so on?

- € No
- € Yes

Another item in the “Child’s School” section was deleted because the technical review panel recommended that it was no longer needed.

In which month did this child start at his/her current school this school year?
month (1 through 12)

NHES:2019 PFI Revisions

Throughout testing, some revisions were identified for NHES:2019 from the NHES:2016 items. These revisions are listed in detail in Exhibit 5 below. Changes between 2016 paper item wording and 2019 web survey item wording are highlighted in yellow.

Exhibit 5. PFI Revisions for NHES:2019

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|-----------------------|--------------------|-------------------|---------|--------|
| Child’s Schooling | | | | |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|--|------------|-------------|
| <p>What is this child’s current grade or year of school? <i>If this child is not assigned a specific grade, mark or write the grade he/she would be in at a school with regular grades.</i></p> <p>€ Child has not yet started kindergarten ->Please STOP now and call1-888-840-8353 so we can verify that you received the correct survey.</p> <p>€ Full-day kindergarten</p> <p>€ Partial-day kindergarten</p> <p>— ____grade (1 through 12)</p> | <p>Is [this child] in full-day or partial-day kindergarten? 1= Full-day kindergarten 2= Partial-day kindergarten</p> <p>What is [this child]’s current grade, grade equivalent, or year of school? If [this child] is not assigned a specific grade or is homeschooled, mark the grade level of the curriculum that the child receives.</p> <p>1=Child has not yet started kindergarten 2= Full-day kindergarten 3= Partial-day kindergarten 4 = 1st grade 5 = 2nd grade 6 = 3rd grade 7 = 4th grade 8 = 5th grade 9 = 6th grade 10 = 7th grade 11 = 8th grade 12 = 9th grade 13 = 10th grade 14 = 11th grade 15 = 12th grade</p> | <p>The web survey allows us to separate the full-day or partial-day kindergarten question (for those students who are marked as being in kindergarten on the screener) from the grade question. Additionally, the grade question was revised to be inclusive of homeschool students.</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|--|---|--|------------|-------------|
| <p>What type of school does this child attend?</p> <ul style="list-style-type: none"> € Private, Catholic € Private, religious but not Catholic € Private, not religious € Public school | <p>This question will help us make sure you are receiving questions that are appropriate for [this child].</p> <p>Students today take part in many different types of schools and education settings. What type of school does [this child] attend?</p> <p>Please select one response for EACH item below. (Y/N)</p> <ul style="list-style-type: none"> a. A public school located in a physical building, including charter school b. A private Catholic school located in a physical building c. A private, religious but NOT Catholic school located in a physical building d. A private, not religious school located in a physical building e. Full-time online, virtual, or cyber school for grades kindergarten through 12 f. College, community college, or university that is online, virtual, or cyber g. College, community college, or university located in a physical building h. Student is homeschooled, including co-ops | <p>The school type item was expanded to allow respondents to indicate the full array of schools in which a student may be enrolled, including homeschool and virtual school. In the web survey, this item drives all navigation throughout the survey so that we can collect data on homeschooling and on the physical or virtual school in which a child is enrolled for the most credits, if applicable.</p> | <p>Yes</p> | <p>NHES</p> |
| Child's Homeschooling | | | | |
| <p>Some parents decide to educate their children at home rather than send them to a public or private school. Is this child being schooled at home <u>instead</u> of at school for at least <u>some</u> classes or subjects?</p> <ul style="list-style-type: none"> € No € Yes | <p>Some parents decide to educate their children at home rather than send them to a public or private school <u>located in a physical building</u>.</p> <p>Is [this child] being schooled at home <u>INSTEAD</u> of at school for at least <u>SOME</u> classes or subjects?</p> <p>1 = Yes 2 = No</p> | <p>This item was revised because many homeschooling parents interpret the word “school” to be a phenomenon that exists outside of a physical building. Given that the homeschooled child may be enrolled in online courses, this question tries to verify homeschooling status by clarifying that we are looking for students who are in “school” not in a physical building.</p> | <p>Yes</p> | <p>NHES</p> |
| <p>Which of the following statements best describes your homeschooling arrangement for this child?</p> <ul style="list-style-type: none"> € This child is homeschooled for <u>all</u> classes or subject areas. € This child is homeschooled for <u>some</u> classes or subject areas | <p>Which of the following statements best describes your homeschooling arrangement for [this child]?</p> <p>1=[This child] is homeschooled for ALL classes or subject areas, <u>which may include co-ops, virtual/cyber/online courses, and home instruction provided by a private tutor or teacher</u></p> | <p>Response options were clarified for homeschooling families in which the sampled student engages in a range of activities outside of the home.</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|--|------------|-------------|
| <p>and also attends a public or private school.</p> <p>€ This child is <u>not</u> homeschooled. This child attends a public or private school for all classes or subject areas.</p> | <p>2=[This child] is homeschooled for SOME classes or subject areas and is also enrolled in a public or private school</p> <p>3=[This child] is NOT homeschooled. [He/She/He or She] is enrolled in a public or private school for all classes or subject areas</p> | | | |
| <p>Who is the person that mainly provides this child’s home instruction?</p> <p>€ Mother</p> <p>€ Father</p> <p>€ Grandparent</p> <p>€ Brother/sister</p> <p>€ Another person - Who is that?</p> | <p>Who is the person that MAINLY provides [this child]’s HOME instruction?</p> <p>1= Mother</p> <p>2= Father</p> <p>3= Grandparent</p> <p>4= Brother/sister</p> <p>5 = Teacher of online, virtual, or cyber school</p> <p>6 = Another person -Who is that?</p> | <p>Added a response option for homeschooling students who are predominately virtual schooled.</p> | <p>Yes</p> | <p>NHES</p> |
| <p>Since September, has this child participated in activities with other children who are homeschooled?</p> <p>€ No</p> <p>€ Yes</p> | <p>Since September, has [this child] participated in activities with other children outside your family who are homeschooled?</p> <p>1= Yes</p> <p>2=No</p> | <p>Cognitive testing revealed that some homeschooling parents were choosing “yes” to this item because of activities that the sampled child was participating in with siblings in the home.</p> | <p>Yes</p> | <p>NHES</p> |
| <p>Thinking about sources of curriculum or books you use to homeschool this child, please tell us about all the sources that apply to you. Since September, have you used materials from...</p> <p><i>Mark X ONE box for each item below.</i></p> <p>Y/N</p> <p>a. A public library?</p> <p>b. A homeschooling catalog, publisher, or individual who specializes in homeschooling materials?</p> <p>c. Another educational publisher?</p> <p>d. A homeschooling organization?</p> <p>e. A church, synagogue, or other religious organization?</p> <p>f. Your local public school or school district?</p> <p>g. A private school?</p> <p>h. A bookstore or other store (including online)?</p> <p>i. Websites, excluding retailers?</p> <p>j. Other source — Specify:</p> | <p>In this question, we are interested in the ONLINE, VIRTUAL, OR CYBER RESOURCES that are used in your home when a parent is providing instruction (for example, streaming instructional videos, downloaded course materials)?</p> <p>Since September, have you used materials from...</p> <p>Please select one response for EACH item below.</p> <p>a. A public library (1= Yes, 2=No),</p> <p>b. A catalog, publisher, store, private school, or individual that specializes in providing educational materials to homeschooling families? (1= Yes, 2=No),</p> <p>Is the catalog, publisher, private school, or individual affiliated with a particular religion or religious organization? (1= Yes, 2=No)</p> <p>c. Your local public school or school district (1= Yes, 2=No)</p> <p>d. Free websites (such as YouTube or Wikipedia)? ((1= Yes, 2=No)</p> <p>e. Organized online, virtual, or</p> | <p>The Technical Review Panel recommended addition of some response options for this item. Cognitive testing also revealed that question conflated mode of delivery of the curriculum source with the actual source (for example, a parent may stream an online book from the library). Therefore, the item was separated into two items: one about online resources and one about physical resources.</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|---|--|------------|-------------|
| | <p>cyber educational resources (such as Khan Academy or edX)? (1= Yes, 2=No) f. Other source –Specify: (1= Yes, 2=No)</p> <p>In this question, we are interested in the physical resources that you use. Where do you get the PHYSICAL curriculum and materials you use to homeschool [this child] (for example, worksheets, textbooks, fiction/nonfiction books, DVDs, or videos)? Since September, have you used materials from...</p> <p>Please select one response for EACH item below.</p> <p>a. A public library? (1= Yes, 2=No), b. A catalog, publisher, store, private school, or individual that specializes in providing educational materials to homeschooling families?, (1= Yes, 2=No), Is the catalog, publisher, private school, or individual affiliated with a particular religion or religious organization? (1= Yes, 2=No), c. Your local public school or school district? (1= Yes, 2=No), d. A homeschooling convention? (1= Yes, 2=No), e. A used curriculum swap or exchange event? (1= Yes, 2=No), f. Other homeschool families? ((1= Yes, 2=No), g. Other source –Specify: (1= Yes, 2=No)</p> | | | |
| <p>There are many different reasons that parents choose to homeschool their children. Did your family choose to homeschool this child because: <i>Mark X ONE box for each item below.</i> Y/N a. You are concerned about the school environment, such as safety, drugs, or negative peer pressure? b. You are dissatisfied with the academic instruction at other schools? c. You prefer to teach this child at home so that you can provide religious instruction?</p> | <p>There are many different reasons that parents choose to homeschool their children. Did your family choose to homeschool [this child] because: Please select one response for EACH item below.</p> <p>a. You are concerned about the school environment, such as safety, drugs, or negative peer pressure? (1= Yes, 2= No) b. You are dissatisfied with the academic instruction at other schools? (1= Yes, 2= No) c. You prefer to teach [this child] at home so that you can provide religious instruction? (1= Yes, 2= No),</p> | <p>A number of response additions to this item were tested because of recommendations from the technical review panel. The “family life” response was the one that resonated with cognitive interview respondents.</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|---|---|------------|-------------|
| <p>d.You prefer to teach this child at home so that you can provide moral instruction? e.This child has a physical or mental health problem that has lasted six months or more? f.This child has a temporary illness that prevents him/her from going to school? g.This child has other special needs that you feel the school can't or won't meet? h.You are interested in a nontraditional approach to children's education? i.You have another reason for homeschooling your child? Specify:</p> | <p>d. You prefer to teach [this child] at home so that you can provide moral instruction? (1= Yes, 2= No) e. [This child] has a physical or mental health problem that has lasted six months or more?, (1= Yes, 2= No) f. [This child] has a temporary illness that prevents [him/her/him or her] from going to school? (1= Yes, 2= No) g. [This child] has other special needs that you feel the school can't or won't meet? (1= Yes, 2= No), h. You are interested in a nontraditional approach to children's education?, (1= Yes, 2= No), i. You want to emphasize family life together?, (1= Yes, 2= No), j. You have another reason for homeschooling your child? Specify:, (1= Yes, 2= No),</p> | | | |
| <p>Which of the following subject areas are being taught to this child now? Mark all that apply. <input type="checkbox"/> Art <input type="checkbox"/> Music <input type="checkbox"/> Basic algebra (Algebra I) <input type="checkbox"/> Advanced algebra (Algebra II) <input type="checkbox"/> Geometry <input type="checkbox"/> Calculus <input type="checkbox"/> Probability <input type="checkbox"/> Scientific inquiry or experiments <input type="checkbox"/> Earth sciences or geology <input type="checkbox"/> Biology <input type="checkbox"/> Chemistry or physics <input type="checkbox"/> Geography <input type="checkbox"/> English or literature <input type="checkbox"/> Computer science (e.g., computer programming) <input type="checkbox"/> Social science, history, social studies <input type="checkbox"/> Foreign language <input type="checkbox"/> Arithmetic <input type="checkbox"/> Basic reading/ reading skills <input type="checkbox"/> Spelling <input type="checkbox"/> Physical education or gym <input type="checkbox"/> Health</p> | <p>In the most recent week that [this child] was homeschooled, what subject areas were taught during [his/her/his or her] home instruction? We have provided spaces for you to tell us about up to 10 subject areas. You may have fewer subject areas to tell us about. Please enter only one subject area in each box.</p> | <p>The Technical Review Panel suggested that the unique aspects of homeschool curriculum are unmeasured by the 2016 item.</p> | <p>Yes</p> | <p>NHES</p> |
| Child's School | | | | |
| <p>How many hours each week does this child usually go to a school for instruction? Do not</p> | <p>About how many hours does [this child] attend a school each WEEK?</p> | <p>Item was revised to account for virtual school attendance. Categories were</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|--|---|---|---------|--------|
| <p>include time spent in extracurricular activities. --_ hours</p> | <p>1=0 hours. Child's school is not located in a physical building 2=1-10 hours 3=11-24 hours 4= More than 24 hours</p> | <p>used to make the item cognitively easier for respondents.</p> | | |
| <p>Is it his/her district-assigned school? <i>A district-assigned school is the school that your local public school district told you that this child can attend, based on the location of your residence</i> € No € Yes</p> | <p>Please answer the next questions about the school where [this child] is enrolled for most credits. Is it [his/her/his or her] district-assigned school? A district-assigned school is the school that your local public school district told you that [this child] can attend, based on the location of your residence.</p> | <p>This item is the first item for parents of all students who are enrolled in a physical school, including those parents whose child attends a school part-time. The added text orients the parent to which school should be the subject of the questions.</p> | Yes | NHES |
| <p>Since the beginning of this school year, how many days has [this child] been absent from school?</p> | <p>Since the beginning of this school year, how many days has [this child] been absent from school? 1= 0-5 days 2= 6-10 days 3= 11-20 days 4= More than 20 days</p> | <p>This item was changed to a categorical variable to reduce cognitive burden for respondents.</p> | Yes | NHES |
| Families and School | | | | |
| <p>Since the beginning of this school year, has any adult in this child's household done any of the following things at this child's school? <i>Mark ONE box for each item below.</i> <i>N/Y</i></p> <ol style="list-style-type: none"> Attended a school or class event, such as a play, dance, sports event, or science fair Served as a volunteer in [this child]'s classroom or elsewhere in the school Attended a general school meeting, for example, an open house, or a back-to-school night Attended a meeting of the parent-teacher organization or association, Gone to a regularly scheduled parent-teacher conference with [this child]'s teacher, Participated in fundraising for the school, Served on a school committee, Met with a guidance counselor in person | <p>The questions in this section are about the physical or online/virtual/cyber school where [this child] is enrolled for the most hours. Since the beginning of this school year, has any adult in [this child]'s household done any of the following things at this child's school? Please select one response for EACH item below.</p> <ol style="list-style-type: none"> Attended a school or class event, such as a play, dance, sports event, or science fair (1 = Yes, 2=No), Served as a volunteer in [this child]'s classroom or elsewhere in the school (1 = Yes, 2=No), Attended a general school meeting, for example, an open house, or a back-to-school night (1 = Yes, 2=No), Attended a meeting of the parent-teacher organization or association, (1 = Yes, 2=No), Gone to a regularly scheduled parent-teacher conference with [this child]'s teacher, (1 = Yes, 2=No), Participated in fundraising for the school, (1 = Yes, 2=No), Served on a school committee, (1 = Yes, 2=No), Met with a guidance counselor | <p>Introductory text added to clarify for the respondent which school to think about when answering questions.</p> | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|-----------------------|----------------------------|-------------------|---------|--------|
| | in person (1 = Yes, 2=No), | | | |

C.5 Additions, Deletions, and Revisions to Sections that are Common to the ECPP and PFI Surveys

The ECPP and PFI surveys share several sections in common. The sections called “Child’s Health,” “Child’s Background,” “Household Members,” “Child’s Family,” and “Your Household” all share content across ECPP and PFI. The sections below describe the additions, deletions, and revisions made to these survey sections that are shared by the two child surveys that will be fielded in NHES:2019.

NHES:2019 Additions to the Sections that are Common to the ECPP and PFI Surveys

Two items were added to the end of the surveys, in the “Your Household” section, in order to capture information about children’s use of technology in the home for learning. These items were adapted from the internet usage items in the NHES and underwent cognitive testing. The final item wording for these questions for NHES:2019 is:

How often does [this child] use the Internet AT HOME for learning activities?

- 1= Everyday
- 2 = A few times a week
- 3 = A few times a month
- 4 = A few times a year
- 5 = Never

Does this child access the Internet for learning activities on...

Please select one response for EACH item below.

- a. Computer?
- b. Tablet?
- c. Cell phone?

NHES:2019 Deletions to the Sections that are Common to the ECPP and PFI Surveys

Because of the additions in the ECPP and PFI surveys, deletions to the survey were necessary in order to keep the survey length manageable for respondents. Over time, the detailed data from the Child’s Health section of the NHES has been collected but not analyzed. Small sample size of NHES responses that are about students with IEPs prevents detailed subgroup analyses. The following items were deleted for NHES:2019. The item number from the 2016 ECPP, not the PFI, is provided.

ECPP80. Are these services provided by any of the following sources?

Mark **XONE** box for each item below

- a. Your local school district No, Yes
- b. A state or local health or social service agency No, Yes
- c. A doctor, clinic, or other health care provider No, Yes
- d. This child’s private school No, Yes

ECPP81. Are any of these services provided through an Individualized Family Service Plan (IFSP), Individualized Education Program (IEP) or services plan?

- € No
- € Yes

ECPP82. Did any adult in your household work with the service provider or school to develop or change this child’s IFSP, IEP or services plan?

- € No
- € Yes

ECPP 81. Since September, how satisfied or dissatisfied have you been with the following aspects of this child’s IFSP, IEP or services plan?

b. The child’s special needs teacher or therapist?

- € Very satisfied
- € Somewhat satisfied
- € Somewhat dissatisfied
- € Very dissatisfied
- € Does not apply

c. The service provider’s or school’s ability to accommodate this child’s special needs?

- € Very satisfied
- € Somewhat satisfied
- € Somewhat dissatisfied
- € Very dissatisfied
- € Does not apply

d. The service provider’s or school’s commitment to help this child learn?

- € Very satisfied
- € Somewhat satisfied
- € Somewhat dissatisfied
- € Very dissatisfied
- € Does not apply

The following item was deleted from the Child’s Family: Parent 1 and Parent 2 sections of the ECPP and PFI surveys. The item was dropped because it was not used for analyses, and reducing respondent burden as much as possible is a goal.

ECPP117 and ECPP 136. How old was this person when he or she first became a parent to any child?

- ____ Age
- € Don’t know

The following item was dropped from the very end of the ECPP and PFI questionnaires. This is an item that had been added to the 2016 survey in order to better understand the results of the web experiment and how familiarity with technology intersects with response by mode. However, those data are not needed for data users, so the item was dropped in favor of items about using technology at home for learning.

ECPP143. How often do you use the Internet?

- € Everyday
- € A few times a week
- € A few times a month
- € A few times a year
- € Never

NHES:2019 Revisions to the Sections that are Common to the ECPP and PFI Surveys

There were a number of revisions made to the “Child’s Health,” “Child’s Background,” “Household Members,” “Child’s Family,” and “Your Household” sections of the surveys. These are listed below in Exhibit 5.

Exhibit 5. Revisions for NHES:2019 to the Sections that are Common the ECPP and PFI Surveys

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|---|--|---------|--------------------|
| Child’s Health | | | | |
| Has a health, education, or early intervention professional told you that this child has any of the | Has a health professional told you that [this child] has any of the following conditions? | The technical review panel recommended that only health professional | Yes | National Survey of |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|---|---------|-------------------|
| <p>following conditions? <i>Mark X ONE box for each item below.</i></p> <ul style="list-style-type: none"> € An intellectual disability (mental retardation) € A speech or language impairment € A serious emotional disturbance € Deafness or another hearing impairment € Blindness or another visual impairment not corrected with glasses € An orthopedic impairment € Autism € Pervasive Developmental Disorder (PDD) € Attention Deficit Disorder, ADD or ADHD € A specific learning disability € A developmental delay € Traumatic brain injury € Another health impairment lasting 6 months or longer | <p>Please select one response for EACH item below.</p> <ul style="list-style-type: none"> a. An intellectual disability, formerly known as mental retardation, b. A speech or language impairment, c. A serious emotional disturbance, d. Deafness or another hearing impairment, e. Blindness or another visual impairment that can't be corrected with glasses, f. An orthopedic impairment, g. Autism, h. Pervasive Developmental Disorder (PDD), i. Attention Deficit Disorder, ADD or ADHD, j. A specific learning disability, k. A developmental delay, l. Traumatic brain injury, m. Another health impairment lasting 6 months or longer, | <p>diagnoses should be counted by parents in their responses to this item. Additionally, the change to “mental retardation” was made to reflect updated language that is also being used by the National Survey of Children’s Health. Cognitive testing suggested that the eyeglasses item should be clarified.</p> | | Children’s Health |
| <p>Is this child receiving services for his/her condition?</p> <ul style="list-style-type: none"> € No € Yes | <p>Is [this child] receiving services through an Individualized Family Service Plan (IFSP), Individualized Education Program (IEP), or services plan?</p> <p>1=Yes 2=No</p> | <p>This item was revised to become the filter for the questions that come after in this section.</p> | Yes | NHES |
| <p>Since September, how satisfied or dissatisfied have you been with the following aspects of this child’s IFSP, IEP or services plan?</p> <p>a. The service provider’s or school’s communication with your family?</p> <ul style="list-style-type: none"> € Very satisfied € Somewhat satisfied € Somewhat dissatisfied € Very dissatisfied € Does not apply <p>b. The child’s special needs teacher or therapist?</p> <ul style="list-style-type: none"> € Very satisfied € Somewhat satisfied € Somewhat dissatisfied € Very dissatisfied € Does not apply <p>c. The service provider’s or school’s ability to accommodate this child’s special needs?</p> <ul style="list-style-type: none"> € Very satisfied € Somewhat satisfied € Somewhat dissatisfied | <p>Thinking about [this child’s] IFSP, IEP or services plan, how satisfied are you with the service provider’s or school’s communication with your family?</p> <p>1=Very satisfied 2= Somewhat satisfied 3= Somewhat dissatisfied 4= Very dissatisfied 5= Does not apply</p> | <p>Subitems b-d have been dropped from this item, so it was rewritten to be a stand-alone question item</p> | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|--|------------|-------------|
| <p>€ Very dissatisfied € Does not apply</p> <p>d. The service provider’s or school’s commitment to help this child learn?</p> <p>€ Very satisfied € Somewhat satisfied € Somewhat dissatisfied € Very dissatisfied € Does not apply</p> | | | | |
| <p>Does this child’s condition interfere with his/her ability to do any of the following things?</p> <p>€ Learn € Participate in play with other children € Go on outings € Make friends</p> | <p>Does [this child]’s condition interfere with [his/her/his or her] ability to do any of the following things?</p> <p>Please select one response for EACH item below.</p> <p>a. Learn, b. Play with other children, c. Go on outings, d. Make friends,</p> | <p>Cognitive interviews suggested that this revision would improve respondent comprehension of the item</p> | <p>Yes</p> | <p>NHES</p> |
| Child’s Background | | | | |
| <p>How old was this child when he/she first moved to the 50 United States or the District of Columbia? [open-ended]</p> | <p>How old was [this child] when [he/she/he or she] first moved to the 50 United States or the District of Columbia? If younger than 1, select ‘0’.</p> | <p>Cognitive testing suggested that respondents were not sure what to write when they moved to the U.S. before age 1, so clarification was added.</p> | <p>Yes</p> | <p>NHES</p> |
| <p>Is this child of Hispanic, Latino, or Spanish origin?</p> <p>€ No € Yes</p> | <p>Is [this child] of Hispanic, Latino, or Spanish origin? 1 = No, not of Hispanic, Latino, or Spanish origin 2 = Yes, Mexican, Mexican American, Chicano 3 = Yes, Puerto Rican 4 = Yes, Cuban 5 = Yes, another Hispanic, Latino or Spanish origin; or more than one Hispanic, Latino or Spanish origin</p> | <p>Hispanic/Latino ethnic origin response categories were expanded to provide richer data about differences in experiences among Hispanic/Latino children.</p> | <p>Yes</p> | <p>NHES</p> |
| <p>What language does this child speak most at home? <i>Mark X ONE only.</i></p> <p>€ Child has not started to speak € English € Spanish € A language other than English or Spanish € English and Spanish equally € English and another language equally</p> | <p>What language does [this child] speak most AT HOME? 1= [This child] has not started to speak 2= English 3= Spanish 4= English and Spanish equally 5= A language other than English or Spanish 6= English and another language equally</p> | <p>Cognitive testers suggested that the order of response options in this item should be changed so that the families who speak English and Spanish equally can find that response option quicker.</p> | <p>Yes</p> | <p>NHES</p> |
| Household Members | | | | |
| <p>Including children, how many people live in THIS HOUSEHOLD? <i>Include adults and children who are temporarily away from home (for example, living in college</i></p> | <p>Including children, how many people live in THIS HOUSEHOLD? [open-ended]</p> | <p>2016 language for this item was designed to match the number of people listed on the screener, so it mimicked the item wording on the screener. However, without</p> | <p>Yes</p> | <p>NHES</p> |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|---|---------|--------|
| <p>housing) if they have no other permanent home. [open-ended]</p> | | <p>enumerating adults at the screener stage in 2019, the topical item should be a different count from the screener item and does not need to mimic screener language.</p> | | |
| <p>How many of the following people live in this household with this child? <i>Do not include this child in your answer.</i> Example: a. Brother(s)..... 2 Enter '0' if none. [This child]'s... a. Brother(s), b. Sister(s) c. Mother (birth, adoptive, step, or foster) d. Father (birth, adoptive, step, or foster) e. Aunt(s) f. Uncle(s) g. Grandmother(s) h. Grandfather(s) i. Cousin(s) j. Parent's girlfriend/boyfriend/partner k. Other relative(s) l. Other non-relative(s)</p> | <p>We are interested in learning about how the people in your household are related to this child. How many of the following people live in this household with [this child]? Example: b. Brother(s)..... 2 Enter '0' if none. [This child]'s... m. Brother(s), n. Sister(s) o. Mother (birth, adoptive, step, or foster) p. Father (birth, adoptive, step, or foster) q. Aunt(s) r. Uncle(s) s. Grandmother(s) t. Grandfather(s) u. Cousin(s) v. Parent's girlfriend/boyfriend/partner w. Other relative(s) x. Other non-relative(s)</p> | <p>2016 language depended on the previous question to prime respondents to answer the “How many...” question. For 2019, we tested a question preface, and found that it was clearer to respondents.</p> | Yes | NHES |
| <p>Which language(s) are spoken at home by the adults in this household? Mark all that apply. € English, € Spanish or Spanish Creole, € French (including Patois, Creole, Cajun), € Chinese, € Other languages – Specify:;</p> | <p>Which language(s) are spoken at home by the adults in this household? Select all that apply. a. English, b. Spanish, c. French (including Patois, Creole, Cajun), d. Chinese, e. Other languages – Specify:;</p> | <p>Cognitive interviewers suggested that Spanish Creole was not a term that Spanish speakers in testing understood, and it made them reluctant to choose the “Spanish” category even when it applied.</p> | Yes | NHES |
| Child’s Family: PARENT 1 LIVING IN HOUSEHOLD | | | | |
| <p>Is this person male or female? € Male € Female</p> | <p>[Are you/ Is this parent or guardian] male or female? 1= Male 2= Female</p> | <p>An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent.</p> | Yes | NHES |
| <p>What is this person’s current marital status? € Now Married € Widowed € Divorced € Separated € Never married</p> | <p>What is [your/this parent or guardian’s] current marital status? 1= Now Married 2= Widowed 3= Divorced 4= Separated 5= Never married</p> | <p>An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent.</p> | Yes | NHES |
| <p>Is this person currently living with a boyfriend/girlfriend or</p> | <p>[Are you/Is this parent or guardian] currently living with a</p> | <p>An expert reviewer at NCES suggested that all</p> | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|---|---------|--------|
| <p>partner in this household?</p> <ul style="list-style-type: none"> € Yes € No | <p>boyfriend/girlfriend or partner in this household?</p> <p>1 = Yes 2= No</p> | <p>questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent.</p> | | |
| <p>What was the FIRST language this parent or guardian learned to speak?</p> <ul style="list-style-type: none"> € English € Spanish € A language other than English or Spanish € English and Spanish equally € English and another language equally | <p>What was the FIRST language [you/ this parent or guardian] learned to speak?</p> <p>1= English 2= Spanish 3= English and Spanish equally 4= A language other than English or Spanish 5= English and another language equally</p> | <p>Cognitive testers suggested that the order of response options in this item should be changed so that the families who speak English and Spanish equally can find that response option quicker.</p> | Yes | NHES |
| <p>What language does this parent or guardian speak most at home NOW?</p> <ul style="list-style-type: none"> € English € Spanish € A language other than English or Spanish € English and Spanish equally € English and another language equally | <p>What language [do you/does this parent or guardian] speak most at home NOW?</p> <p>1= English 2= Spanish 3= English and Spanish equally 4= A language other than English or Spanish 5= English and another language equally</p> | <p>Cognitive testers suggested that the order of response options in this item should be changed so that the families who speak English and Spanish equally can find that response option quicker.</p> | Yes | NHES |
| <p>How old was this person when he or she first moved to the 50 United States or the District of Columbia? [open-ended]</p> | <p>How old [were you/was this parent or guardian] when [you/he/she/he or she] first moved to the 50 United States or the District of Columbia? If younger than 1, enter ‘0’ [open-ended]</p> | <p>An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent. Also, cognitive testing suggested that respondents were not sure what to write when they moved to the U.S. before age 1, so clarification was added.</p> | Yes | NHES |
| <p>Is this person of Hispanic, Latino, or Spanish origin?</p> <ul style="list-style-type: none"> € No € Yes | <p>[Are you/ Is this parent or guardian] of Hispanic, Latino, or Spanish origin?</p> <p>1 = No, not of Hispanic, Latino, or Spanish origin 2 = Yes, Mexican, Mexican American, Chicano 3 = Yes, Puerto Rican 4 = Yes, Cuban 5 = Yes, another Hispanic, Latino, or Spanish origin; or more than one Hispanic, Latino or Spanish origin</p> | <p>Hispanic/Latino ethnic origin response categories were expanded to provide richer data about differences in experiences among Hispanic/Latino children.</p> | Yes | NHES |
| <p>What is this person’s race? You may mark one or more races.</p> <ul style="list-style-type: none"> € American Indian or Alaska Native € Asian € Black or African American, € Native Hawaiian or other Pacific Islander, € White | <p>What is [your/this parent or guardian’s] race? You may select one or more races. American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or other Pacific Islander, White</p> | <p>An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent.</p> | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|--|---|---|---------|--------|
| <p>Which of the following best describes this person’s employment status?</p> <ul style="list-style-type: none"> € Employed for pay or income € Self-employed € Unemployed or out of work € Full-time student € Stay at home parent € Retired € Disabled or unable to work | <p>Which of the following best describes [your/this parent or guardian’s] employment status?</p> <p>1= Employed for pay or income 2= Self-employed 3= Unemployed or out of work 4= Full-time student 5= Stay at home parent 6= Retired 7= Disabled or unable to work</p> | An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent. | Yes | NHES |
| <p>(If employed or self-employed)</p> <p>About how many hours per week does he or she usually work for pay or income, counting all jobs? [open-ended]</p> | <p>About how many HOURS PER WEEK [do you/does this parent or guardian] USUALLY work for pay or income, counting all jobs? [open-ended]</p> | Cognitive testing for NHES:2019 suggested that the parenthetical preface (a convention of the ATES that was adopted by the child surveys in 2016 for consistency) was not adding clarity to the question and was sometimes confusing respondents. | Yes | NHES |
| <p>(If unemployed or out of work)</p> <p>Has this parent or guardian been actively looking for work in the past 4 weeks?</p> <p>No Yes</p> | <p>[Have you/Has this parent or guardian] been ACTIVELY looking for work IN THE PAST 4 WEEKS?</p> <p>1 = Yes 2=No</p> | Cognitive testing for NHES:2019 suggested that the parenthetical preface (a convention of the ATES that was adopted by the child surveys in 2016 for consistency) was not adding clarity to the question and was sometimes confusing respondents. | Yes | NHES |
| <p>In the past 12 months, how many months (if any) has this person worked for pay or income? [open-ended]</p> | <p>IN THE PAST 12 MONTHS, how many months (if any) [have you/has this parent or guardian] worked for pay or income?</p> <p>Select ‘0’ if none. [open-ended]</p> | An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent. | Yes | NHES |
| <p>How old is this person? [open-ended]</p> | <p>How old [are you/is this parent or guardian]?</p> <p>[open-ended]</p> | An expert reviewer at NCES suggested that all questions in this section should refer to “parent or guardian” to be as clear as possible for the respondent. | Yes | NHES |
| <p>Child’s Family: PARENT 2 LIVING IN HOUSEHOLD</p> <p>All revisions shown above for PARENT 1 were also made in the PARENT 2 section.</p> | | | | |
| <p>Your Household</p> | | | | |
| <p>In the past 12 months, did your family ever receive benefits from any of the following programs? Mark XONE box for each item below.</p> <ul style="list-style-type: none"> € Temporary Assistance for Needy Families, or TANF € Your state welfare or family assistance program € Women, Infants, and Children, or WIC € Food Stamps € Medicaid € Child Health Insurance | <p>Now we have a few final questions before you are finished. IN THE PAST 12 MONTHS, did your family ever receive benefits from any of the following programs?</p> <p>Please select one response for EACH item below.</p> <p>a. Your state welfare or family assistance program (this may be called Temporary Assistance for Needy Families [TANF] or something else</p> | The social service benefit programs were updated with more current nomenclature and tested and revised for clarity for respondents | Yes | NHES |

| NHES: 2016 paper item | NHES:2019 web item | Reason for change | Tested? | Source |
|---|--|---|---------|--------|
| Program (CHIP) € Section 8 housing assistance | b. Women, Infants, and Children, or WIC c. SNAP benefits, also known as Food Stamps d. Medicaid e. Child Health Insurance Program (CHIP) f. Housing assistance through a voucher or Section 8 | | | |
| Which category best fits the total income of all persons in your household over the past 12 months? <i>Include your own income. Include money from jobs or other earnings, pensions, interest, rent, Social Security payments, and so on.</i> € \$0 to \$10,000 € \$10,001 to \$20,000 € \$20,001 to \$30,000 € \$30,001 to \$40,000 € \$40,001 to \$50,000 € \$50,001 to \$60,000 € \$60,001 to \$75,000 € \$75,001 to \$100,000 € \$100,001 to \$150,000 € \$150,001 or more | Which category best fits the total income of all persons in your household over the past 12 months? Include your own income. Include money from jobs or other earnings, pensions, interest, rent, Social Security payments, and so on. 1= \$0 to \$10,000 2= \$10,001 to \$20,000 3= \$20,001 to \$30,000 4= \$30,001 to \$40,000 5= \$40,001 to \$50,000 6= \$50,001 to \$60,000 7= \$60,001 to \$75,000 8= \$75,001 to \$100,000 9= \$100,001 to \$150,000 10= \$150,001 to \$200,000 11= \$200,001 to \$250,000 12= \$250,001 or more | Income categories have been updated to keep pace with inflationary rises in income over time. | Yes | NHES |
| Is this house... € Owned or being bought by someone in this household, € Rented by someone in this household, or € Occupied by some other arrangement? | Is this house or apartment... 1= Owned or being bought by someone in this household? 2= Rented by someone in this household? 3= Occupied by some other arrangement? | Cognitive testing revealed that some respondents were offended by the assumption that they live in a house. | Yes | NHES |