



**Analysis of Family Survey Data
Addressing Part C Indicator #4
2023**

State Report

Florida Department of Health
Children's Medical Services
Early Steps State Office



TABLE OF CONTENTS

1 - EXECUTIVE SUMMARY	3
2 - BACKGROUND	5
3 - CHARACTERISTICS OF THE SAMPLE DATA	8
3.1. Distribution of Race/Ethnicity in the Sample	8
3.2. Distribution of Gender in the Sample	8
3.3. Distribution of Medicaid Enrollment in the Sample	9
3.4. Distribution of Survey Completion Location in the Sample	9
4 - RESULTS PERTAINING TO INDICATOR #4	10
4.1. Distribution of the IFS Measures	10
4.2. Interpretation of the Mean IFS Measure	12
4.3. Percent of Families Meeting Each of the Standards for Indicator #4	15
4.4. Percent of Families Meeting Each of the Standards by Race/Ethnicity	16
4.5. Percent of Families Meeting Each of the Standards by Gender	17
4.6. Percent of Families Meeting Each of the Standards by Medicaid Enrollment	17
4.7. Percent of Families Meeting Each of the Standards by Survey Completion Location	18
4.8. Percent of Families Meeting Each of the Standards by Survey Type	18
4.9. Percent of Families Meeting Each of the Standards by Early Steps Program	19
5 - MEASUREMENT FRAMEWORK	20
6 - RESULTS PERTAINING TO THE PSYCHOMETRIC PROPERTIES OF THE IMPACT ON FAMILY SCALE	23
6.1. Psychometric Properties of the IFS Measures	23
6.2. Psychometric Properties of the IFS Items	24
7 - CALIBRATION METHODOLOGY FOR THE IMPACT ON FAMILY SCALE	26
REFERENCES	27
APPENDIX A: LONGITUDINAL FIGURES	28
APPENDIX B: SAMPLE SURVEY	29
APPENDIX C: RESPONSE FREQUENCIES BY ITEM	31

SECTION 1

Executive Summary

In accordance with federal reporting requirements mandated by the U.S. Department of Education, Office of Special Education Programs (OSEP) under the Individuals with Disabilities Education Act (IDEA 2004), Part C Lead Agencies must report annually on performance indicators related to early intervention services for children ages birth to three. This report presents findings of a survey conducted by the Florida Department of Health (FDOH) to address Indicator #4, the “percent of families participating in Part C who report that Early Steps services have helped the family a) know their rights, b) effectively communicate their children’s needs, and c) help their children develop and learn”.

The survey administered by the FDOH included one rating scale developed and validated by the National Center for Special Education Accountability Monitoring (NCSEAM). The 22-item Impact on Family Scale (IFS) measures the extent to which Early Steps services helped families achieve positive outcomes, including the three outcomes specified in Indicator #4.

Response Rate

A total of 2,773 families were eligible to receive a survey in 15 Early Steps Programs. Overall, 1,518 completed surveys were returned, for a **return rate of 54.74%** (1,518/2,773). All returned surveys provided usable data. The number of returned surveys exceeds the minimum number required for an adequate confidence level based on established survey sample guidelines (e.g., <https://www.surveysystem.com/sscalc.htm>).

The analysis produces a measure for each survey respondent. Individual measures can range from 0 to 1,000. Measures of all respondents were averaged to yield a mean measure reflecting the overall performance of the state in regard to the impact of Early Steps on family outcomes.

As noted, OSEP requires that the state’s performance be reported as the percent of families who report that Early Steps services helped them achieve specific outcomes. Deriving a percent from

a continuous distribution requires application of a standard or cut-score. The FDOH elected to apply the Part C standards recommended by a nationally representative stakeholder group convened by NCSEAM. The recommended standards established based on item content expressed in the scale, were as follows: for Indicator 4a, *know their rights*, a measure of 539; for Indicator 4b, *effectively communicate their children's needs*, a measure of 556; and for Indicator 4c, *help their children develop and learn*, a measure of 516.

The following points represent the major findings related to Indicator #4:

Florida's Mean Measure on the IFS

The mean measure on the IFS is 695 with a standard deviation of 192. The standard error of the mean is 4.9, and the 95% confidence interval for the mean is 685.2–704.6. This means that there is a 95% likelihood that the true value of the mean lies between these two values.

Florida's Percent on Indicators

Indicator 4a: The percent of families who reported that the Early Steps program helped them *know their rights* is **78.5%**. The 95% confidence interval for the true population percentage is 76.4%–80.5%. This means that there is a 95% likelihood that the true value of the state percentage for Indicator 4a is between these two values.

Indicator 4b: The percent of families who reported that the Early Steps program helped them *effectively communicate their children's needs* is **74.6%**. The 95% confidence interval for the true population percentage is 72.4%–76.7%.

Indicator 4c: The percent of families who reported that the Early Steps program helped them *help their children develop and learn* is **87.9%**. The 95% confidence interval for the true population percentage is 86.2%–89.4%.

See Appendix A for Florida's historical Indicator #4 percentages (figures for 15 years are available).

SECTION 2

Background

Federal Requirements

State Lead Agencies under Part C of the IDEA are required to report data annually addressing key performance indicators. Each state is required to submit an Annual Performance Report (APR) to OSEP addressing established targets set in the State Performance Plan (SPP). Indicator #4, the “percent of families participating in Part C who report that Early Steps programs have helped the family a) know their rights, b) effectively communicate their children’s needs, and c) help their children develop and learn”, is one of the indicators in the federal accountability system.

Survey Instrument

The IFS was developed by NCSEAM to provide states with valid and reliable instruments to measure (a) positive outcomes that families experience as a result of their participation in Early Steps, and (b) families’ perceptions of the quality of Early Steps services. Items were developed with substantial input from families and other key stakeholders across the country.

As part of its National Item Validation Study, NCSEAM collected data from a nationally representative sample of over 1,700 families participating in early intervention programs. Results of NCSEAM’s data analyses supported the high reliability and validity of both scales. It was determined that scale reliabilities of .90 or above could be achieved with 22 items for the IFS. NCSEAM provided states with an appropriate sample item set for each scale, as well as instructions for customizing the scales by drawing on the larger bank of piloted items that NCSEAM made available on its website. The FDOH elected to use 22 items for the IFS.

Survey Administration

Survey packages were distributed to service coordinators (or family resource specialists) across 15 local Early Steps programs. The packages included instructions for service coordinators and a survey (in English and Spanish), cover letter, and pre-paid return envelope for each family whose child was selected for the sample. The cover letter invited parents to complete the paper survey or to submit an online version.

On the whole, programs encouraged families to complete the survey online. Unique online survey logins were distributed by programs to families. If requested, families had the option of completing the paper survey, which was available in two primary languages (i.e., English and Spanish). The majority of respondents completed online versions of the survey. Only a small number of paper surveys were distributed to families. Online logins and paper surveys were distributed to families in February 2023. By the May 1st return deadline, 1,518 surveys were received (including 1,446 Web submissions). A total of 2,773 surveys, were distributed to families across 15 programs for a response rate of 54.74%. See Appendix B for a sample 2022–23 family survey.

Standards

The FDOH elected to apply the standards recommended by NCSEAM as a way of deriving the percents to be reported for Indicators 4a, 4b, and 4c.

To establish a recommended standard, NCSEAM convened a group of nationally representative stakeholders, including parents of children with disabilities, state directors of special education, state early intervention coordinators, district and program personnel, advocates, attorneys, and community representatives. Participants were invited to examine a set of items from the IFS, laid out in calibration order (see Table 14). The items towards the bottom of the scale, having lower calibrations, are items that families tend to agree with most. The items towards the top of the scale, having higher calibrations, are items that families tend to agree with least. Because of the robust structure of the scale, a respondent who agrees with a given statement will have a very high likelihood of agreeing or agreeing even more strongly, with all the items below it on the scale.

For Indicator 4a, the stakeholder group agreed that families needed to endorse all items up to and including the item, “Over the past year, Early Steps services have helped me and/or my family know about my child's and family's rights concerning Early Steps services”. For Indicator 4b, the stakeholder group agreed that families needed to endorse all items up to and including the item, “Over the past year, Early Steps services have helped me and/or my family communicate more effectively with the people who work with my child and family”. For Indicator 4c, the stakeholder group agreed that families needed to endorse all items up to and including the item, “Over the past year, Early Steps services have helped me and/or my family understand my child's special needs”. These standards were operationalized by designating as the numerical standard the measure that, in each case, corresponds to the threshold item's calibration. For Indicators 4a, 4b,

and 4c, the measures representing the standards are 539, 556, and 516, respectively. This ensures that in each case, families with a measure at or above the standard have a .95 likelihood of agreeing with the threshold item.

SECTION 3

Characteristics of the Sample Data

3.1. Distribution of Race/Ethnicity in the Sample

Table 1 displays the distribution of race/ethnicity in the survey sample.

Table 1. Race/Ethnicity Distribution		
Race/Ethnicity	N	Percentage*
American Indian or Alaska Native	4	<1%
Asian	39	3%
Black or African American	279	18%
Hispanic/Latino	649	43%
Multi-racial	64	4%
Native Hawaiian or Other Pacific Islander	4	<1%
White	464	31%
Missing	15	1%

3.2. Distribution of Gender in the Sample

Table 2 displays the distribution of gender in the survey sample.

Table 2. Gender Distribution		
Gender	N	Percentage*
Male	1,014	67%
Female	492	32%
Missing	12	<1%

* Percentages have been rounded and may not sum to exactly 100%.

3.3. Distribution of Medicaid Enrollment in the Sample

Table 3 displays the distribution of children enrolled in Medicaid since they were referred to Early Steps.

Table 3. Medicaid Enrollment Distribution		
Enrolled in Medicaid?	N	Percentage*
Yes	822	54%
No	678	45%
Missing	18	1%

3.4. Distribution of Survey Completion Location in the Sample

Table 4 displays the distribution of locations where the survey was completed.

Table 4. Location Distribution for Survey Completion		
Where was the survey completed?	N	Percentage*
In the home	1,303	86%
In the community	38	3%
At an Early Steps event	5	<1%
At an Early Steps meeting or appointment	156	10%
Missing	16	1%

* Percentages have been rounded and may not sum to exactly 100%.

SECTION 4

Results Pertaining to Indicator #4

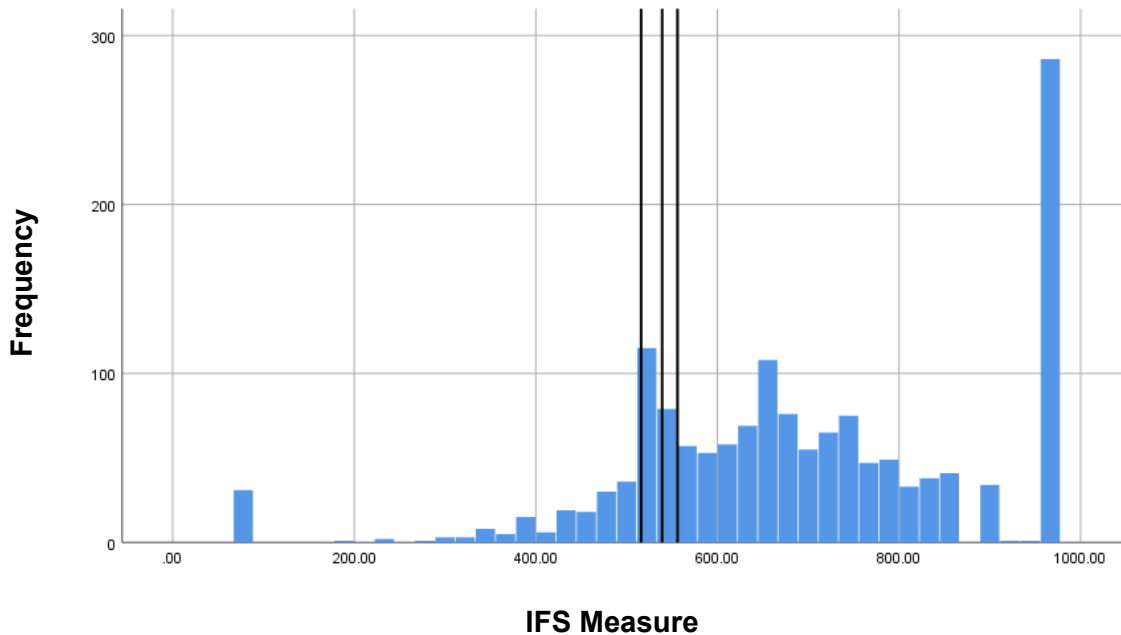
4.1. Distribution of the IFS Measures

The properties of the distribution of IFS measures for the 1,518 families who responded to the IFS items are shown in Table 5. The sample mean is 695. The standard deviation of measures is 192, indicating that the average distance of measures from the mean measure is 192 units. The standard error of the sample mean, that is, the expected error of the sample mean in estimating the true population mean for Florida, is 4.9. The 95% confidence interval for the true population mean for Florida extends from 685.2 to 704.6, indicating that we are 95% confident that the true population mean for families of children served by the FDOH’s Early Steps Program lies somewhere in this range.

Table 5. Properties of IFS Measures			
Sample Mean	Standard Deviation	Standard Error of the Sample Mean	95% Confidence Interval for the Population Mean
695	192	4.9	685.2–704.6

Figure 1 displays the distribution of IFS measures. Each bar indicates the number of families with measures at the value indicated on the x-axis. The vertical black lines correspond to the three standards applied to Indicator 4a (539), 4b (556), and 4c (516).

Figure 1. Distribution of IFS Measures



The distribution of measures approximates a normal distribution, with one exception. An extremely high number of respondents with measures at the positive end of the scale are represented by the high bar at the extreme right of the graph. These individuals responded in the “very strongly agree” category to each and every item. When individuals fail to make any distinction among items that are known to have different levels of agreeability, they are said to display a “response set,” that is, a uniform way of responding that makes it hard to judge whether the responses are authentic or are, in effect, a way of complying with the task that does not really provide useful information. This phenomenon should be taken into consideration when interpreting the findings.

4.2. Interpretation of the Mean IFS Measure

The state's performance on the IFS conveys information that goes beyond the three outcomes that are addressed in OSEP's Indicator #4. A mean measure of 695 on the IFS indicates that the FDOH is helping families to achieve many positive outcomes. These positive outcomes are evident from the response percentages displayed in Table 6. The table also displays each item's calibration value, to be discussed in Section 5.

Table 6. Percent of Families Expressing Agreement with IFS Items				
Item #	Item Calibration	Item	% Agree in any category	% Strongly/Very strongly agree
		<i>Over the past year, Early Steps services have helped me and/or my family:</i>		
20	498	– do things with and for my child that are good for my child's development.	95%	72%
22	498	– feel that my efforts are helping my child.	94%	71%
21	516	– understand my child's special needs. [Indicator 4c]	94%	70%
3	570	– improve my family's quality of life.	94%	67%
9	576	– make changes in family routines that will benefit my child with special needs.	93%	68%
17	556	– communicate more effectively with people who work with my child and family. [Indicator 4b]	93%	67%
7	559	– feel more confident in my skills as a parent.	93%	66%
15	559	– feel that my child will be accepted and welcomed in the community.	93%	66%
18	546	– understand the roles of the people who work with my child and family.	93%	66%
16	562	– feel that my family will be accepted and welcomed in the community.	93%	64%
19	539	– know about my child's and family's rights concerning Early Steps services. [Indicator 4a]	93%	64%
6	563	– get the services that my child and family need.	92%	67%
14	534	– be able to evaluate how much progress my child is making.	92%	67%
11	576	– do activities that are good for my child even in times of stress.	92%	66%

Table 6. Percent of Families Expressing Agreement with IFS Items (continued)

Item #	Item Calibration	Item <i>Over the past year, Early Steps services have helped me and/or my family:</i>	% Agree in any category	% Strongly/ Very strongly agree
10	584	– be more effective in managing my child's behavior.	92%	65%
13	553	– understand how the Early Steps system works.	92%	65%
12	565	– feel that I can get the services and supports that my child and family need.	91%	65%
4	609	– know where to go for support to meet my child's needs.	90%	65%
5	640	– know where to go for support to meet my family's needs.	89%	60%
2	656	– know about services in the community.	88%	57%
8	625	– keep up friendships for my child and family.	87%	58%
1	678	– participate in typical activities for children and families in my community.	85%	55%

As seen in the table, 94%–95% families agreed, with 70%–72% expressing strong or very strong agreement, that Early Steps services helped them do things with and for their child that are good for their child's development, feel that their efforts are helping their child, and understand their child's special needs.

Similarly, approximately 92% of families agreed, with approximately 66%–67% expressing strong or very strong agreement, that Early Steps services helped them get the services that their child and family need, be able to evaluate how much progress their child is making and do activities that are good for their child even in times of stress.

In other respects, family responses are slightly less consistent. Approximately 85%–88% of families agreed, with 55%–58% expressing strong or very strong agreement, that Early Steps services helped them know about services in the community, keep up friendships for their child and family, and participate in typical activities for children and families in their community.

For reference, the frequency distribution of responses to all the items in the IFS is provided in Appendix C.

4.3. Percent of Families Meeting Each of the Standards for Indicator #4

Table 7 presents the percentage of families having an IFS measure that met or exceeded each of the three standards for Indicator #4, as well as a 95% confidence interval for the true population percentage. Note that the confidence interval is asymmetric about the sample percentage, in that there is a greater distance in the confidence interval below the sample percentage than above the sample percentage. The asymmetric confidence interval represents a more accurate confidence interval for percentages than normal-distribution based symmetric confidence intervals (due to the fact that percentages are bounded between 0 and 100). The asymmetric confidence interval reported here is the score interval proposed by Wilson (1927) and described in greater detail in Agresti (1996) and Penfield (2003).

Table 7. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4			
	<u>Indicator 4a</u> Percent of families who report that Early Steps services helped them know their rights (Item 19)	<u>Indicator 4b</u> Percent of families who report that Early Steps services helped them effectively communicate their children's needs (Item 17)	<u>Indicator 4c</u> Percent of families who report that Early Steps services helped them help their children develop and learn (Item 21)
State Target	88.5%	84.2%	94.0%
Percentage	78.5% (1,192 of 1,518 met standard)	74.6% (1,133 of 1,518 met standard)	87.9% (1,335 of 1,518 met standard)
95% Confidence Interval	76.4%–80.5%	72.4%–76.7%	86.2%–89.4%

4.4. Percent of Families Meeting Each of the Standards by Race/Ethnicity

Table 8 presents the percentage of families with measures that met or exceeded each of the three standards, by racial/ethnic category. Please note that the sample was not designed to be representative of race/ethnicity. Therefore, Table 8 is included for illustrative purposes only, as are Tables 9–13.

Table 8. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Race/Ethnicity			
Race/Ethnicity	Indicator 4a Percent of families who report that Early Steps services helped them know their rights (Item 19)	Indicator 4b Percent of families who report that Early Steps services helped them effectively communicate their children's needs (Item 17)	Indicator 4c Percent of families who report that Early Steps services helped them help their children develop and learn (Item 21)
American Indian or Alaska Native (N = 4)	50.0% (2 met standard) CI: 15.0%–85.0%	25.0% (1 met standard) CI: 4.6%–69.9%	50.0% (2 met standard) CI: 15.0%–85.0%
Asian (N = 39)	71.8% (28 met standard) CI: 56.2%–83.5%	66.7% (26 met standard) CI: 51.0%–79.4%	87.2% (34 met standard) CI: 73.3%–94.4%
Black or African American (N = 279)	78.1% (218 met standard) CI: 72.9%–82.6%	72.8% (203 met standard) CI: 67.3%–77.7%	88.2% (246 met standard) CI: 83.9%–91.5%
Hispanic or Latino (N = 649)	82.4% (535 met standard) CI: 79.3%–85.1%	79.5% (516 met standard) CI: 76.2%–82.4%	90.9% (590 met standard) CI: 88.4%–92.9%
Multi-racial (N = 64)	71.9% (46 met standard) CI: 59.9%–81.4%	67.2% (43 met standard) CI: 55.0%–77.4%	81.3% (52 met standard) CI: 70.1%–89.0%
Native Hawaiian or Other Pacific Islander (N = 4)	100.0% (4 met standard) CI: --	75.0% (3 met standard) CI: 30.1%–95.4%	100% (4 met standard) CI: --
White (N = 464)	75.7% (351 met standard) CI: 71.6%–79.4%	72.0% (334 met standard) CI: 67.7%–75.9%	85.8% (398 met standard) CI: 82.3%–88.7%

4.5. Percent of Families Meeting Each of the Standards by Gender

Table 9 presents the percentage of families with measures that met or exceeded each of the three standards, by child's gender.

Table 9. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Gender			
Gender	<u>Indicator 4a</u> Percent of families who report that Early Steps services helped them know their rights (Item 19)	<u>Indicator 4b</u> Percent of families who report that Early Steps services helped them effectively communicate their children's needs (Item 17)	<u>Indicator 4c</u> Percent of families who report that Early Steps services helped them help their children develop and learn (Item 21)
Male (N = 1,014)	79.2% (803 met standard) CI: 76.6%–81.6%	75.4% (765 met standard) CI: 72.7%–78.0%	88.2% (894 met standard) CI: 86.1%–90.0%
Female (N = 492)	77.6% (382 met standard) CI: 73.7%–81.1%	73.6% (362 met standard) CI: 69.5%–77.3%	88.0% (433 met standard) CI: 84.8%–90.6%

4.6. Percent of Families Meeting Each of the Standards by Medicaid Enrollment

Table 10 presents the percentage of families with measures that met or exceeded each of the three standards, by Medicaid enrollment.

Table 10. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Medicaid Enrollment			
Enrolled in Medicaid?	<u>Indicator 4a</u> Percent of families who report that Early Steps services helped them know their rights (Item 19)	<u>Indicator 4b</u> Percent of families who report that Early Steps services helped them effectively communicate their children's needs (Item 17)	<u>Indicator 4c</u> Percent of families who report that Early Steps services helped them help their children develop and learn (Item 21)
Yes (N = 822)	81.1% (667 met standard) CI: 78.3%–83.6%	77.5% (637 met standard) CI: 74.5%–80.2%	89.5% (736 met standard) CI: 87.2%–91.4%
No (N = 678)	75.8% (514 met standard) CI: 72.4%–78.9%	72.0% (488 met standard) CI: 68.5%–75.2%	86.3% (585 met standard) CI: 83.5%–88.7%

4.7. Percent of Families Meeting Each of the Standards by Survey Completion Location

Table 11 presents the percentage of families with measures that met or exceeded each of the three standards, by survey completion location.

Table 11. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Survey Completion Location				
Where was the survey completed?	N	Indicator 4a	Indicator 4b	Indicator 4c
In the home	1,303	78.5%	74.8%	88.2%
In the community	38	68.4%	65.8%	76.3%
At an Early Steps event	5	20.0%	20.0%	60.0%
At an Early Steps meeting or appointment	156	87.8%	82.7%	91.0%

4.8. Percent of Families Meeting Each of the Standards by Survey Type

Table 12 presents the percentage of families with measures that met or exceeded each of the three standards, by survey type.

Table 12. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Survey Type				
Survey Type	N	Indicator 4a	Indicator 4b	Indicator 4c
Paper	72	86.1%	80.6%	90.3%
Web	1,446	78.1%	74.3%	87.8%

4.9. Percent of Families Meeting Each of the Standards by Early Steps Program

Table 13 presents the percentage of families with measures that met or exceeded each of the three standards, by the Early Steps program.

Table 13. Percent of Respondents Meeting or Exceeding Each of the Standards for Indicator #4, by Early Steps Program				
Early Steps Program	N	Indicator 4a	Indicator 4b	Indicator 4c
Bay Area Early Steps	155	72.3%	68.4%	85.8%
Big Bend Early Steps	52	76.9%	67.3%	86.5%
Central Florida Early Steps	144	75.0%	68.8%	84.0%
Gold Coast Early Steps	232	83.6%	80.2%	89.2%
Gulf Central Early Steps	63	79.4%	77.8%	90.5%
North Beaches Early Steps	55	76.4%	69.1%	85.5%
North Central Early Steps	70	97.1%	97.1%	100%
North Dade Early Steps	167	98.2%	97.0%	98.2%
Northeastern Early Steps	47	27.7%	23.4%	34.0%
Southernmost Coast Early Steps	156	70.5%	66.7%	87.2%
Southwest Florida Early Steps	53	86.8%	81.1%	94.3%
Space Coast Early Steps	24	58.3%	58.3%	75.0%
Treasure Coast Early Steps	43	55.8%	51.2%	81.4%
West Central Early Steps	206	83.0%	78.6%	94.7%
Western Panhandle Early Steps	51	70.6%	66.7%	80.4%

SECTION 5

Measurement Framework

The measurement approach used by NCSEAM, known as the Rasch framework, applies a series of parametric models to estimate the properties of each survey item and each respondent in a way that places individuals and items on a common metric (Bond & Fox, 2001; Fischer & Molenaar, 1995; Rasch, 1960; Wright & Masters, 1982). The Rasch approach offers many advantages over typical approaches to survey development. First, it is possible to test whether the items administered belong together, that is, whether they are all related to the construct that the scale is supposed to measure. Ongoing confirmation of the fit of the items helps to maintain the quality of the measurement system. It is also possible to test whether the response categories are operating in the expected fashion. Often, the way in which respondents actually use the response categories does not correspond to the equidistant way in which they are laid out on paper. Extreme categories (e.g., “very strongly disagree”) are sometimes used so infrequently that it makes sense to combine them with an adjacent, less extreme, category (“very strongly disagree/strongly disagree”).

Second, it is possible to determine where each item is located on the measurement ruler. The item’s location is referred to as the item’s “calibration.” Typically, items in a test or survey are not all equal with respect to the amount of the attribute or quality that the items are measuring. It has been empirically demonstrated, in fact, that items in the IFS are not all of equal agreeability. Items range from those that are most likely to draw “agree” responses to those that are least likely to draw “agree” responses. Highly agreeable items have low calibrations; less agreeable items have higher calibrations. Table 14 displays the IFS items in the calibration order.

Table 14. IFS Items in Calibration Order

Item Calibration	Item <i>Over the past year, Early Steps services have helped me and/or my family:</i>
678	– participate in typical activities for children and families in my community.
656	– know about services in the community.
640	– know where to go for support to meet my family's needs.
625	– keep up friendships for my child and family.
609	– know where to go for support to meet my child's needs.
584	– be more effective in managing my child's behavior.
576	– make changes in family routines that will benefit my child with special needs.
576	– do activities that are good for my child even in times of stress.
570	– improve my family's quality of life.
565	– feel that I can get the services and supports that my child and family need.
563	– get the services that my child and family need.
562	– feel that my family will be accepted and welcomed in the community.
559	– feel more confident in my skills as a parent.
559	– feel that my child will be accepted and welcomed in the community.
556	– communicate more effectively with people who work with my child and family.
553	– understand how the Early Steps system works.
546	– understand the roles of the people who work with my child and family.
539	– know about my child's and family's rights concerning Early Steps services.
534	– be able to evaluate how much progress my child is making.
516	– understand my child's special needs.
498	– feel that my efforts are helping my child.
498	– do things with and for my child that are good for my child's development.

The fact that items have highly stable calibrations (agreeability levels) regardless of the population that is asked to respond to the items is a very important attribute of well-constructed measurement scales. This stability means that items with similar calibrations are, for all intents and purposes, interchangeable. As an example, this is why the SAT is the “same” test each time it is administered, even though it contains different items each time. The score achieved on any particular version of the SAT is comparable to the score achieved on any other version. Thus, a state can change some of the items on the survey from year to year, and still have validly comparable IFS measures across successive years.

Third, a Rasch analysis condenses information from a person’s responses to all the items in a scale into a single number. That number is the person’s measure on the scale. Since the Rasch framework puts measures on the same metric as item calibrations, a person’s measure on a scale can be meaningfully interpreted in terms of the items on the scale. A person with a higher measure is expressing more agreement with items, overall, than a person with a lower measure. When IFS measures from a representative sample of families are aggregated, the average value represents a reliable and highly interpretable measure of the extent to which programs are facilitating family participation.

Fourth, a Rasch analysis yields an estimate of the reliability of both the calibration values (related to the items) and the measures (related to people’s responses). Scientific approaches to measurement require that the amount of “error,” or imprecision, in the system be estimated so that interpretations based on the measures can take this into consideration.

For a more detailed explanation of these concepts, please refer to Bond and Fox (2001) and Wright and Masters (1982).

SECTION 6

Results Pertaining to the Psychometric Properties of the Impact On Family Scale

6.1. Psychometric Properties of the IFS Measures

In assessing the quality of the person-level measures derived from the IFS, it is germane to consider the issues of reliability and validity. The reliability of the obtained IFS measures pertains to the extent to which a particular individual is expected to attain the same IFS measure if the IFS were to be administered to the individual multiple times. That is, reliability concerns the stability of the IFS measure¹ (Crocker & Algina, 1986; Lord, 1980; Traub, 1994); low reliability coincides with a low level of stability, and high reliability coincides with a high level of stability. In contrast to the reliability, the validity of the IFS measures concerns the extent to which they are actually representative of the intended trait (i.e., level of impact on family).² The validity of the IFS measures can be assessed using numerous approaches, several of which are described below.

Statistics used to express measurement reliability range from 0 (indicating a lack of any stability) to 1 (indicating perfect stability). The reliability of the IFS measures for the Florida sample was measured in the Rasch framework to be .92. An alternative approach to estimating the reliability of the IFS measures is to employ Cronbach's alpha, which makes no assumptions about the fit of the responses to any particular model (Cronbach's alpha is based on the simpler true score model, and is commonly used in the behavioral sciences as a model-free index of reliability). The value of Cronbach's alpha was .99, which is consistent with the value of .92 obtained from the Rasch analysis. These results suggest that the measures obtained from the IFS serve as stable measures of the underlying trait.

¹ A definition of reliability that is more theoretically accurate describes reliability as the extent to which a given respondent's measure is determined by random error versus his or her true level of the trait being measured; low reliability coincides with a high level of measurement error, and high reliability coincides with a high low level of measurement error (Crocker & Algina, 1986; Lord, 1980; Traub, 1994).

² This definition of validity is a simplification of the definition now endorsed by the technical measurement community. The contemporary definition of validity describes it as the extent to which evidence and theory support the interpretations of the scale measures entailed by the proposed use of the scale (AERA/APA/NCME, 1999; Osterlind, 2006). That is, the validity of the IFS measures is based on how much evidence we have that the measures support the intended purposes of the use of the measures (i.e., are the measures behaving as they are supposed to behave, and leading to the correct decisions about individuals).

Support for the validity of the measures obtained by the IFS comes from several lines of evidence. First, items for the IFS were developed in consultation with multiple groups of individuals, including parents of children with disabilities, state directors of special education, state early intervention coordinators, district and program personnel, advocates, attorneys, and community representatives, and advocates, with direct and extensive experience related to programs' efforts to encourage family involvement and to ensure that families are active participants in decision-making related to their child's early intervention services. A subsequent review of the items by expert panels, researchers, and NCSEAM's Parent/Family Involvement Workgroup confirmed that the item content maps onto the intended content domain of the IFS. Second, dimensionality analysis (i.e., principal components analysis and factor analysis) indicates that the items of the IFS are all measuring one primary construct, which is likely the intended one, (i.e., positive family outcomes achieved as a result of Early Steps services). A third line of evidence is related to a characteristic of items known as discrimination, discussed in Section 6.2. The high discrimination indices of the IFS items (see Table 15) indicate that the items are providing useful information concerning the construct that is intended to be measured. All of these types of evidence support the claim that the measures obtained using the IFS are valid.

6.2. Psychometric Properties of the IFS Items

Table 15 gives the calibration of each item along with indices of the item's fit to the Rasch model. The column labeled "Item Calibration" provides the value of the location parameter of the item. The higher the value of the item calibration, the greater the overall positive impact of Early Steps services on family outcomes. The "Infit" and "Outfit" columns provide two measures of how well the Rasch model fits the responses provided to each item. In general, values of 1.0 indicate a very good fit. Values approaching 2, or less than 0.5, suggest poorer fit (Bond & Fox, 2001).

The rightmost column of the table presents an index of discrimination for each item, calculated as the corrected item-total correlation coefficient. The values in this column are all quite high (≥ 0.73), indicating that each item is discriminating well between respondents who had more positive versus more negative perceptions of programs' facilitation of family participation.

Table 15. Calibration, Fit, and Discrimination of the IFS Items

Item #	Item Calibration	Infit	Outfit	Discrimination
Q1	678	2.65	2.91	0.73
Q2	656	2.00	2.12	0.78
Q3	570	1.00	1.06	0.84
Q4	609	1.21	1.14	0.84
Q5	640	1.15	1.14	0.86
Q6	563	1.04	0.95	0.84
Q7	559	0.99	1.11	0.85
Q8	625	1.17	1.17	0.85
Q9	576	0.81	0.76	0.86
Q10	584	0.91	0.91	0.85
Q11	576	0.87	0.83	0.86
Q12	565	0.86	0.80	0.86
Q13	553	1.16	1.26	0.84
Q14	534	0.98	0.92	0.86
Q15	559	0.87	0.82	0.86
Q16	562	0.95	0.99	0.85
Q17	556	0.71	0.70	0.87
Q18	546	0.86	0.89	0.87
Q19	539	1.12	1.35	0.86
Q20	498	1.07	0.98	0.85
Q21	516	1.06	1.11	0.84
Q22	498	1.18	1.05	0.84

While Items 1 and 2 (“Over the past year, Early Steps services have helped me and/or my family participate in typical activities for children and families in my community.” and “Over the past year, Early Steps services have helped me and/or my family know about services in the community.”) display a less than ideal level of fit, they nevertheless have strong discrimination index scores, which provide evidence that they are useful items. Therefore, these items appear to be measuring the intended construct relatively well, but are not a very good fit for the Rasch framework, which employs specific assumptions concerning the properties of the items.

SECTION 7

Calibration Methodology for the Impact on Family Scale

The Rasch calibrations of the IFS were conducted using the Winsteps software program. All items were fit using the Rating Scale Model (Wright & Masters, 1982). The metric of the calibration was set by equating the items in relation to the calibrated values obtained by Dr. William Fisher, consultant to NCSEAM, for a large dataset of five states. The mean and logit scale of the current calibration were also set equal to those generated in the larger analysis on five states conducted by Dr. Fisher. These equating procedures were conducted so that the scale measures obtained in the current calibration have equivalent meanings to those of other states' data calibrated by Dr. Fisher.

Based on the analysis of the current data and on the results of Dr. Fisher's combined multi-state analysis, it was decided to combine the response categories "very strongly disagree" and "strongly disagree" into a single category. The rationale for combining the two categories was based on two factors: (a) low response rates (i.e., < 5%) in these two categories making their corresponding threshold parameter estimates relatively unstable, and (b) the two category threshold estimates were not far enough apart to indicate that the two categories served to meaningfully distinguish between individuals having substantially different levels of the trait being measured. As a result, the final analysis was based on a five-category response structure for each item.

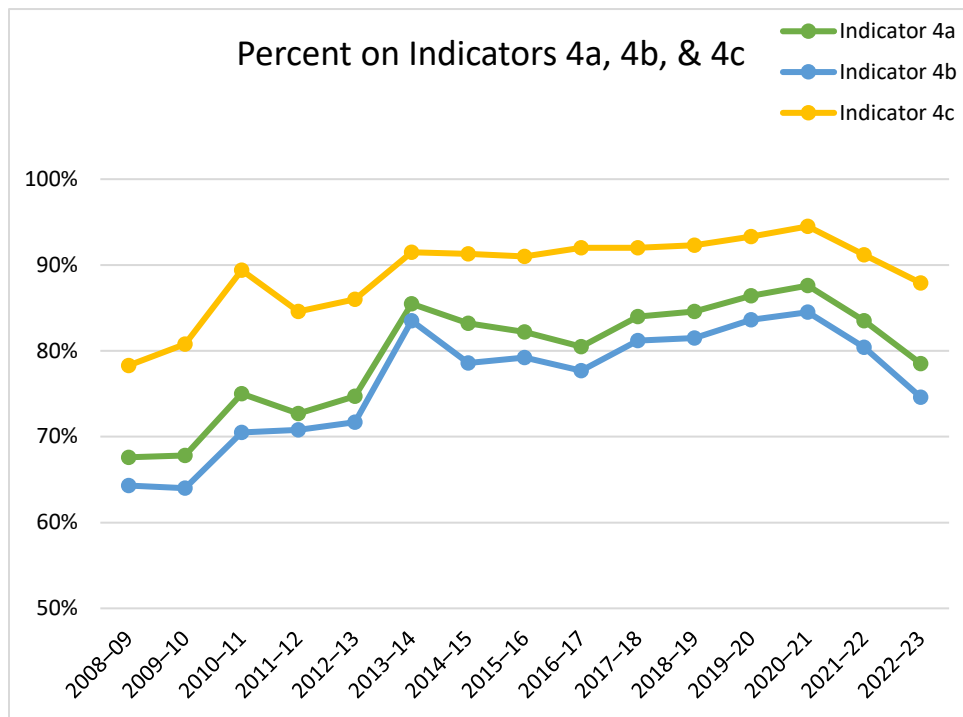
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APPENDIX A: LONGITUDINAL FIGURES

Indicator 4 Percentages 2009–2023


Fiscal Year-End	Indicator 4a	Indicator 4b	Indicator 4c
2008–09	67.6%	64.3%	78.3%
2009–10	67.8%	64.0%	80.8%
2010–11	75.0%	70.5%	89.4%
2011–12	72.7%	70.8%	84.6%
2012–13	74.7%	71.7%	86.0%
2013–14	85.5%	83.5%	91.5%
2014–15	83.2%	78.6%	91.3%
2015–16	82.2%	79.2%	91.0%
2016–17	80.5%	77.7%	92.0%
2017–18	84.0%	81.2%	92.0%
2018–19	84.6%	81.5%	92.3%
2019–20	86.4%	83.6%	93.3%
2020–21	87.6%	84.5%	94.5%
2021–22	83.5%	80.4%	91.2%
2022–23	78.5%	74.6%	87.9%



APPENDIX B: SAMPLE SURVEY




Florida Early Steps Family Survey






This is a survey for families whose children have received Early Steps services. Your responses will help guide efforts to improve services and results for children and families. For each statement below, please select one of the response choices. In responding to each statement, think about your experience and your family's experience with Early Steps services over the past year. You may skip any item that you feel does not apply to your family.

Please visit www.FloridaEarlyStepsFamilySurvey.com or scan the QR code to access the survey online. Use the family access code next to the QR code to log in.



PLINK

Use pencil only 

Fill in circle completely:
Incorrect:  

Very Strongly Disagree

Strongly Disagree

Disagree

Strongly Agree

Very Strongly Agree


Impact of Early Steps Services on Your Family

Over the past year, Early Steps services have helped me and/or my family:

1. - participate in typical activities for children and families in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. - know about services in the community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. - improve my family's quality of life.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. - know where to go for support to meet my child's needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. - know where to go for support to meet my family's needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. - get the services that my child and family need.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. - feel more confident in my skills as a parent.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. - keep up friendships for my child and family.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. - make changes in family routines that will benefit my child with special needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. - be more effective in managing my child's behavior.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11. - do activities that are good for my child even in times of stress.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12. - feel that I can get the services and supports that my child and family need.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please turn page ⇌

Page 1 of 2

17525 

	Very Strongly Disagree	Strongly Disagree	Disagree	Strongly Agree	Very Strongly Agree
Impact of Early Steps Services on Your Family (cont.)					
<i>Over the past year, Early Steps services have helped me and/or my family:</i>					
13. - understand how the Early Steps system works.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14. - be able to evaluate how much progress my child is making.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15. - feel that my child will be accepted and welcomed in the community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16. - feel that my family will be accepted and welcomed in the community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17. - communicate more effectively with the people who work with my child and family.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18. - understand the roles of the people who work with my child and family.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19. - know about my child's and family's rights concerning Early Steps services.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20. - do things with and for my child that are good for my child's development.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
21. - understand my child's special needs.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
22. - feel that my efforts are helping my child.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. Child's Gender <input type="radio"/> Male <input type="radio"/> Female	25. Was your child ever enrolled in Medicaid since they were referred to Early Steps? <input type="radio"/> Yes <input type="radio"/> No				
24. Child's Race (Check all that apply) <input type="radio"/> Hispanic/Latino <input type="radio"/> Black or African American <input type="radio"/> White <input type="radio"/> Asian <input type="radio"/> Native Hawaiian or Other Pacific Islander <input type="radio"/> American Indian or Alaska Native	26. Where did you complete the survey? <input type="radio"/> In your home <input type="radio"/> In the community <input type="radio"/> At an Early Steps event <input type="radio"/> At an Early Steps meeting or appointment				
<p>If you would like to share more of your personal experience in Early Steps, you may contact: CMS.EarlyStepsFamilySurvey@flhealth.gov</p> <p>Thank you for your participation.</p>					



APPENDIX C: RESPONSE FREQUENCIES BY ITEM

Q1 - Over the past year, Early Steps have helped me and/or my family participate in typical activities for children and families in my community.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	50	3.3	3.3	3.3
	Strongly Disagree	27	1.8	1.8	5.2
	Disagree	153	10.1	10.2	15.4
	Agree	444	29.2	29.7	45.1
	Strongly Agree	294	19.4	19.7	64.7
	Very Strongly Agree	527	34.7	35.3	100.0
	Total	1495	98.5	100.0	
Missing	System	23	1.5		
Total		1518	100.0		

Q2 - Over the past year, Early Steps have helped me and/or my family know about services in the community.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	49	3.2	3.3	3.3
	Strongly Disagree	22	1.4	1.5	4.7
	Disagree	117	7.7	7.8	12.5
	Agree	457	30.1	30.3	42.8
	Strongly Agree	334	22.0	22.2	65.0
	Very Strongly Agree	527	34.7	35.0	100.0
	Total	1506	99.2	100.0	
Missing	System	12	.8		
Total		1518	100.0		

Q3 - Over the past year, Early Steps have helped me and/or my family improve my family's quality of life.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	39	2.6	2.6	2.6
	Strongly Disagree	13	.9	.9	3.5
	Disagree	45	3.0	3.0	6.5
	Agree	404	26.6	26.9	33.3
	Strongly Agree	332	21.9	22.1	55.4
	Very Strongly Agree	670	44.1	44.6	100.0
Total	1503	99.0	100.0		
Missing	System	15	1.0		
Total		1518	100.0		

Q4 - Over the past year, Early Steps have helped me and/or my family know where to go for support to meet my child's needs.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	42	2.8	2.8	2.8
	Strongly Disagree	20	1.3	1.3	4.1
	Disagree	82	5.4	5.4	9.6
	Agree	379	25.0	25.2	34.8
	Strongly Agree	335	22.1	22.3	57.0
	Very Strongly Agree	647	42.6	43.0	100.0
	Total	1505	99.1	100.0	
Missing	System	13	.9		
Total		1518	100.0		

Q5 - Over the past year, Early Steps have helped me and/or my family know where to go for support to meet my family's needs.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	42	2.8	2.8	2.8
	Strongly Disagree	21	1.4	1.4	4.2
	Disagree	99	6.5	6.6	10.8
	Agree	430	28.3	28.7	39.6
	Strongly Agree	313	20.6	20.9	60.5
	Very Strongly Agree	591	38.9	39.5	100.0
	Total	1496	98.6	100.0	
Missing	System	22	1.4		
Total		1518	100.0		

Q6 - Over the past year, Early Steps have helped me and/or my family get the services that my child and family need.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	50	3.3	3.3	3.3
	Strongly Disagree	22	1.4	1.5	4.8
	Disagree	52	3.4	3.5	8.2
	Agree	373	24.6	24.8	33.0
	Strongly Agree	295	19.4	19.6	52.6
	Very Strongly Agree	714	47.0	47.4	100.0
	Total	1506	99.2	100.0	
Missing	System	12	.8		
Total		1518	100.0		

Q7 - Over the past year, Early Steps have helped me and/or my family feel more confident in my skills as a parent.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	42	2.8	2.8	2.8
	Strongly Disagree	21	1.4	1.4	4.2
	Disagree	50	3.3	3.3	7.5
	Agree	392	25.8	26.0	33.5
	Strongly Agree	352	23.2	23.4	56.9
	Very Strongly Agree	650	42.8	43.1	100.0
	Total	1507	99.3	100.0	
Missing	System	11	.7		
Total		1518	100.0		

Q8 - Over the past year, Early Steps have helped me and/or my family keep up friendships for my child and family.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	43	2.8	2.9	2.9
	Strongly Disagree	20	1.3	1.3	4.3
	Disagree	131	8.6	8.8	13.1
	Agree	433	28.5	29.2	42.3
	Strongly Agree	284	18.7	19.2	61.5
	Very Strongly Agree	571	37.6	38.5	100.0
	Total	1482	97.6	100.0	
Missing	System	36	2.4		
Total		1518	100.0		

Q9 - Over the past year, Early Steps have helped me and/or my family make changes in family routines that will benefit my child with special needs.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	39	2.6	2.6	2.6
	Strongly Disagree	15	1.0	1.0	3.6
	Disagree	52	3.4	3.5	7.0
	Agree	383	25.2	25.4	32.4
	Strongly Agree	350	23.1	23.2	55.7
	Very Strongly Agree	668	44.0	44.3	100.0
	Total	1507	99.3	100.0	
Missing	System	11	.7		
Total		1518	100.0		

Q10 - Over the past year, Early Steps have helped me and/or my family be more effective in managing my child's behavior.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	45	3.0	3.0	3.0
	Strongly Disagree	18	1.2	1.2	4.2
	Disagree	60	4.0	4.0	8.2
	Agree	403	26.5	26.8	35.0
	Strongly Agree	318	20.9	21.2	56.2
	Very Strongly Agree	658	43.3	43.8	100.0
	Total	1502	98.9	100.0	
Missing	System	16	1.1		
Total		1518	100.0		

Q11 - Over the past year, Early Steps have helped me and/or my family do activities that are good for my child even in times of stress.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	39	2.6	2.6	2.6
	Strongly Disagree	15	1.0	1.0	3.6
	Disagree	66	4.3	4.4	8.0
	Agree	387	25.5	25.8	33.8
	Strongly Agree	331	21.8	22.1	55.9
	Very Strongly Agree	661	43.5	44.1	100.0
	Total	1499	98.7	100.0	
Missing	System	19	1.3		
Total		1518	100.0		

Q12 - Over the past year, Early Steps have helped me and/or my family feel that I can get the services and supports that my child and family need.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	52	3.4	3.5	3.5
	Strongly Disagree	27	1.8	1.8	5.3
	Disagree	51	3.4	3.4	8.7
	Agree	388	25.6	25.9	34.6
	Strongly Agree	292	19.2	19.5	54.0
	Very Strongly Agree	689	45.4	46.0	100.0
	Total	1499	98.7	100.0	
Missing	System	19	1.3		
Total		1518	100.0		

Q13 - Over the past year, Early Steps have helped me and/or my family understand how the Early Steps system works.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	49	3.2	3.2	3.2
	Strongly Disagree	24	1.6	1.6	4.8
	Disagree	44	2.9	2.9	7.7
	Agree	417	27.5	27.6	35.3
	Strongly Agree	322	21.2	21.3	56.6
	Very Strongly Agree	657	43.3	43.4	100.0
	Total	1513	99.7	100.0	
Missing	System	5	.3		
Total		1518	100.0		

Q14 - Over the past year, Early Steps have helped me and/or my family be able to evaluate how much progress my child is making.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	43	2.8	2.9	2.9
	Strongly Disagree	18	1.2	1.2	4.0
	Disagree	60	4.0	4.0	8.0
	Agree	376	24.8	25.0	33.0
	Strongly Agree	322	21.2	21.4	54.3
	Very Strongly Agree	688	45.3	45.7	100.0
	Total	1507	99.3	100.0	
Missing	System	11	.7		
Total		1518	100.0		

Q15 - Over the past year, Early Steps have helped me and/or my family feel that my child will be accepted and welcomed in the community.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	37	2.4	2.5	2.5
	Strongly Disagree	9	.6	.6	3.1
	Disagree	53	3.5	3.5	6.6
	Agree	406	26.7	27.0	33.6
	Strongly Agree	324	21.3	21.6	55.2
	Very Strongly Agree	672	44.3	44.8	100.0
	Total	1501	98.9	100.0	
Missing	System	17	1.1		
Total		1518	100.0		

Q16 - Over the past year, Early Steps have helped me and/or my family feel that my family will be accepted and welcomed in the community.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	38	2.5	2.5	2.5
	Strongly Disagree	13	.9	.9	3.4
	Disagree	52	3.4	3.5	6.9
	Agree	437	28.8	29.3	36.2
	Strongly Agree	295	19.4	19.8	55.9
	Very Strongly Agree	658	43.3	44.1	100.0
	Total	1493	98.4	100.0	
Missing	System	25	1.6		
Total		1518	100.0		

Q17 - Over the past year, Early Steps have helped me and/or my family communicate more effectively with people who work with my child and family.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	43	2.8	2.9	2.9
	Strongly Disagree	15	1.0	1.0	3.9
	Disagree	49	3.2	3.3	7.1
	Agree	388	25.6	25.9	33.0
	Strongly Agree	315	20.8	21.0	54.1
	Very Strongly Agree	688	45.3	45.9	100.0
	Total	1498	98.7	100.0	
Missing	System	20	1.3		
Total		1518	100.0		

Q18 - Over the past year, Early Steps have helped me and/or my family understand the roles of the people who work with my child and family.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	40	2.6	2.7	2.7
	Strongly Disagree	10	.7	.7	3.3
	Disagree	48	3.2	3.2	6.5
	Agree	411	27.1	27.4	33.9
	Strongly Agree	330	21.7	22.0	55.9
	Very Strongly Agree	662	43.6	44.1	100.0
	Total	1501	98.9	100.0	
Missing	System	17	1.1		
Total		1518	100.0		

Q19 - Over the past year, Early Steps have helped me and/or my family know about my child's and family's rights concerning Early Steps services.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	50	3.3	3.3	3.3
	Strongly Disagree	14	.9	.9	4.3
	Disagree	48	3.2	3.2	7.5
	Agree	425	28.0	28.3	35.7
	Strongly Agree	309	20.4	20.6	56.3
	Very Strongly Agree	657	43.3	43.7	100.0
	Total	1503	99.0	100.0	
Missing	System	15	1.0		
Total		1518	100.0		

Q20 - Over the past year, Early Steps have helped me and/or my family do things with and for my child that are good for my child's development.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	34	2.2	2.3	2.3
	Strongly Disagree	11	.7	.7	3.0
	Disagree	33	2.2	2.2	5.2
	Agree	349	23.0	23.2	28.4
	Strongly Agree	316	20.8	21.0	49.5
	Very Strongly Agree	759	50.0	50.5	100.0
	Total	1502	98.9	100.0	
Missing	System	16	1.1		
Total		1518	100.0		

Q21 - Over the past year, Early Steps have helped me and/or my family understand my child's special needs.

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	39	2.6	2.6	2.6
	Strongly Disagree	14	.9	.9	3.5
	Disagree	43	2.8	2.9	6.4
	Agree	361	23.8	24.1	30.5
	Strongly Agree	292	19.2	19.5	49.9
	Very Strongly Agree	751	49.5	50.1	100.0
	Total	1500	98.8	100.0	
Missing	System	18	1.2		
Total		1518	100.0		

Q22 - Over the past year, Early Steps have helped me and/or my family feel that my efforts are helping my child.					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very Strongly Disagree	38	2.5	2.5	2.5
	Strongly Disagree	12	.8	.8	3.3
	Disagree	42	2.8	2.8	6.1
	Agree	346	22.8	23.0	29.1
	Strongly Agree	297	19.6	19.7	48.8
	Very Strongly Agree	772	50.9	51.2	100.0
	Total	1507	99.3	100.0	
Missing	System	11	.7		
Total		1518	100.0		

Data analysis conducted by Randall D. Penfield, Ph.D.
Report generated by Piedra Data Services

For questions regarding this report, please contact Piedra Data Services at
(305) 254-9986.