

*A National Picture:
Indicator C4 Family Data for
FFY 2014*

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December 13, 2015

Purpose of Today's Webinar

- To share & discuss Part C APR Indicator 4 national data for FFY 2014-2015
- To review the family indicator data quality profiles
- To highlight key resources related to family data & family outcomes

Part C APR Indicator 4

Percent of families who report that early intervention services have helped the family...

(A) ...know their rights

(B) ...effectively communicate their children's needs

(C) ...help their children develop and learn

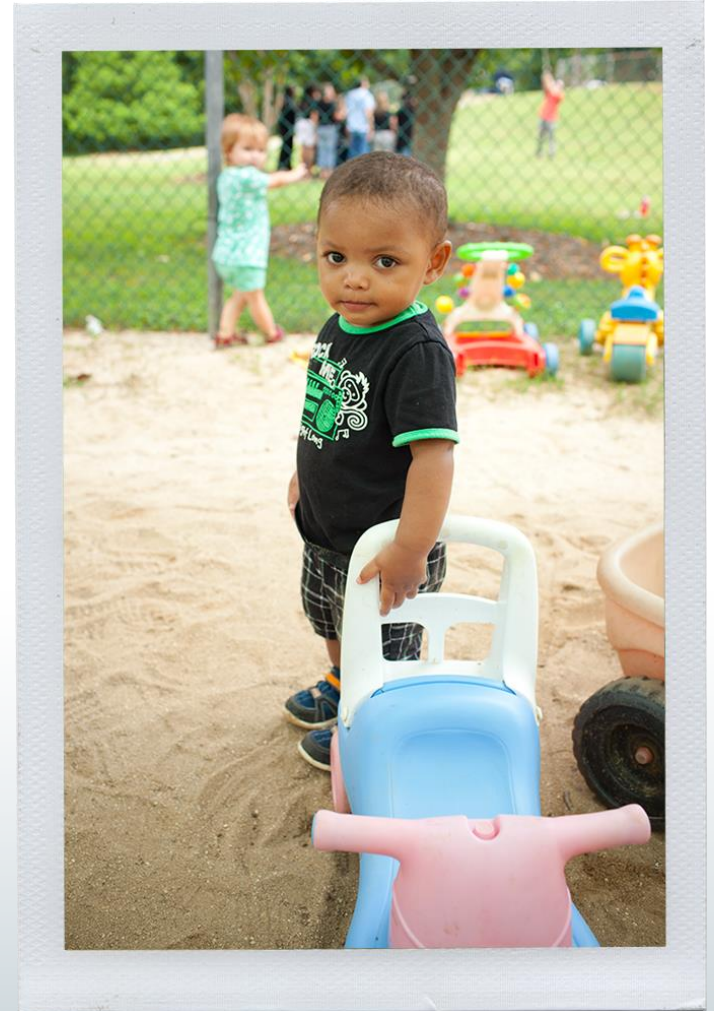


What Data are Included?

- Data from states' February, 2016 APR submission
 - Federal Fiscal Year (FFY) 2014
 - School year 2014-2015
- All 56 states & jurisdictions
- Quantitative data as reported by OSEP
- Additional ECTA coding & analyses
- Caveat on missing data

APR Data Topics for Today

- State Approaches
 - Surveys used
 - Family populations surveyed
 - Dissemination and return methodologies
- Data Quality
 - Response rates
 - Representativeness
- Performance Data
 - Current year
 - Trends over time
 - By survey used



State Approaches: Surveys Used

- NCSEAM (17 states, 30%)
- FOS-Revised (12 states, 21%)
- FOS –original (12 states, 21%)
- State-developed (8 states, 14%)
- Not reported or unclear (7 states, 13%)

State Approaches: Family populations surveyed

- Family subgroups
 - All families in program: 25 states
 - Greater than six months of services: 18 states
 - Other: 4 states
 - Not reported/ unclear: 9 states
- Census vs sampling
 - Census: 45 states
 - Sampling: 11 states



Dissemination and Return Methodologies

- Dissemination Methodologies (n=56)
 - Mailed: 12 states
 - In-person: 12 states
 - Multiple methods: 14 states
 - Not reported/unclear: 18 states
- Return Methodologies (n=56)
 - Multiple methods: 25 state
 - Mailed: 6 states
 - Not reported/ unclear: 25 states
- Online option: 22 states (39%)



State Approaches: Survey Timing

- Reported timing of surveys
 - Annual survey/ point in time: 23 states
 - At child's exit: 8 states
 - At annual IFSP: 6 states
 - Other: 3 states (e.g. multiple survey groups)
 - Not reported or unclear: 16 states

Survey Response Rates

- Forty-three states (77%) reported a response rate.
- Response rates ranged from 11.3% to 100%.
- Mean response rate = 35.3%.

Survey Distribution Method	Average response rate	Number of states
In-person distribution	50.2%	12
Multiple distribution methods (two or more methods)	44.2%	16
Mailed-only distribution	25.1%	12

Data Quality:

Representativeness of Family Data

- Variables analyzed by states
 - Race/ethnicity
 - Geographic variables (district, county, region)
 - Child's gender
 - Child's age (at time of survey, at referral)
 - Others: disability/eligibility categories, length of time in services, income, primary language

Data Quality: Representativeness of Family Data

Representativeness of data: State determination

- Yes (49 states)
- No (5 states)
- Missing (2 state)

Comparison data used:

- Program Data (24 states)
- 618 Data Tables (12 states)
- Not reported (16 states)
- Other (4 states)



Showing State Data in the APR

- What analyses did we see?
 - Reported performance and response rate data by subgroup: 2 states
 - Reported performance data by subgroup: 3 states
 - Reported response rate data by subgroup: 21 states
 - Did not report any data by subgroup: 30 states

Performance
Data
FFY 2014

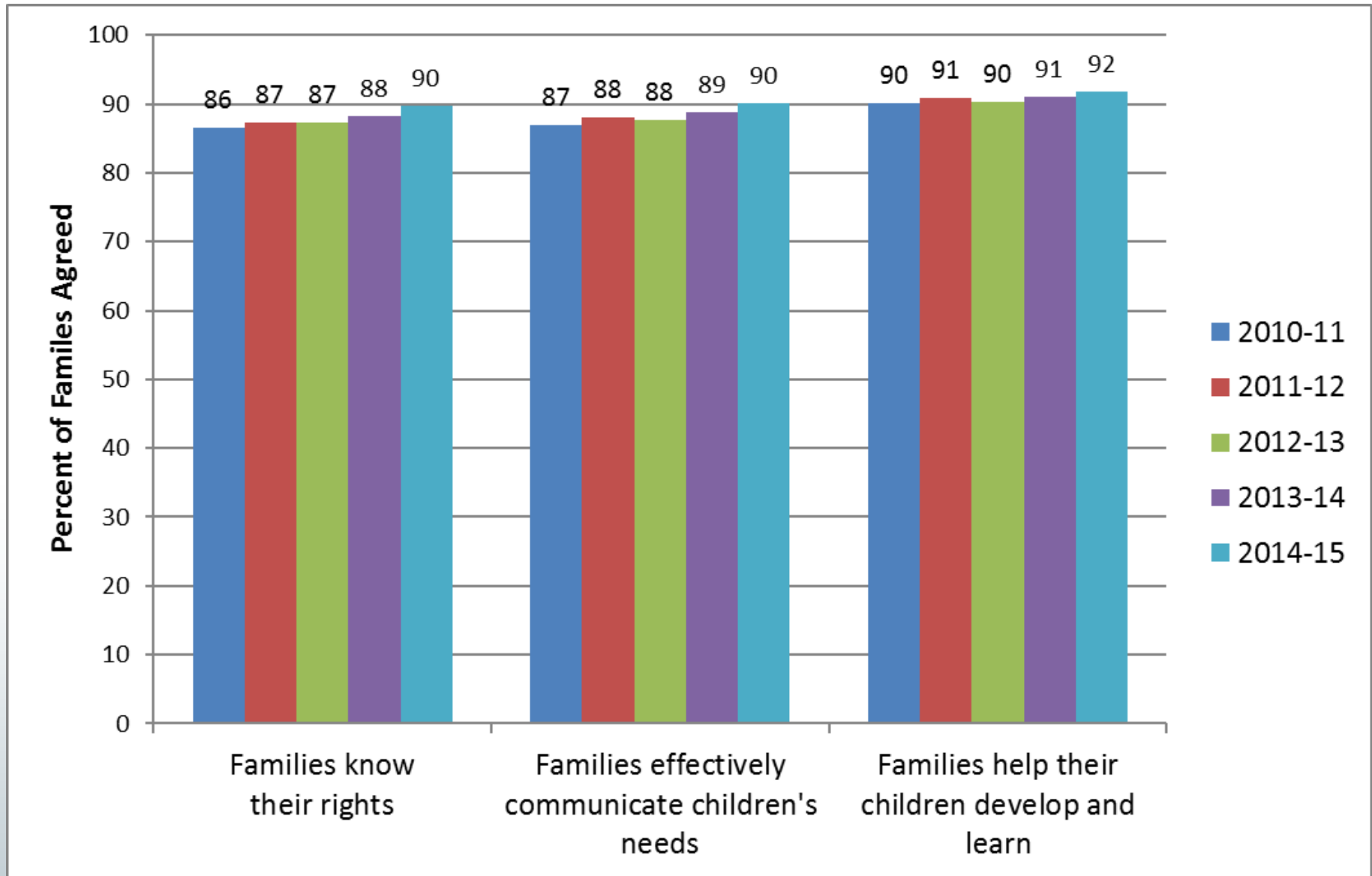


FFY 2014 Performance

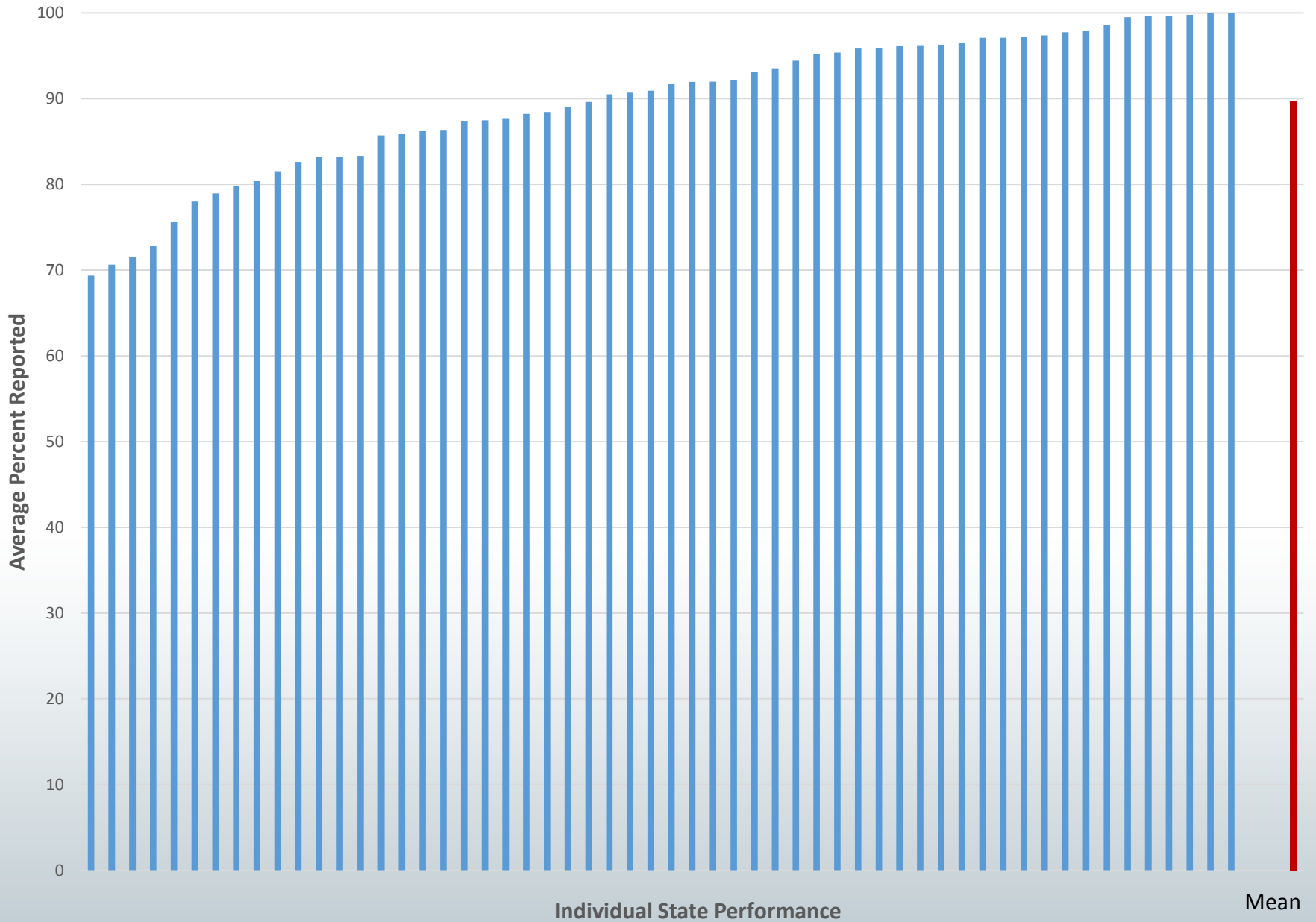
Percent of families who report that early intervention services have helped the family...

- A. ...know their rights: **89.7%**
- B. ...effectively communicate their children's needs: **90.1%**
- C. ...help their children develop and learn: **91.8%**

FFY 2014 Performance Trends over Time

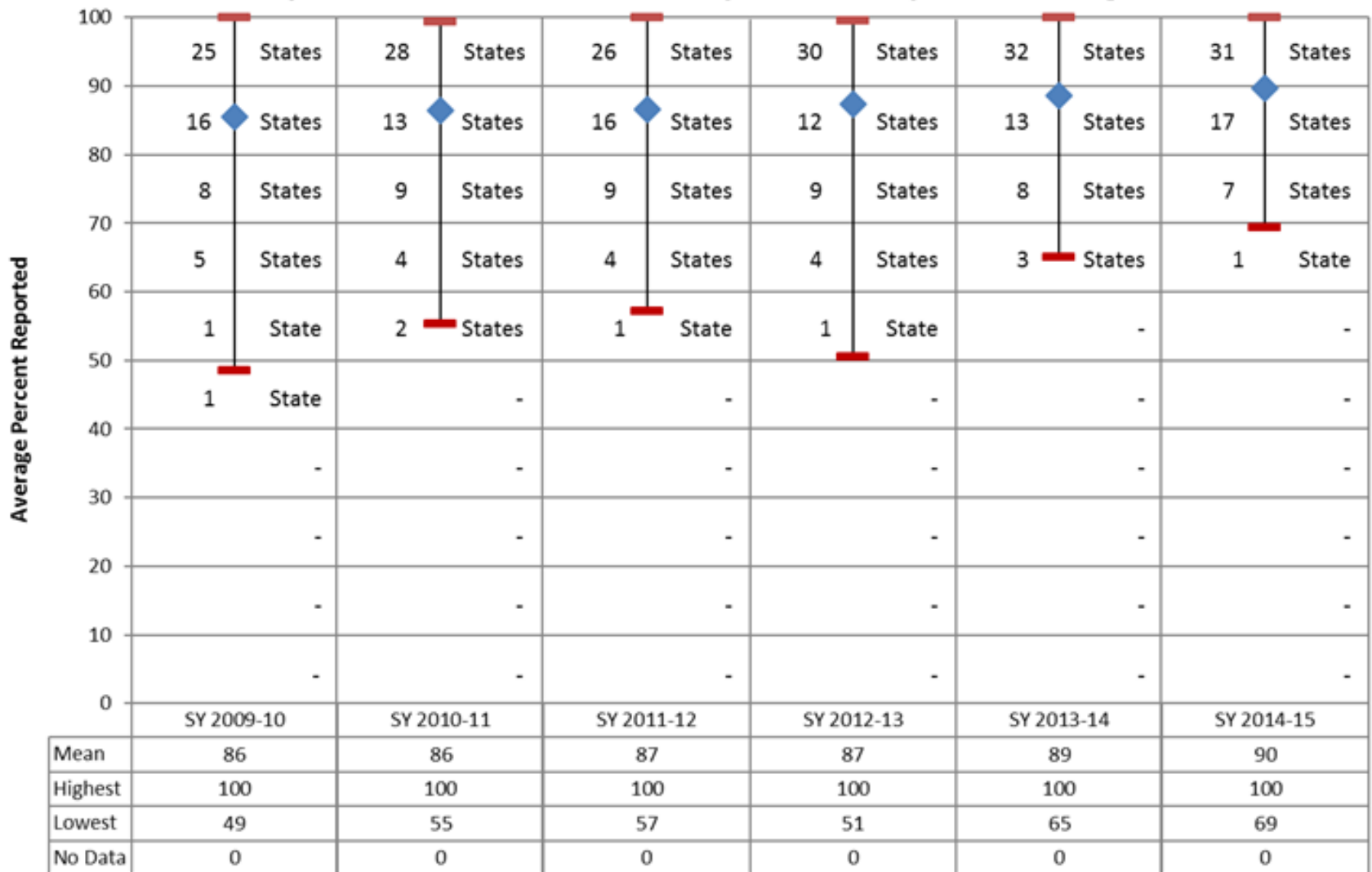


Indicator 4A: Performance by State

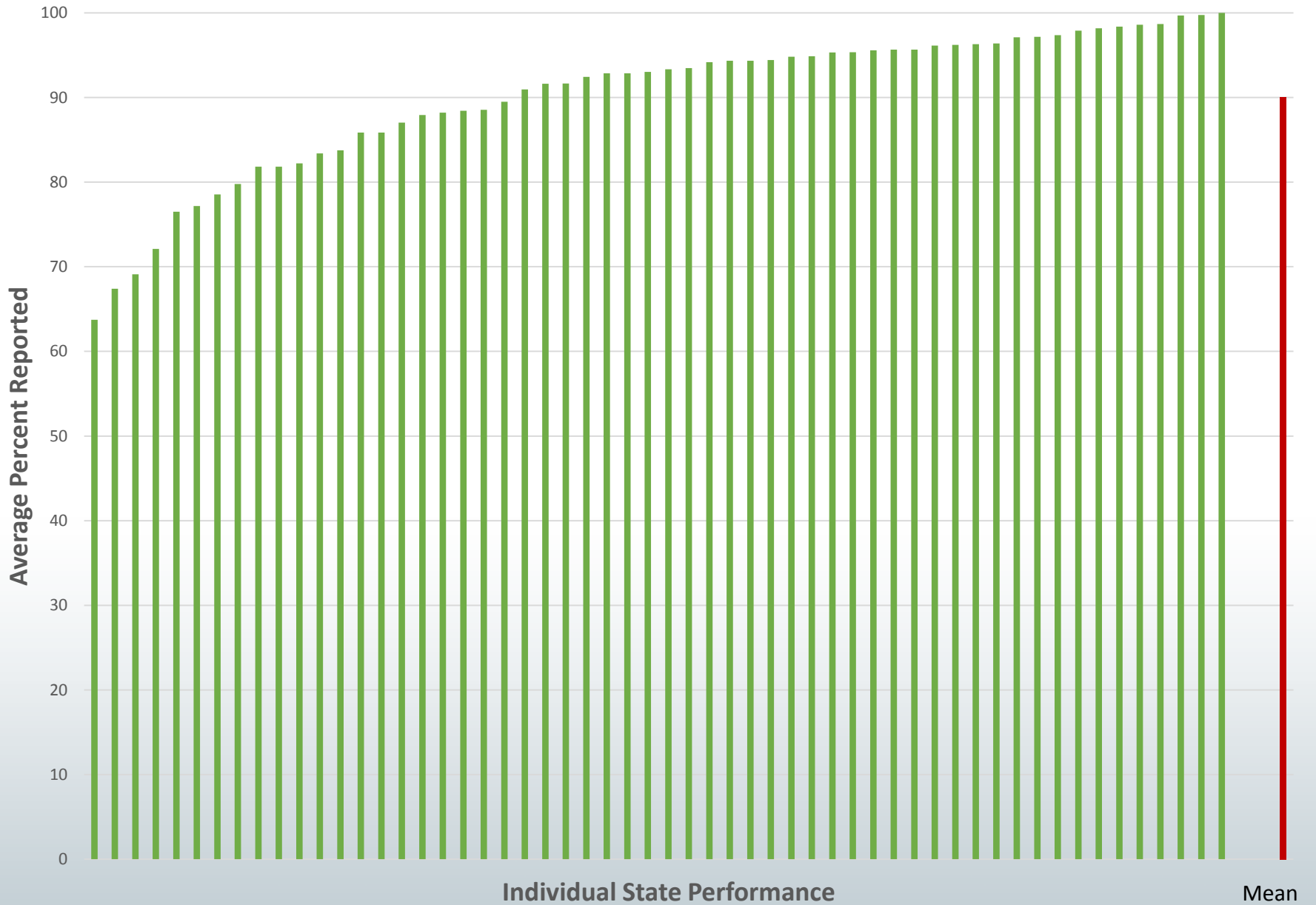


Trends - Six Years of Indicator 4A Data

Early intervention services have helped the family know their rights

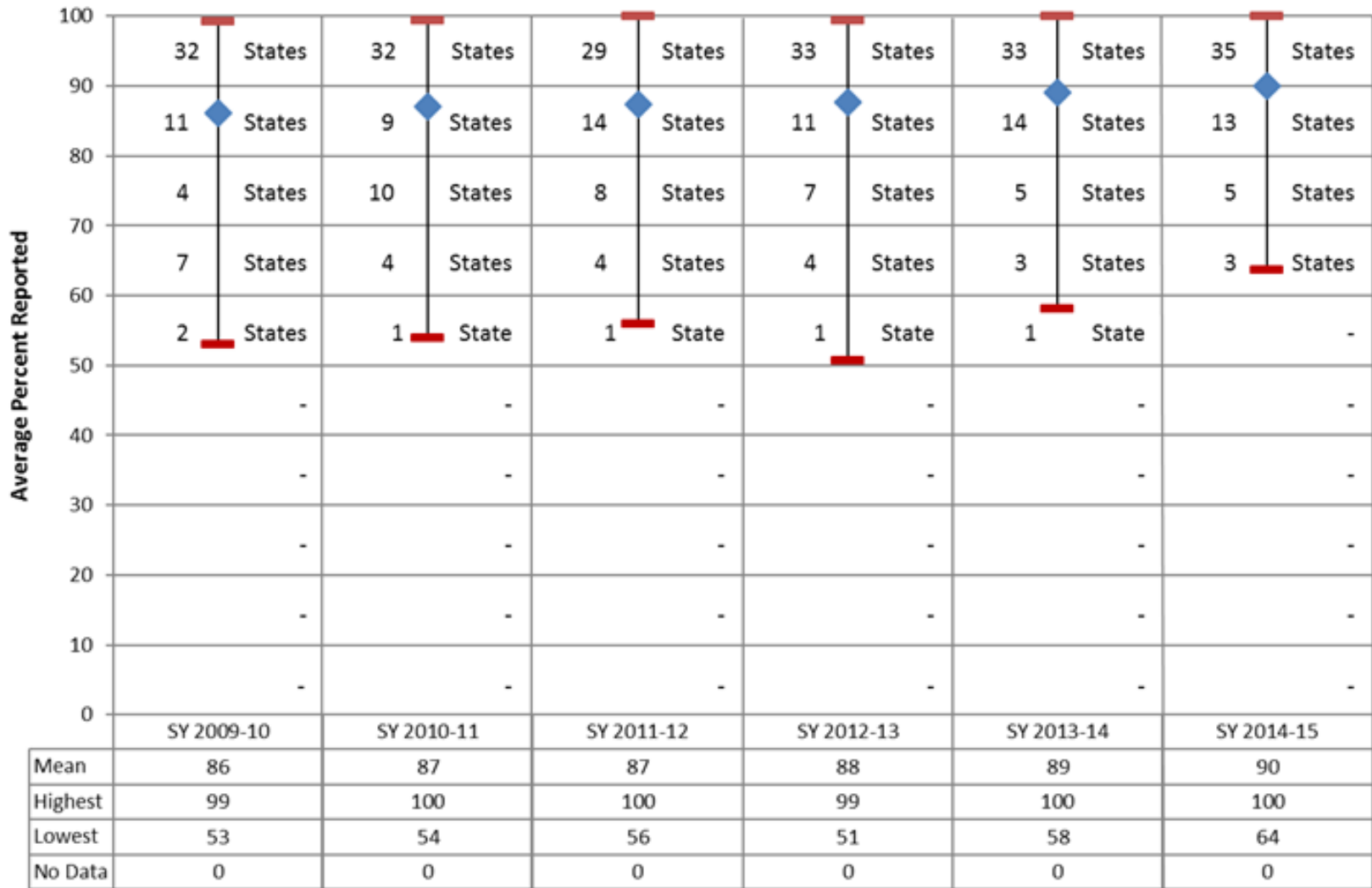


Indicator 4B: Performance by State

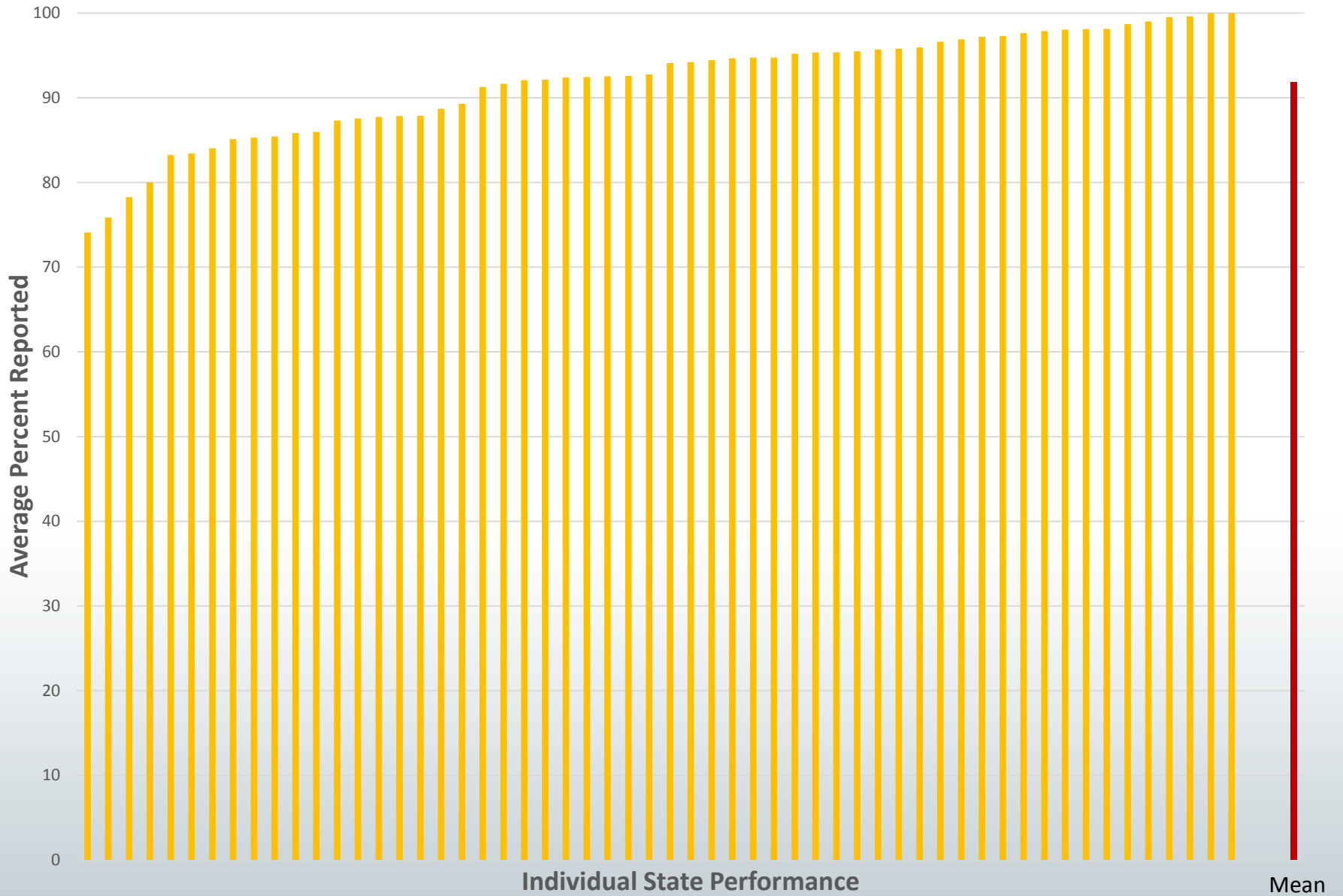


Trends - Six Years of Indicator 4B Data

Early intervention helped the family effectively communicate their children's needs

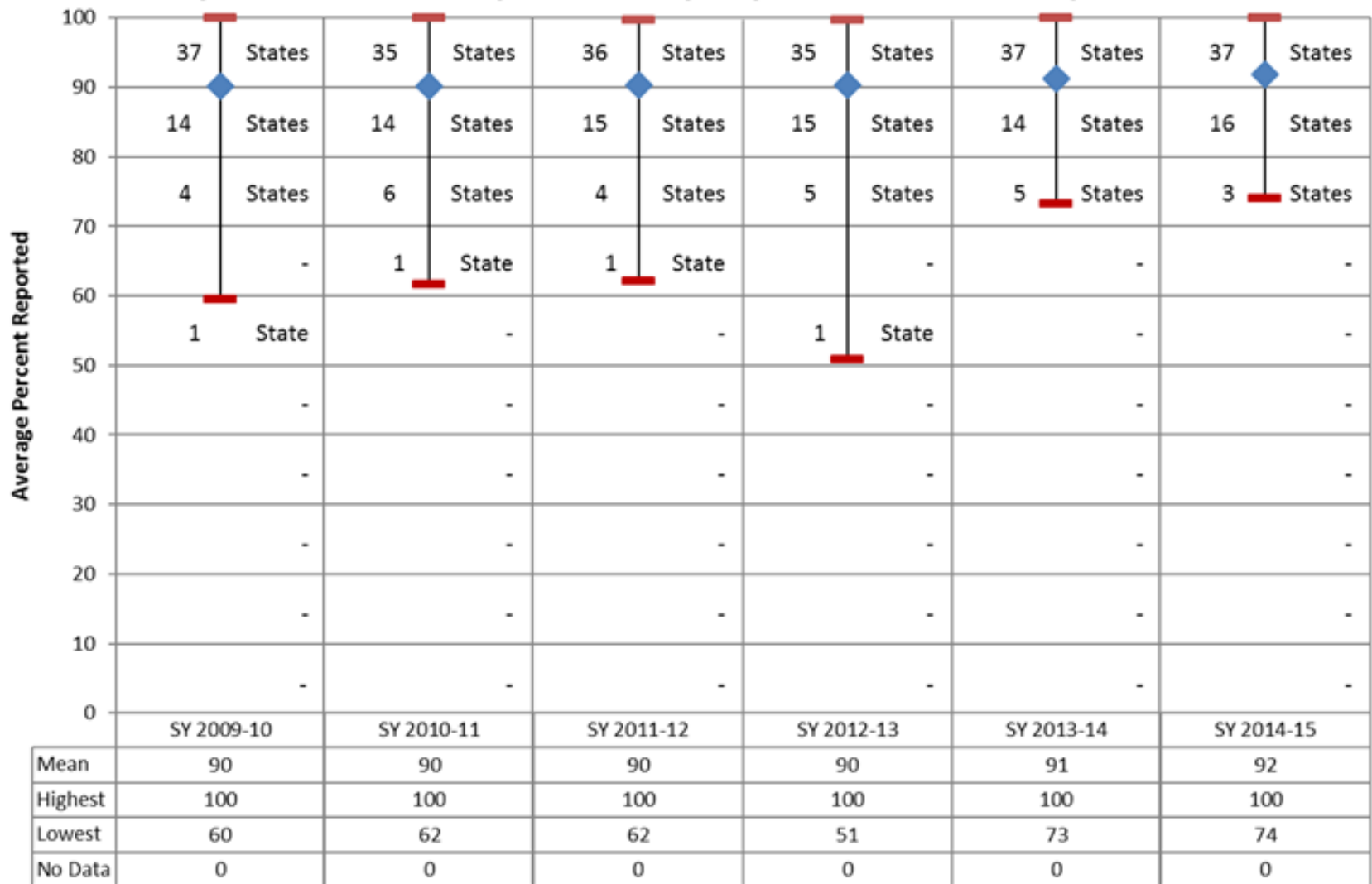


Indicator 4C: Performance by State

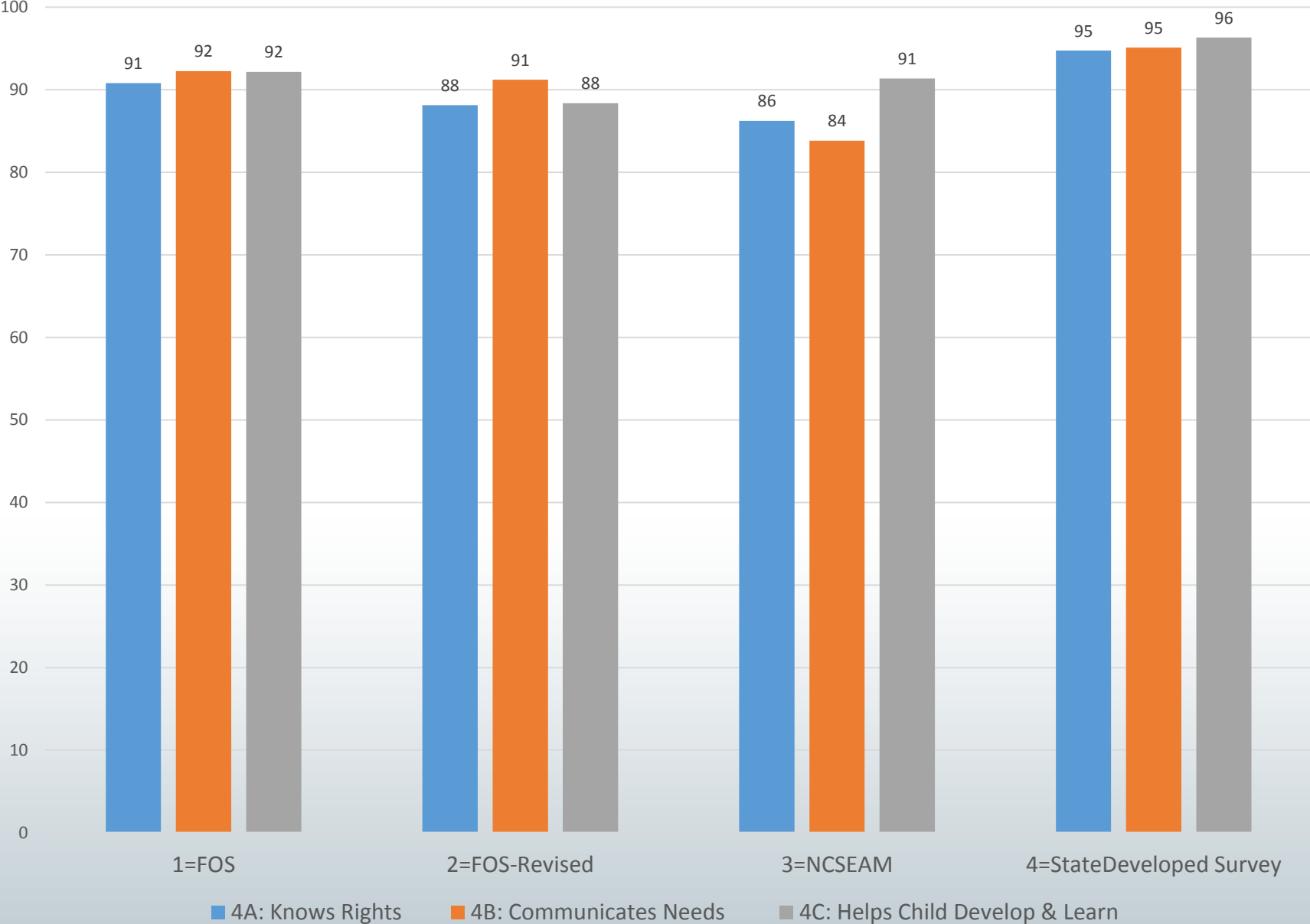


Trends - Six Years of Indicator 4C Data

Early intervention has helped the family help their children develop and learn



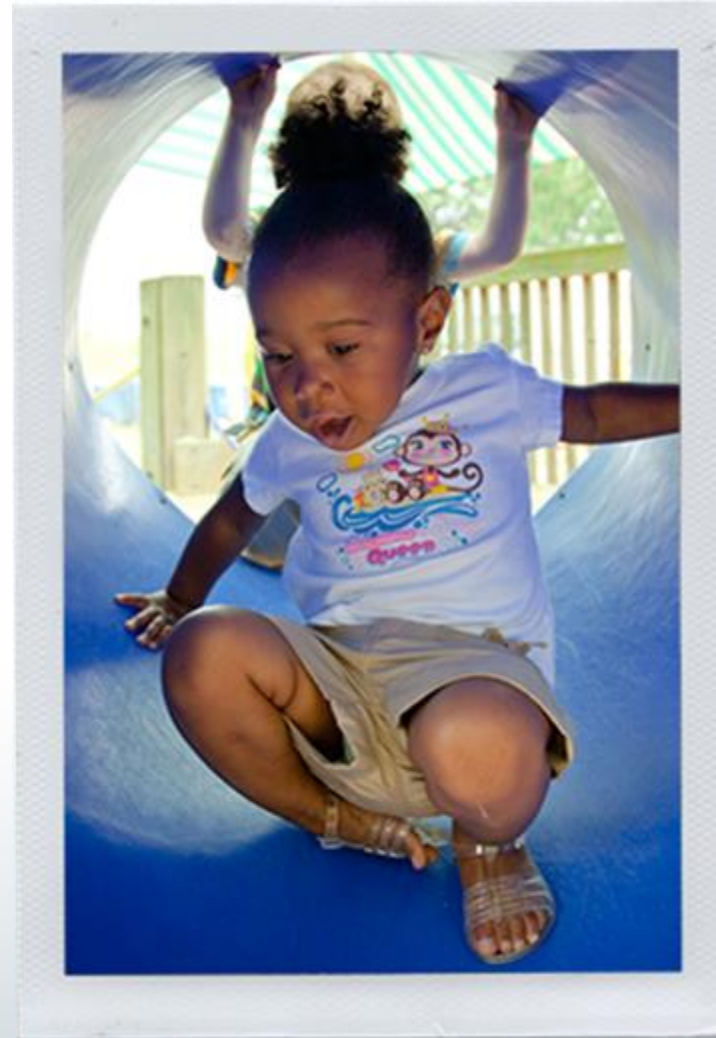
FFY 2014 Performance by Survey Used



Promising Practices

- Improving response rates and representativeness
 - Adding follow up strategies to subgroups to increase response rates
 - Adding Quick Response (QR) reader codes so families could complete surveys on their phones
 - Requiring local improvement strategies to meet response rate targets
- Sharing data back with families (newsletters, flyers, etc.)
- Collaborations with Parent Centers/ PTIs

Family Data Quality Profiles



State Data Quality Profiles for C4 Family Data FFY 2014-15

Family Outcomes Profile: Approach Information, Survey Methodology, Data Quality, and Performance Trends State 2014-2015

This summary contains information for APRs (APR).

Updated information about how you will help ECTA provide high-quality data will help you to provide organizing financial resources and further support.

The profile is divided into three sections:

- I. Approach information and survey methodology
- II. Data quality
- III. Performance trends

I. Approach Information and Survey Methodology

- Survey used for C4: FOS
- Sampling method: Survey research
- Timing: Ongoing
- Family population: All family
- Sampling frame: NA
- Sampling type: NA
- Coverage: National
- Data support: Multiple
- Data source: Key

II. Data Quality

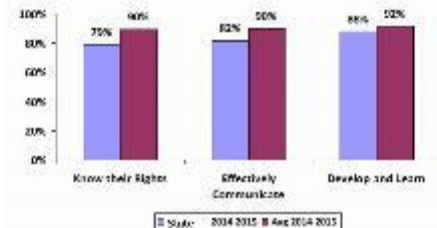
This section reports the response rates and representativeness of subgroups. It also provides key issues or measurement approaches to the quality of their data, including response rates and proportions of respondents within various subgroups. Many factors impact survey response patterns often differ among subgroups (e.g., those from different geographic regions, those having different family reading levels, etc.).

- Survey response rate: 84.4% (2 average response rate across all 49 counties in FFY 2014-2015)
- Survey response rate by category: Key
- Survey response rate by race/ethnicity: Yes
- Generalized data used for the response rate across counties: No
- Survey response rate by age: No
- Survey response rate by gender: No
- Survey response rate by education level: No
- Survey response rate by income level: No
- Survey response rate by language: No
- Survey response rate by disability: No
- Survey response rate by housing status: No
- Survey response rate by marital status: No
- Survey response rate by employment status: No
- Survey response rate by household size: No
- Survey response rate by household type: No
- Survey response rate by household structure: No
- Survey response rate by household type: No
- Survey response rate by household structure: No
- Survey response rate by household type: No
- Survey response rate by household structure: No

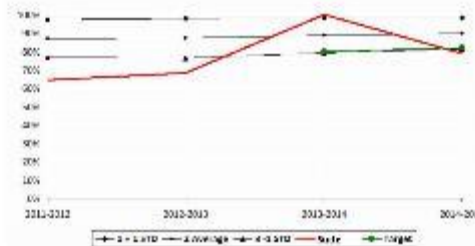
III. Performance Trends

- Survey response rate by category: Key

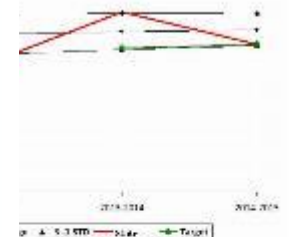
Part C Indicator 4: National Average Compared to State



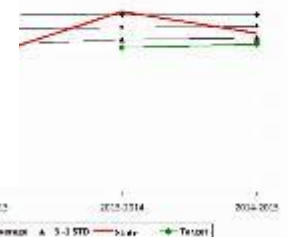
Part C Indicator 4: Know their Rights



Part C Indicator 4: Effectively Communicate



Part C Indicator 4: Develop and Learn



Overview of the Family Data Quality Profiles

- Summary of information related to C4 data that was gathered from each state's APR or SPP for FFY 2014-15
- Distributed by ECTA state liaison's last week
 - Sent to Part C coordinator
- Three main sections
 - Approach information and survey methodology
 - Data quality
 - Performance trends
- **PLEASE** contact Siobhan or Melissa if anything is incorrect and needs to be updated!

Approach Information and Survey Methodology

- Variables reported
 - Survey used
 - Scoring metric
 - Survey timing
 - Family population
 - State sampling
 - Sampling type
 - Distribution method
 - Return method
 - Online version available

Data Quality

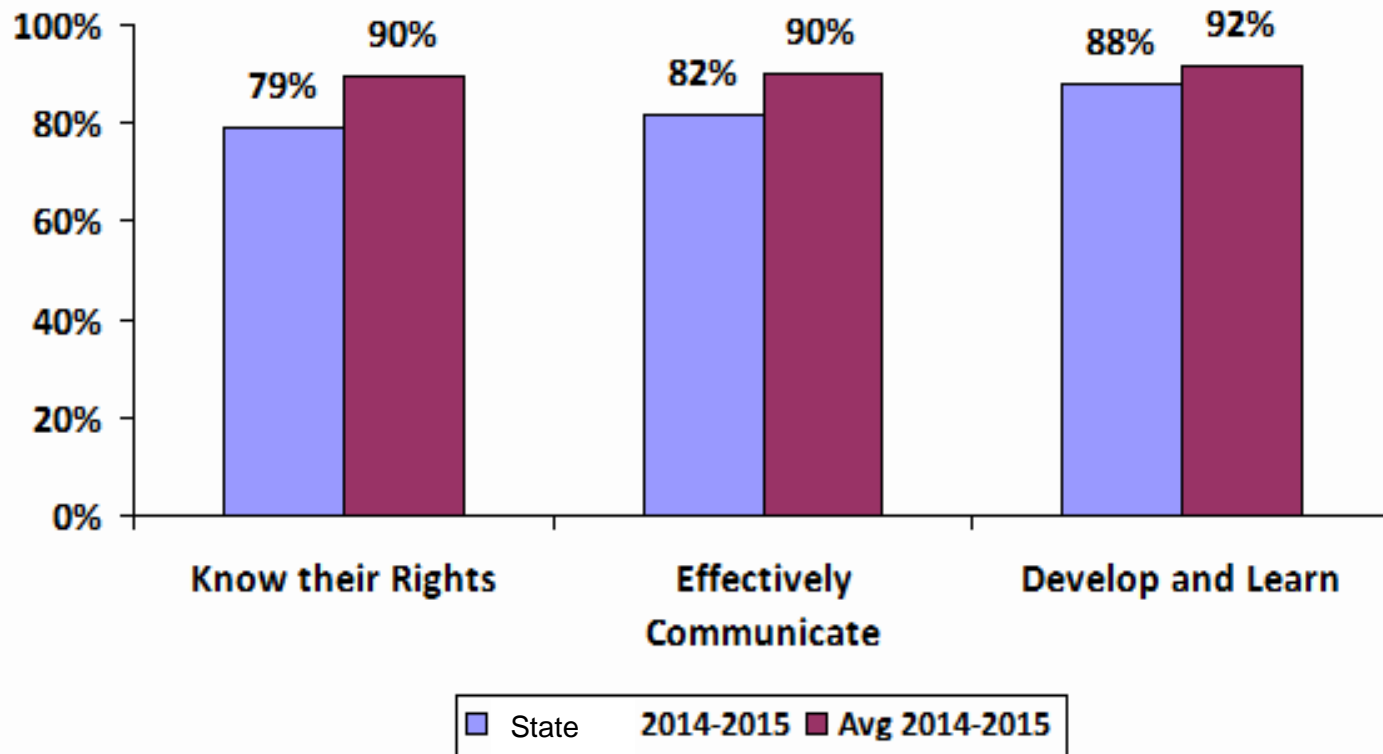
- Response rate
 - Response rate: Both state and national average
 - State analyzed response rates by subgroup
- Representativeness
 - State reported data were representative
 - Comparison data used to determine representativeness
 - State examined subgroups to determine representativeness
 - Variables used to determine representativeness
 - State's comments about representativeness

Data Quality

- Importance of both response rate and representativeness
 - Response rate: Percentage of surveys returned
 - Representativeness: Determination of whether there are difference between the types of families who returned and didn't return the survey
- Multiple levels of specificity
 - Whether or not it was examined
 - Reported on variables used in analysis
 - Results of analyses are reported

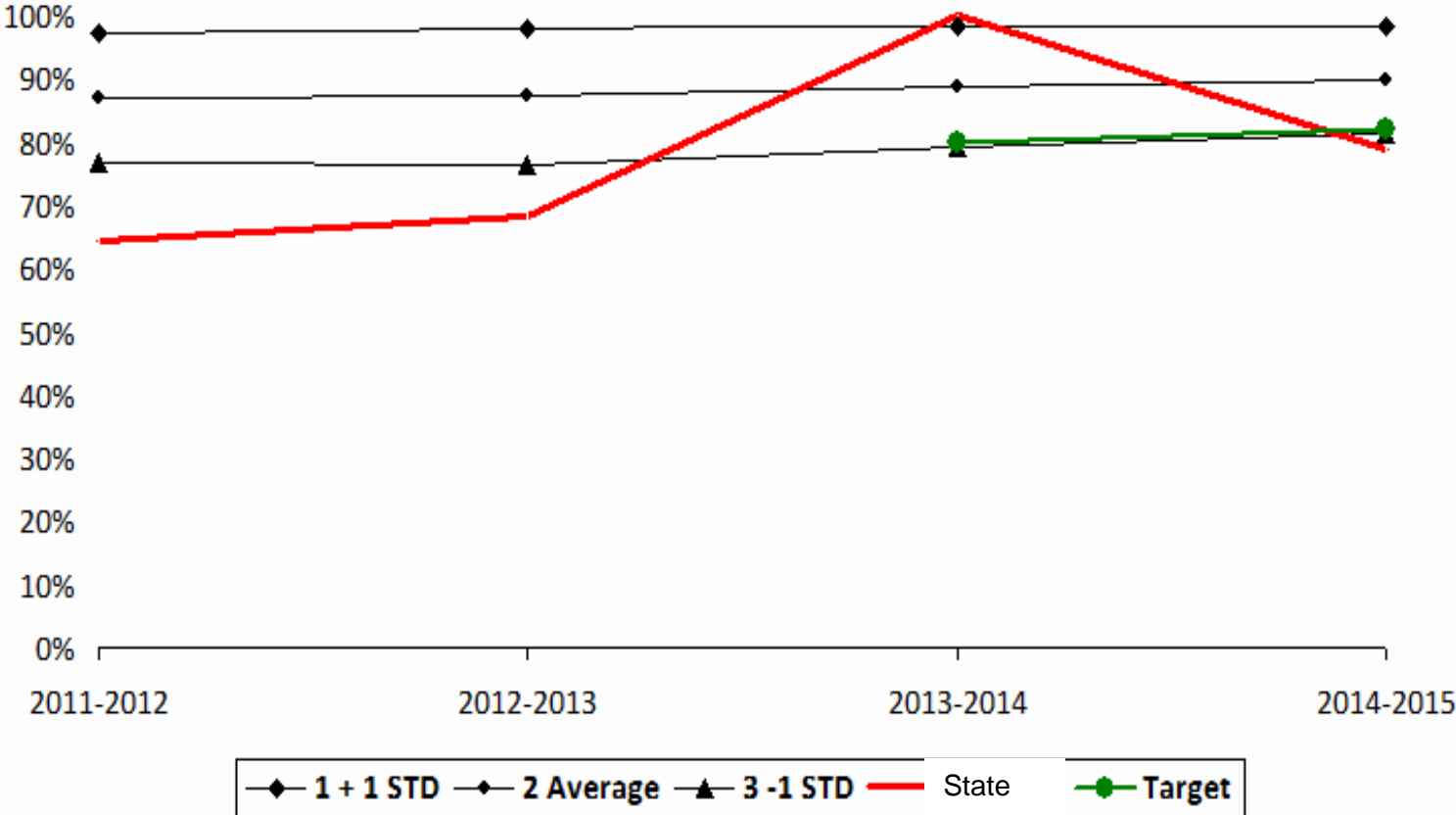
Performance Data

Part C Indicator 4: National Average Compared to State



Performance Data

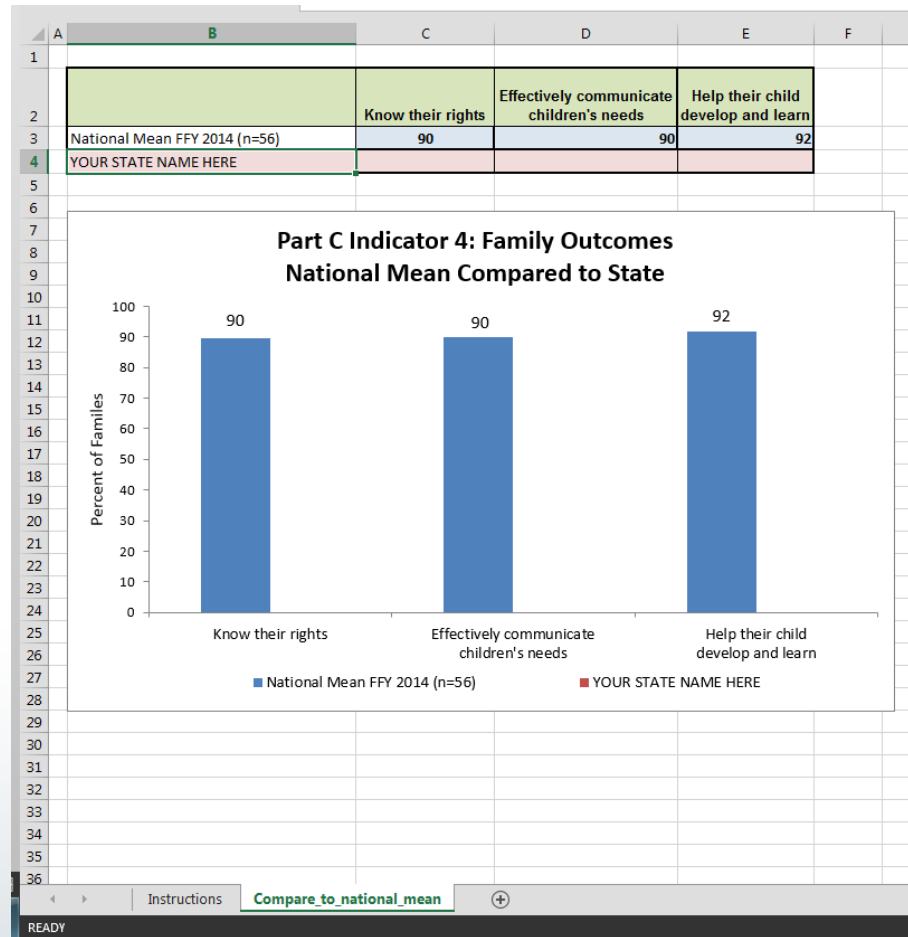
Part C Indicator 4: Know their Rights



Performance Data Tools



Updated National Graphing Template

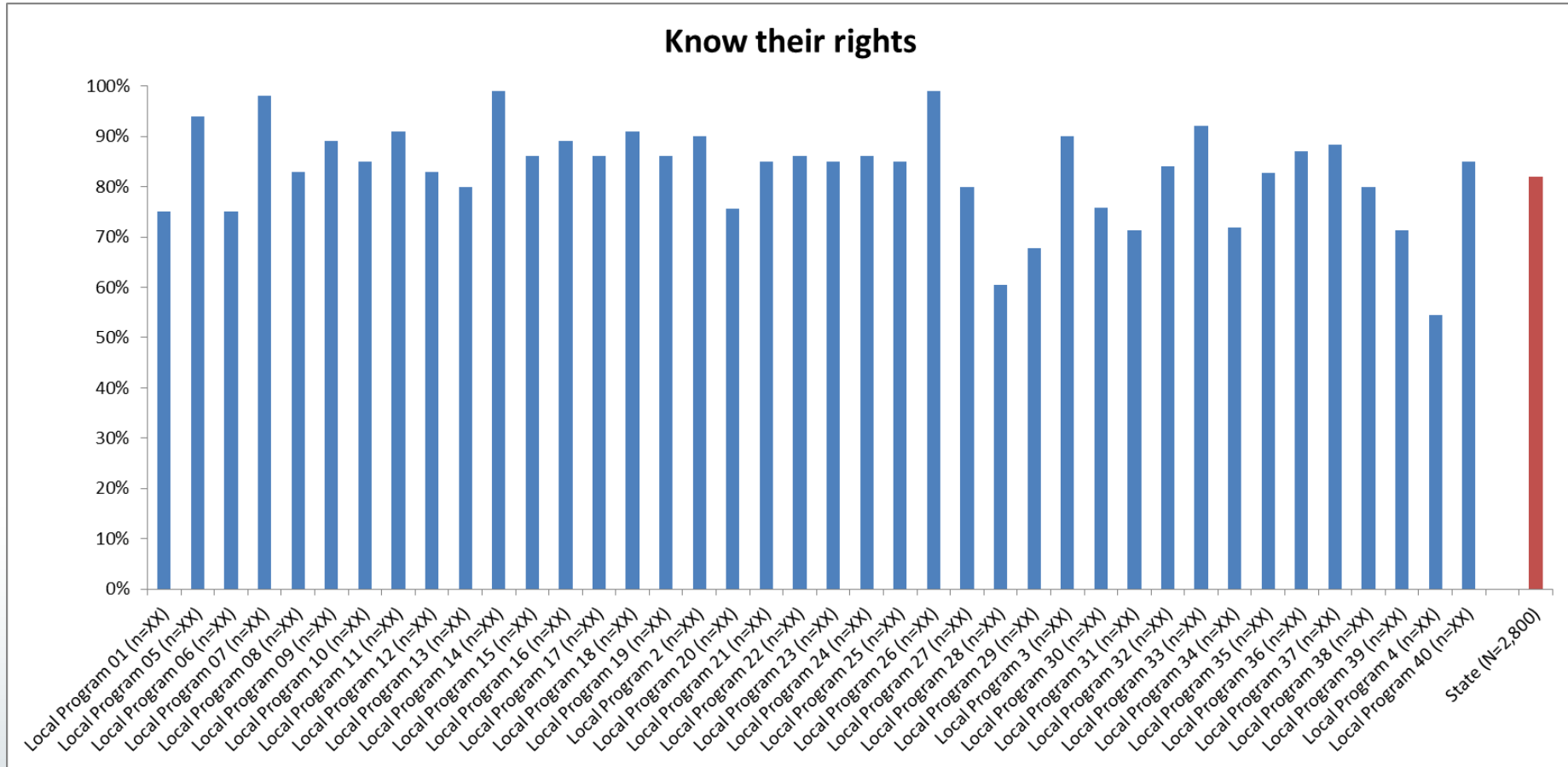


http://ectacenter.org/eco/assets/xls/FamilyOutcomes-State_approaches_calculator.xlsx

Meaningful Differences Calculator

Instructions									
Step 1: Enter the number of families included in the 2013-14 calculation of the family outcome in cells D14 - D19.									
Step 2: Enter your state family outcomes percents for 2013-14 for each outcome in cells E14 - E19.									
Step 3: Enter the number of families included in the 2014-15 calculation of the family outcome in cells H14 - H19.									
Step 4: Enter your state family outcomes percents for 2014-15 for each outcome in cells G14 - G19.									
		2013-2014			2014-2015				
	Family Outcome	The number of families who responded	Percentage of Families Who Met this Indicator	Confidence interval 2012-2013 Summary Statement	The number of families the who responded	Percentage of Families Who Met this Indicator	Confidence interval 2013-2014 Summary Statement	Meaningful difference ?	
	Know their rights							#DIV/0!	
	needs							#DIV/0!	
	Help their child develop and learn							#DIV/0!	
<p style="text-align: center;">State Current to Previous Year</p>									

Local Program Graphing Template



http://ectacenter.org/eco/assets/xls/Local_program_graphing_template_familyoutcomes.xlsx

Data Quality Tools

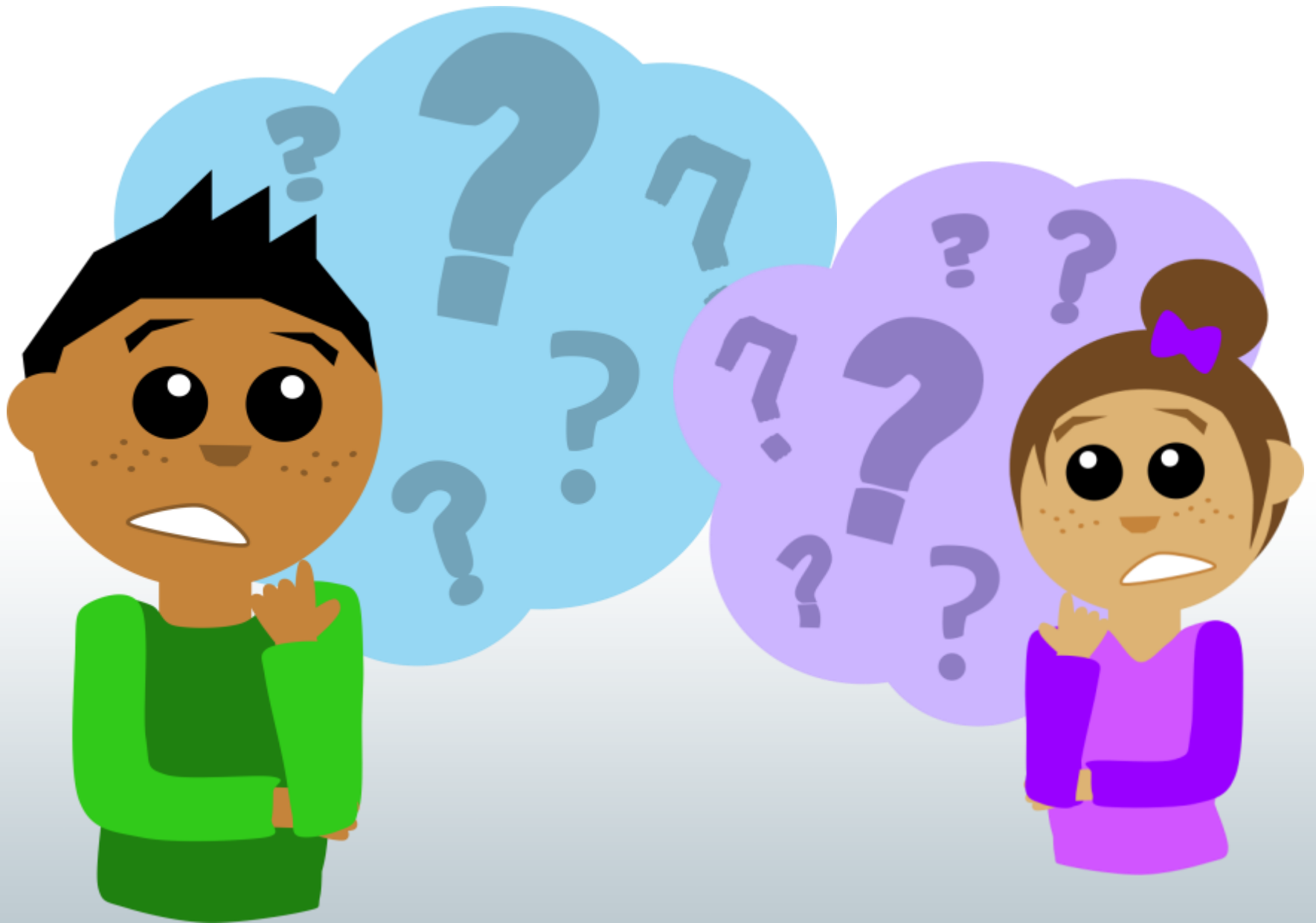


Response Rate & Representativeness Calculator

1							
2	Instructions						
3	Step 1: For each subgroup variable (e.g., race, disability category), enter the number of families in your target population in the yellow cells						
4	<i>Note:</i> The target population used for comparison could be 618 child count data, program data, or some other population. The total number of families						
5	(e.g., 6275) should always be the same.						
6							
7	Step 2: For each subgroup variable, enter the number of families who responded to the family survey in the blue cells						
8	<i>Note:</i> If you completed the 'Response Rate' tab, these numbers will automatically populate. If not, you will need to enter them manually.						
9							
10	Step 3: The target and actual representation for each subgroup variable will calculate based on inputs from Step 1 and 2. If there is a statistically						
11	significant difference between these two subgroup percentages, the 'Are your data representative' row will populate with 'No' and be highlighted in pink. If						
12	there isn't a difference between the target and actual percentages then your data from this subgroup is representative and the 'Are your data representative'						
13	row will populate with 'Yes' and be highlighted in green. The overall representativeness for the subgroup variable is in the bottom right corner of each table.						
14	Note: An example is provided using race as a subgroup variable						
15							
16							
17							
18	EXAMPLE						
19		Race					
20		African American or Black	American Indian or Alaska Native	Asian	Native Hawaiian or Pacific	White	Total
21	# families in target population	1628	382	461	159	3645	6275
22	# families responded to survey	100	50	25	8	310	493
23							
24	Target representation (% of families)	26%	6%	7%	3%	58%	
25	Actual representation (% of families)	20%	10%	5%	2%	63%	
26	Difference	-6%	4%	-2%	-1%	5%	Race Overall
27	Are your data representative?	No	No	No	Yes	No	No
28							

Other Resources

- ECTA Outcomes family measurement home page
 - <http://ectacenter.org/eco/pages/tools.asp>
- Longitudinal graphing calculator
 - <http://www.ectacenter.org/eco/pages/summary.asp#longitudinalsummarygraph>
- Collecting and using family indicator data
 - <http://www.ectacenter.org/eco/pages/tools.asp#AdditionalResources>
- Analysis Resources
 - <http://www.ectacenter.org/eco/pages/usingdata.asp#ResourcesandTools>



We Can Help

- Contact us for help with questions related to
 - Data analysis
 - Data quality
 - Program improvement
- Siobhan Colgan
 - siobhan.colgan@unc.edu
- Melissa Raspa
 - mraspa@rti.org

