

Alternative Supporting Statement for Information Collections Designed for  
**Research, Public Health Surveillance, and Program Evaluation Purposes**

**Assessing the Implementation and Cost of High Quality Early Care and Education: Field Test**

**OMB Information Collection Request**

**0970 - 0499**

**Supporting Statement**

**Part B**

**July 2021**

Submitted By:  
Office of Planning, Research, and Evaluation  
Administration for Children and Families  
U.S. Department of Health and Human Services

4<sup>th</sup> Floor, Mary E. Switzer Building  
330 C Street, SW  
Washington, D.C. 20201

**Project Officers:**

Meryl Barofsky, Senior Social Science Research Analyst  
Ivelisse Martinez-Beck, Senior Social Science Research Analyst and  
Child Care Research Team Leader

## Part B

### **B1. Objectives**

#### *Study Objectives*

The purpose of information collection under the current request is to add a teaching staff survey, the SEQUAL, to the field test so that we can test and validate the measures developed in previous phases of the study (Phase 1 completed ACF's generic clearance 0970-0355 and Phase 2 completed under 0970-0499). The goals of the field test are to (1) refine the implementation measures to further test and improve their psychometric properties; (2) test the usability of revised instruments; and (3) test preliminary associations between implementation, cost, and quality measures. The information collected will provide evidence in the field by validating practical tools to measure how centers use resources to support high-quality early care and education, and examining preliminary evidence of associations between cost and quality. The data will be archived at the Child and Family Data Archive at the University of Michigan for future research and analyses by qualified researchers.

#### *Generalizability of Results*

This is a measurement development study intended to refine and validate instruments, in addition to examining preliminary evidence of associations between cost and quality. Data are not intended to support statistical generalization.

#### *Appropriateness of Study Design and Methods for Planned Uses*

Sites will be selected for geographical diversity and variation in investments in ECE, which is appropriate for further refining and validating the measures created in earlier phases of the study. For sites in this field test, adding an externally validated, existing teaching staff survey and accessing quality rating and improvement systems (QRIS) data from administrative records will support the triangulation of data to assess the new measures' validity.

The diversity of participating sites will support assessment of preliminary associations between site characteristics, implementation factors, quality, and cost structures of center-based ECE. This analysis is intended to assess the practicality of combining these data types, and will not be used to generate nationally-representative estimates of the prevalence of program characteristics, practices, or costs. As noted in Supporting Statement A, this information is not intended to be used as the principal basis for public policy decisions and is not expected to meet the threshold of influential or highly influential scientific information.

The data collection mode, target population, and other study design features align with earlier data collection.

### **B2. Methods and Design**

#### *Target Population*

The target population for this information collection is center-based early care and education (ECE) providers that serve children from birth to age 5. The sampling plan prioritizes the inclusion of different types of ECE centers. To answer questions about the reliability and validity of the measures across a variety of contexts, we first plan to conduct a feasibility test with up to 12 centers from Phase 2 of the previous data collection effort. This is to ensure our measures capture the context of the COVID-19

pandemic on the centers we are visiting appropriately. We next plan to recruit about 10 to 12 additional centers in each of the three states from which centers participated in Phase 2 (so we can combine data for analysis for the field test) and about 16 centers from two additional states. We will recruit centers that represent different geographical regions and types of investments in early care and education. This will provide us with a sample of 80 centers.

### *Sampling and Site Selection*

The study team will consider the following characteristics in selecting the five focal states and plans to target similar proportions of different types of centers in each state (see Table B.1):

- **Quality rating and improvement systems (QRIS).** Selecting states with a QRIS will help ensure some variation in quality based on QRIS ratings. We will also include some centers that do not participate in QRIS. The study team will aim to select at least some focal states that (1) conduct the Program Administration Scale (PAS; Talan and Bloom, 2004) as part of their QRIS rating process; and (2) may be able to provide QRIS component-level data for analysis as these data may allow for additional validation analysis.
- **Child care licensing regulations.** We will include states that have variation in child care licensing requirements because these requirements set the floor for quality.
- **Geographic regions.** The states included in the field test should be located in different Census-defined regions of the country to capture variation in state and regional contexts and conditions.

Table B.1. Targeted number of centers for the field test

	Centers in each state (up to 5 states)	Total
<b>Centers from Phase 2 Data Collection</b>	<b>4</b>	<b>12</b>
<b>Community-based centers with medium/high QRIS rating<sup>a</sup></b>		
Mixed funding <sup>a</sup>	3	20
Limited or no public funding	1	10
<b>Community-based centers with low QRIS rating<sup>a</sup></b>		
Mixed funding <sup>a</sup>	2	10
Limited or no public funding	1	5
<b>Community-based centers with any QRIS rating or not participating in QRIS<sup>a</sup></b>		
Mixed funding <sup>a</sup>	2	10
Limited or no public funding	1	5
<b>Head Start/Early Head Start centers<sup>b</sup></b>		
Head Start only	1	5
Head Start and Early Head Start	1	5
<b>TOTAL</b>	<b>16</b>	<b>80</b>

Note: Numbers in italics are subtotals and are not included in the overall total.

<sup>a</sup> Mixed funding centers are those that draw from tuitions and one or more public funding sources or centers that draw from multiple public funding sources.

<sup>b</sup> Centers that are funded in full with Head Start funding, or receive the majority of their funding from Head Start mixed with other public funding.

The study team will contact centers for the feasibility test from contact information from Phase 2 data collection.

For the remaining centers, the study team will assemble contact lists for centers in five states through state websites and Head Start PIR or ECLKC data, if necessary. The team will use this information to build a comprehensive list of centers that meet the selection criteria, with enough centers in reserve to replace those that are unable or unwilling to participate. We will build sampling lists based on public information on: (1) QRIS rating level and (2) funding sources. Once we successfully recruit a center into the field test, we will conduct the engagement call to collect detailed information about a center's characteristics. We will use this information to determine the fit of the center into our recruitment goals based on the characteristics of interest. If a center has the characteristics needed, we will proceed in enrolling them in the field test and begin data collection. Based on the prior phases of this work, the study team expects to initially send hard copy letters to 2,400 centers, and follow-up with individual emails to 800 centers to secure the participation of the 80 centers required for this study (see Attachment B for the advance letter and email). In order to identify 80 willing sites, we estimate that 800 centers will be contacted for recruitment and 100 centers will participate in the study engagement call.

Recruiters will use the time-use survey roster (Instrument 5) to collect information about the staff in each center and will distribute a survey (Instrument 6) to all eligible staff. For the SEQUAL teaching staff survey, recruiters will work with center administrators to update a teaching staff roster (Instrument 8) to select the same respondents as those for the time-use survey, removing center administrators and removing teaching staff who have left the center. Staff who were teaching staff at the time of the time-use survey will be selected for the teaching staff survey even if their position at the center has since changed. New staff who arrive at the center in fall 2021 will not be eligible for the SEQUAL survey. The study team will then distribute the SEQUAL teaching staff survey (Instrument 8) to all eligible staff.

### **B3. Design of Data Collection Instruments**

#### *Development of Data Collection Instrument(s)*

Since the fall of 2014, the ECE-ICHQ study team has developed a conceptual framework (Attachment A); conducted a review of the literature (Caronongan et al. 2016); consulted with a technical expert panel; collected and summarized findings from Phase 1 of the study (completed under ACF's generic clearance 0970-0355) and collected and summarized findings from Phase 2 of the study (completed under 0970-0499). Phase 1 included thoroughly testing data collection tools and methods, conducting cognitive interviews to obtain feedback from respondents about the tools, and refining and reducing the tools for the next phase. Phase 2 of the study further refined the data collection tools and procedures through additional quantitative study of the implementation of key functions of center-based ECE providers and an analysis of costs. Using the Phase 2 data, the study team developed a draft set of measures of implementation and cost around five key functions of a center (as shown in the conceptual framework).

This information collection request is to add a teaching staff survey, the SEQUAL, to the field test of the measures developed in previous phases of the study, reduced to include only items deemed necessary to accurately measure cost and implementation. The instruments have also been updated to include

information about the COVID-19 pandemic. Table B2 below outlines the final instruments for the field test, including information about their length during Phase 1 and 2 of the study.

Table B.2. Data collection activity for the ECE-ICHQ field test, by respondent, and time to complete

Data collection activity	Respondents	Time to Complete P1	Time to Complete P2	Time to Complete Field Test
Center recruitment call (Instrument 1)	Site administrator or center director	20 minutes	20 minutes	20 minutes
	Umbrella organization administrator (as applicable)	n/a	20 minutes	20 minutes
Center engagement call (Instrument 2)	Site administrator or center director	25 minutes	25 minutes	30 minutes
Implementation interview (Instrument 3)	Site administrator or center director Education specialist Umbrella organization administrator (as applicable)	5.5 hours <sup>a</sup>	3.5 hours	3 hours
Cost workbook (Instrument 4)	Financial manager at site Financial manager of umbrella organization (as applicable)	8 hours	7.5 hours	8 hours
Staff rosters for time-use survey (Instrument 5)	Site administrator or center director	n/a	15 minutes	15 minutes
Time-use survey (Instrument 6)	Site administrator or center director Education specialist Lead and assistant teachers	30 minutes	15 minutes	15 minutes
Center re-engagement call and roster update for the SEQUAL teaching staff survey (Instrument 7)	Site administrator or center director	n/a	n/a	30 minutes
SEQUAL teaching staff survey (Instrument 8)	Lead and assistant teachers	n/a	n/a	30 minutes

<sup>a</sup> In Phase 1, part of the Implementation interview was administered as a self-administered questionnaire.

n/a = not applicable

#### **B4. Collection of Data and Quality Control**

The contractor team (Mathematica) will collect data for this study. Using information from publicly available websites, we will send advance materials to 2,400 centers in 5 states (Attachment B). We will then identify certain centers on the initial contact lists that fit specific selection criteria and send a targeted email and letter to 800 centers (Attachment C). Project staff will call the director of each selected center to discuss the study and recruit the director to participate. The center recruitment and engagement call script (Instruments 1 and 2) will collect information about the characteristics of the center if the director agrees to participate. If the center is part of a larger organization that requires the organization's agreement, the recruiter will contact the appropriate person to obtain that agreement before recruiting the center (Instrument 1). Finally, the recruiter will schedule the data collection activities. All data collection activities will be remote.

**Implementation interview.** The recruiter will send an email (Attachment D) to the center director to confirm the schedule and topics for the implementation interview. Interviewers will use the implementation interview protocol (Instrument 3) to conduct the interview by phone.

**Cost workbook.** The data collection team will send an email (Attachment E) to the center director or a staff member designated by the director who is familiar with the center's finances to schedule a phone call to provide an overview of the cost workbook. The financial manager at each center or umbrella organization will be the primary person to complete the cost workbook (Instrument 4) with support from the data collection team as necessary

**Time-use roster and survey.** Recruiters will work with the center administrator to identify survey respondents. Each potential respondent will be listed on the time-use survey roster (Instrument 5). We will distribute an advance letter inviting potential respondents to fill out the survey and a document with frequently asked questions about the survey (Attachment F). The advance letter will provide a link to the web-based survey (Instrument 6). Potential respondents will also receive an email invitation to complete the survey (Attachment F). A follow-up email (Attachment F) or letter (Attachment F) will be sent if the survey has not been completed within the requested time frame.

**Center re-engagement call and roster update for the SEQUAL teaching staff survey.** Recruitment and data collection activities for the field test began in March 2021. By the fall of 2021, the study team plans to have recruited all 80 centers for the study and completed the implementation interviews and time-use survey collection. Cost data collection may extend into the fall of 2021. To add the SEQUAL teaching staff survey to the data collection activities in each center, recruiters will email and send a letter to center administrators (Attachment G) introducing the SEQUAL teaching staff survey and letting the center administrator know we will be calling soon to discuss having their teaching staff complete it. During the re-engagement call, recruiters will work with the center administrator to update the teaching staff roster and contact information (Instrument 7). Similar to the time-use survey, we will distribute an advance letter inviting potential respondents to fill out the SEQUAL and a document with frequently asked questions about the survey (Attachment G). The advance letter will provide a link to the web-based survey (Instrument 8). Potential respondents will also receive an email invitation to complete the survey (Attachment G). A follow-up email (Attachment G) or letter (Attachment G) will be sent if the teaching staff survey has not been completed within the requested time frame.

We will build quality assurance (QA) into every stage of data collection to ensure that data will be gathered and processed in a valid, standardized, and professional manner. QA includes data collector

certification at the end of training, periodic checks to assess reliability, and ongoing monitoring of data collectors. Together, the data collector and QA reviewer will identify essential questions and items for follow-up. Data collectors will follow up with respondents as necessary, by phone or email. Once all essential follow-up items have been addressed and documented, the QA reviewer will conduct a final review to determine if data collection is complete.

## **B5. Response Rates and Potential Nonresponse Bias**

### *Response Rates*

The team plans to complete all of the cost and implementation data collections with all 80 centers that agree to participate in the study, following the selection protocol described in B2. However, if any centers withdraw from the study after agreeing to participate, a sample of 70 centers would still provide sufficient statistical power to achieve the analytic goals of the field test. As a reminder, the analytic goal of the field test is to assess the validity and reliability of measures and not to determine representative statistical estimates of the items.

Within the 80 selected sites, the team expects to invite 1,280 center staff to complete the time-use and SEQUAL surveys. The team expects to obtain an 87.5 percent response rate, for 1,120 completes of both surveys.

### *Maximizing response rates*

The analysis plan requires obtaining complete data collection for costs and implementation from each participating center. To build center buy-in, initial communication materials will describe the importance of the study, outline the study goals, encourage center participation, and describe the offer of a \$500 honorarium to participating centers. Mathematica has extensive experience in collecting implementation information and cost data with high response rates from staff in education, social services, and health programs. The team has further refined the cost and implementation data collection tools based on their use in Phase 2; these revisions are expected to support full completion.

Study protocols are designed to minimize the organizational burden of complete data collection. Following site selection, the study team will provide each participating center with a summary of the information collected which they can use to assess the activities they pursue under each of the six key functions and how they allocate staff time and center resources to support each function. Providing information structured around the key functions can help center staff think about how they may be supporting quality within their center.

For the time-use survey, recruiters will collect contact information for select administrators and teaching staff, and send an invitation letter and instructions. The materials will provide a secure login ID and password to access the web instrument. The team will follow-up by email at periodic intervals with staff who have not responded up to three times over the course of a month. The study team will also connect with the center director to seek their assistance in reminding staff to complete the surveys, as needed. The study team will use the same process for administering the SEQUAL teaching staff survey in the fall of 2021.

The team's strategies to maximize response rates are based on lessons learned from Phases 1 and 2 as well as experience in other studies. In Phase 2, the study team found that when field staff explained and distributed the time-use survey on site, remained to answer questions about the survey, and offered a

\$10 token of appreciation for completion, response rates were over 90 percent. We cannot use this design with field staff on site due to the COVID-19 pandemic.

The study team will instead increase the token of appreciation amount for completion of the time-use survey from \$10 to \$20 by adding a pre-paid \$10 gift card to potential respondents in half of participating field test centers and increasing the post-pay gift card amount to \$20 in the other half of participating field test centers.

The study team expects that the proposed token of appreciation design change will simulate the response benefit we saw in Phase 2. The pre-token of appreciation is similar in intent to the in-person visits from Phase 2 and will be a mechanism to replicate the success of initial face-to-face contact with respondents. The prepaid token of appreciation provides an opportunity to have center directors have contact with staff about the survey and encourages staff to open the invitation envelope. This population is inclined to help about a topic that is important to them. The invitation with a token of appreciation is designed to get center staff to prioritize the request so it is not forgotten rather than to convince them the survey is important.

The study team will offer a post-survey token of appreciation through delivery of an immediate \$10 electronic gift card to replicate having site field staff hand out gift cards on-site immediately following survey completion. The total increase in the gift card value will also help offset the increased effort required of staff to access and complete a web-based survey and is expected to result in more center staff completing the time-use survey and getting the response rate for the survey close to levels seen in Phase 2 of data collection.

For the SEQUAL teaching staff survey, the study team will make use of pre- and post-paid tokens of appreciation but vary the amount of pre-paid gift cards. This approach is similarly structured to simulate the high response rates we experienced through in-person contact at survey distribution and collection but do so through the token of appreciation remotely. Varying the amount of the pre-paid gift card relative to the post response gift card will help build evidence about cost effective ways to obtain high response rates among staff in center-based settings.

If a center's total response rate for the SEQUAL is below 70 percent after all the follow-up emails have been sent, the study team will schedule a site visit to distribute and collect the surveys. During the visit, field staff will encourage teaching staff to complete the survey online or on paper and distribute the gift card at completion (based on the amount for the experimental group the center was assigned to). If respondents still haven't completed their surveys within a week of the site visit, they will receive one more follow-up email.

#### *Non Response*

Based on previous experience in earlier phases of the project, we do not expect substantial non-response on center-level data collection (implementation and cost). As part of study reporting, we plan to present information about characteristics of the participating sites and the full universe of eligible sites on the characteristics listed in table B1.

The potential for challenges with survey non-response exists mainly for the time-use survey, to be completed by key administrators and teaching staff, and the SEQUAL teaching staff survey. The study team will work closely with each center to maximize completion of both surveys. See details on

maximizing response rates in the section above. The team will follow up with non-responders by email and regular mail (Attachments F and G) to encourage survey completion.

The study will attempt to collect data from all teaching staff at each center in the field test to understand the extent of variation within centers and among staff with similar roles. The team will create time-use measures by job category using all available data from staff in a particular position. If there are no responses in a center from staff corresponding to a specific teaching position (for example, an assistant teacher), the team will explore several options for creating time-use measures for that position. One option is to develop time-use measures based on the average responses among all other respondents in the center who are in teaching positions. A second option is to impute time-use measures based on the responses from teaching staff in similar positions in a group of centers with similar characteristics. A third option is to create time-use measures using assumptions about time allocation based on information gathered about that staff member's responsibilities in the center. The team will conduct sensitivity tests to assess whether and how different approaches to estimating measures for teaching positions with missing data affect measures at the center level. Individual teaching staff responses to the SEQUAL will be scored and aggregated to create center-level domain scores on Teaching Supports, Learning Community, Job Crafting, and Adult Well-Being. The scores are more stable with responses from all or most teaching staff, but scores can be generated with as few as two respondents.

The team will not collect information on the demographic characteristics of individual staff members that would be necessary to compare respondents with non-respondents; however, we will analyze characteristics of centers with high and low non-response in the study sample. The team will also analyze differences in response rates, at the center-level and by respondent type (such as lead and assistant teachers), between the two experimental token of appreciation groups for each survey. They will also examine differences in the timing of survey completion between respondents in centers in each of the two experimental groups for each survey and assess the costs associated with each approach.

## **B6. Production of Estimates and Projections**

To support evidence-informed program management and improvement, ACF will use the data from this ICR to assess the feasibility, validity, reliability, and usefulness of a field protocol to measure implementation, costs, and quality of ECE. The data will not be used to generate population estimates, either for internal use or dissemination.

## **B7. Data Handling and Analysis**

### *Data Handling*

#### **Procedures for editing to mitigate or correct detectable errors, including checks built into computerized instruments.**

Data from the instruments will be monitored for potential respondent errors as reflected in high levels of item nonresponse ("don't know" and "refused" responses). ICHQ will allow the use of some paper instruments, as some respondents may choose to complete their time-use or SEQUAL surveys on paper. All paper instruments will be reviewed by specially trained data quality clerks who will check for

completeness and clarity and adherence to routing and range rules. In addition, senior project staff members will review data collected electronically to determine the need for corrections to instruments.

The web-based surveys will contain built-in range checks, logic checks, and routing instructions to effectively eliminate most of the errors inherent in paper instruments. All data will undergo a series of data editing steps beginning with the recruiters' review of all roster information entered into a web-based rostering program. Senior staff will then review the roster information and note any errors or inconsistencies for correction.

#### **Procedures to minimize errors due to data entry, coding, and data processing.**

Cost and implementation data are reviewed by data collectors and a dedicated QA reviewer to ensure that data are complete and error free. Data entry staff will enter the data from any paper time-use or SEQUAL surveys into the web-based instruments. With the use of the same web-based instrument, the data received from hard copy instruments for either survey will undergo the same range, logic, and consistency checks that are built into the web-based instruments. Entering the data from paper instruments into the web-based instruments allows frequency review to be performed across all cases regardless of administration mode. Several questions in the time-use survey are open-ended and will require respondents to enter text directly. In addition, some responses to questions may not fit into any of the provided response categories. Respondents will have the option to choose "other" and then to specify a response. Probes and help screens will be built into the survey to be available for the respondents.

#### *Data Analysis*

The study team will build the measures in a series of incremental steps. The steps progress from analyzing the data at the item-level; next, creating reliable summary variables for analysis by key function; and finally, analyzing summary variables or scales to examine associations among implementation, cost, and center characteristics (including quality).

**Cost measures.** The cost analysis team will use data from the three most recent consecutive months of in-person provision of services to children to estimate operating costs. They will estimate total program cost by aggregating the cost of several categories: (1) salaries and fringe; (2) staff training and education; (3) contracted services; (4) facilities; (5) supplies and materials; (6) equipment; (7) other/miscellaneous costs; and (8) payments/overhead costs for operating as part of a larger organization/entity. From total program cost, we will calculate other key measures: for example, cost per child care hour and proportion of total costs allocated to each key function.

**Implementation measures.** When data are complete and clean, the study team will develop implementation measures that represent a descriptor of each key function. To assess the validity and reliability of draft scales for each key function, the study team will first examine the item-total correlations, which represents the degree to which differences among centers' responses to each individual item are consistent with their responses to all other items in the scale as a whole. A high item-total correlation indicates that the item is consistent with the scale as a whole, which is a desirable

characteristic for reliability. Next, we will identify the items with adequate item-total correlations (at least 0.2) and examine face validity of the resulting set of items. In other words, we will examine whether the set of items reflects content we would expect from a theoretical perspective. Finally, we will conduct categorical confirmatory factor analysis to identify key implementation factors and how they work together within each of the key functions.

**Analysis.** The study team will use constructed cost and implementation measures to focus on:

- **Validity of the implementation measures:** The team will evaluate concurrent validity of the implementation measures by looking at bivariate correlations between the implementation measures and scores or performance on other well-known or established measures of the same or similar construct obtained at approximately the same time. The team will calculate the correlations between the implementation measures and the SEQUAL domain scores to assess evidence of a positive relationship with measures of the same or similar constructs. The team will also evaluate validity by testing for significant bivariate relationships between the implementation measures and measures of quality—such as QRIS ratings or accreditation—through correlations or t-tests for differences in means.
- **Variation in implementation and cost measures:** The team will inspect descriptive statistics for implementation and cost measures, by key function, across all centers and by a range of center characteristics (such as funding mix, inclusion of infant or toddler age, or center size).
- **Associations between implementation and cost measures:** The team will examine correlations between implementation and cost measures. According to our calculations, a sample of 80 centers would be sufficient to detect correlations of 0.31 or higher.
- **Examine whether the relationship between implementation, cost, and/or quality varies by selected center characteristics:** The team will conduct multivariate analysis to examine the relationship between cost and implementation, controlling for selected center characteristics (including quality). The team will also explore whether the relationship between cost, implementation and/or quality varies by other selected center characteristics. Quality measures will primarily be based on publicly available QRIS ratings. The study team will also explore the possibility of conducting additional analysis using center-level state administrative data (for example, additional quality measures collected through the state QRIS).

The study team will also analyze the results of the experiments with tokens of appreciation for the time-use and SEQUAL teaching staff surveys. For each experiment, the team will analyze differences in response rates, at the center-level and by respondent type (such as lead and assistant teachers), between the two experimental groups. They will also examine differences in the timing of survey completion between respondents in centers in each of the two experimental groups and assess the costs associated with each approach. The study team will prepare a memorandum that presents the results for each experiment as available. The results on the effectiveness and efficiency in the use of pre-paid tokens of appreciation and variation in amounts (or dosage) will prove useful in building a body of

evidence about what works in conducting surveys with teaching staff in early care and education center-based settings.

*Data Use.* After the field test and when measures have been finalized, the team will develop a user's manual about the collection and analysis of data to produce and interpret the measures so that the instruments/measures can be used by other researchers to generate information to guide program, policy, and practice. If ACF opts to archive the data from this field test for secondary use, documentation will include information necessary to contextualize and assist in interpretation of the data, such as descriptive tables comparing the characteristics of participating centers to national averages.

#### **B8. Contact Person(s)**

Meryl Barofsky, Office of Planning, Research, and Evaluation, [Meryl.Barofsky@acf.hhs.gov](mailto:Meryl.Barofsky@acf.hhs.gov)

Ivelisse Martinez-Beck, Office of Planning, Research, and Evaluation, [ivelisse.martinezbeck@acf.hhs.gov](mailto:ivelisse.martinezbeck@acf.hhs.gov)

Tracy Carter Clopet, Office of Planning, Research, and Evaluation, [Tracy.Clopet@acf.hhs.gov](mailto:Tracy.Clopet@acf.hhs.gov)

Gretchen Kirby, Mathematica Policy Research, [GKirby@Mathematica-Mpr.com](mailto:GKirby@Mathematica-Mpr.com)

Pia Caronongan, Mathematica Policy Research, [PCaronongan@mathematica-mpr.com](mailto:PCaronongan@mathematica-mpr.com)

Annalee Kelly, Mathematica Policy Research, [AKelly@mathematica-mpr.com](mailto:AKelly@mathematica-mpr.com)

## Attachments

ATTACHMENT A:	ECE-ICHQ CONCEPTUAL FRAMEWORK
ATTACHMENT B:	ADVANCE MATERIALS
ATTACHMENT C:	EMAIL AND LETTER TO SELECTED CENTERS
ATTACHMENT D:	IMPLEMENTATION INTERVIEW EMAIL
ATTACHMENT E:	COST WORKBOOK EMAIL
ATTACHMENT F:	TIME-USE SURVEY OUTREACH
ATTACHMENT G:	SEQUAL TEACHING STAFF SURVEY OUTREACH
INSTRUMENT 1:	CENTER RECRUITMENT CALL SCRIPTS
INSTRUMENT 2:	CENTER ENGAGEMENT CALL SCRIPT
INSTRUMENT 3:	IMPLEMENTATION INTERVIEW PROTOCOL
INSTRUMENT 4:	COST WORKBOOK
INSTRUMENT 5:	TIME-USE SURVEY ROSTER
INSTRUMENT 6:	TIME-USE SURVEY
INSTRUMENT 7:	CENTER RE-ENGAGEMENT CALL SCRIPT AND ROSTER UPDATE FOR THE SEQUAL TEACHING STAFF SURVEY
INSTRUMENT 8:	SEQUAL TEACHING STAFF SURVEY (citation only; proprietary instrument)