



# INTERACTIVE INSTITUTE 2021

BUILDING AND SUSTAINING A CULTURE OF HIGH-QUALITY DATA

## Sampling for Part B Indicators 8 and 14: Requirements, Strategies, and Lessons Learned

April 13–15, 2021



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# Presenters

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# Participant Poll: Why are you joining today?



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# Agenda

- Office of Special Education Programs (OSEP) requirements for sampling
- Panel discussion of the benefits and challenges of sampling
  - Practical
  - Methodological
- Participant Q and A
- Resources for sampling

# OSEP Requirements for Sampling

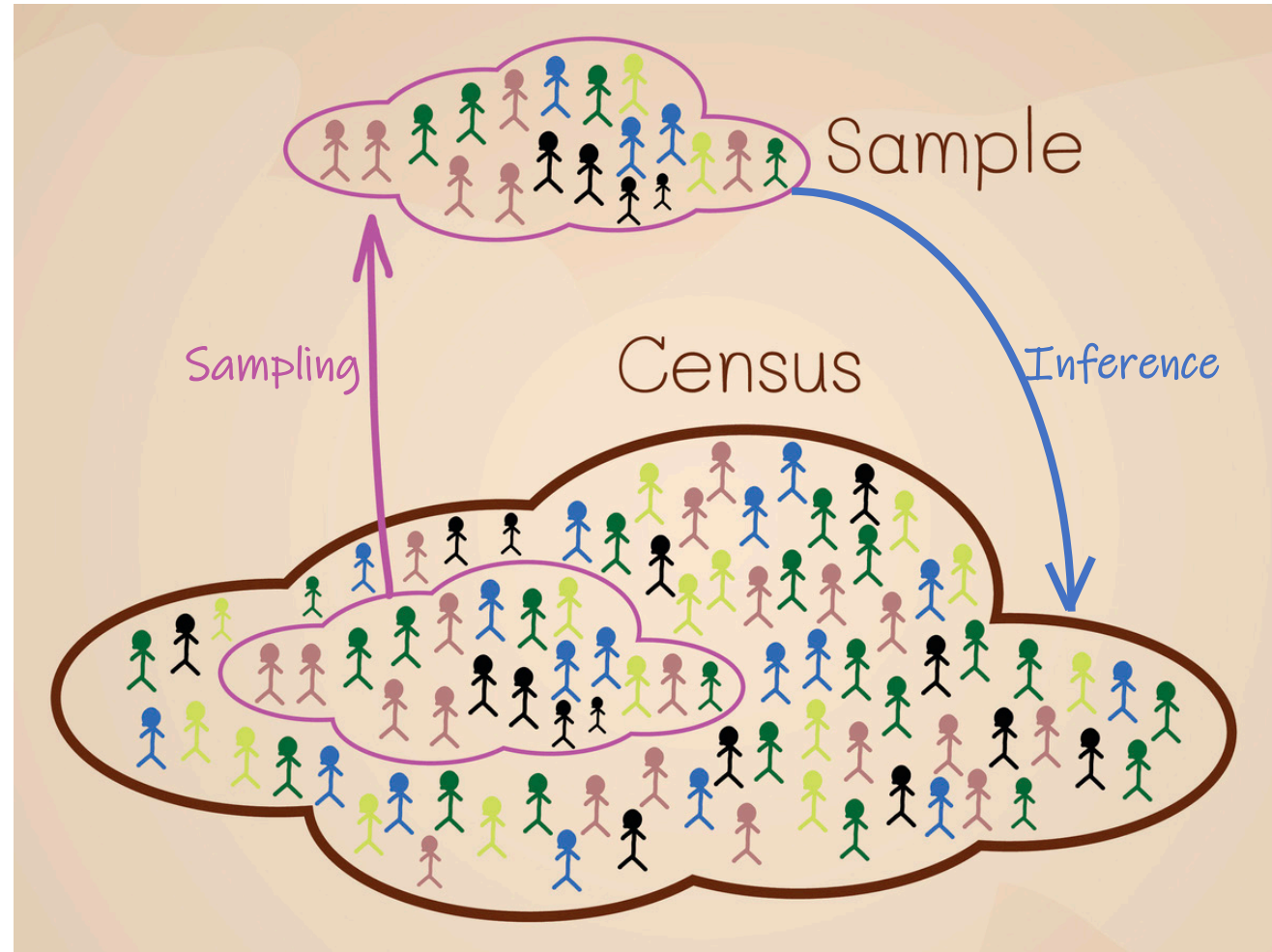


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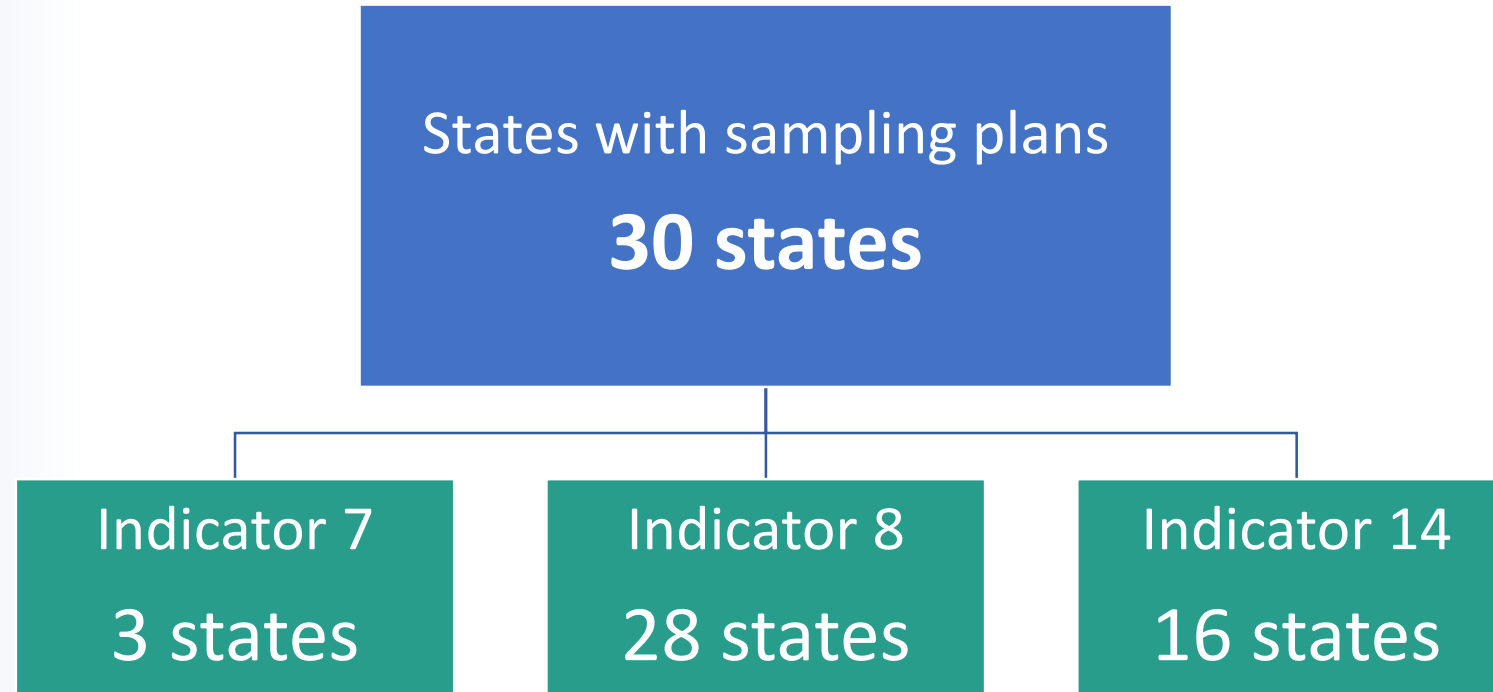
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# Census versus sample

- Sampling provides inferences about a target population
- Samples typically are used to
  - Address practical constraints, such as controlling costs and targeting resources
  - Improve data quality, such as improving representativeness and increasing precision



# Sampling Allowed for Part B Indicators 7, 8, and 14



Based on FFY17 State Performance Plan/Annual Performance Reports (SPP/APRs)

# General Requirements if Sampling

States must

- Submit any new or revised sampling plan to OSEP for approval
- Provide a description of their sampling methodology in the State Performance Plan/Annual Performance Report (SPP/APR) submission each year
- Specify the specific sampling methods and describe the procedures they will follow (e.g., simple random selection, stratification, clustering)
- Outline a sampling strategy that will yield valid and reliable estimates of the target population



# Specific Sampling Requirements

- Describe expected similarities or differences between the sample and target population
- Identify potential problems, as they relate to sampling, and describe a plan to address them
  - Low response rates
  - Missing data
  - Selection bias
- Identify methods for ensuring representativeness of the respondent data

# New, General Requirements for FFY 2020 (With Implications for Sampling)



- Response rates
  - Compare response rate for current year to former year and indicate strategies to increase response rate, particularly for underrepresented groups
  - Identify potential nonresponse bias and indicate strategies for ensuring responses represent cross-section of the target population
- Representativeness
  - Provide metric used to determine representativeness (e.g., +/-3% discrepancy, tests of statistical significance)
  - Beginning FFY 2021, analyze representativeness by race and ethnicity and at least one other demographic category informed by stakeholder input

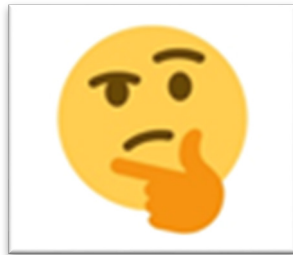
# Specific Requirements if Sampling at the LEA Level

- States have the option to sample within all LEAs or to sample within some and use a census for others
- Consider risk of disclosure of personally identifiable information about individual children
- Include all LEAs with average daily memberships (ADM) over 50,000 each year
- Collect data from a representative sample of LEAs each year to be able to report on state performance annually

# Specific Requirements if Sampling at the LEA Level (cont.)

- Report the most recently available performance data for each sampled LEA
- Take samples within selected LEAs that are representative of each of those LEAs
- Sample the performance of each LEA on the indicator at least once during the FFY 2020–2025 period

# Participant Poll: How are you feeling about the requirements related to sampling?



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# Discussion of the Benefits and Challenges of Sampling



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# Panelists



## Tony LoBianco

- Director, Kentucky Post School Outcomes Center
- Responsible for data collection and analysis of Part B Indicators 8 and 14 for Kentucky

## Jim Green

- Senior Statistician, Westat
- Supports the review of sampling plans, including those for SPP/APR indicators



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# Panel Discussion: Practical Benefits and Challenges of Sampling

- What are the key practical advantages of sampling for Indicators 8 and 14 in your experience?
- What practical challenges have you encountered with sampling?



# Panel Discussion: Methodological Benefits and Challenges of Sampling

- What are the methodological advantages of sampling for Indicators 8 and 14?
- What key issues or methodological challenges of sampling do states need to consider?

# Participant Q and A



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# Current IDC Resources: Data Collection and Analysis for Indicator 8

- *[Making the Most of Parent Involvement Data](#)*
- *[Parent Involvement Data: How to Measure and Improve Representativeness for Indicator B8](#)*

# Forthcoming IDC Resource: SPP/APR Indicator Sampling Plan Checklist

SPP/APR Indicator Sampling Plan Checklist	Yes	No	NA	Could use TA
<b>Are we addressing the requirements for a sampling plan that will yield valid and reliable estimates? Do we...</b>				
<ul style="list-style-type: none"> <li>Specify the specific sampling method(s) (e.g., simple random, stratified, cluster) and describe procedures we will follow</li> </ul>				
<ul style="list-style-type: none"> <li>Implement sampling in year 1 of the data collection cycle</li> </ul>				
<ul style="list-style-type: none"> <li>Use a probability sample (i.e., random selection) to establish baseline</li> </ul>				
<ul style="list-style-type: none"> <li>Describe expected similarities or differences between the sample and population (e.g., disability category, race, ethnicity, age, gender, family income)</li> </ul>				
<ul style="list-style-type: none"> <li>Identify potential problems, as they relate to sampling, and describe a plan to address them, including                             <ul style="list-style-type: none"> <li>Low response rates</li> <li>Missing data</li> <li>Selection bias</li> </ul> </li> </ul>				

## Action Steps to Move Forward on Sampling Plan

Consider the following questions to guide next steps.

- Reflect on what specific elements you have identified above as in place or not in place. What do you notice about gaps?
- What questions about the plan can you problem solve with your state team?
- What internal resources in your state can you leverage (e.g., data system, staff with expertise)?
- What outside support or expertise will you need (e.g., from a TA center, contractor)?
- What *specific* actions do you need to take to move forward on your sampling plan? Do you need to prioritize these actions? If so, how?

# Contact Us

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# For More Information



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