

# What Do Your Data Tell You if They Don't Represent Your Students: Representativeness in B8 and B14 Responses





#### **Presenters**



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### **Agenda**



- Present an overview of State Performance Plan/Annual Performance Report (SPP)/ APR) Indicators B8 and B14
- Describe approaches for measuring and improving the representativeness of B8 and B14 data
- Learn from one state's efforts using a TA Center tool designed to measure the representatives of your data
- Participate in a facilitated discussion on challenges states encounter and strategies states use for improving the representativeness of their data

#### **Indicator B8**



Percent of parents with a child receiving special education services who report that schools facilitated parent involvement as a means of improving services and results for children with disabilities

#### **Indicator B14**



Percent of youth who are no longer in secondary school, had individualized education programs (IEPs) in effect at the time they left school, and were

- A. Enrolled in higher education within 1 year of leaving high school
- B. Enrolled in higher education or competitively employed within 1 year of leaving high school
- C. Enrolled in higher education or in some other postsecondary education or training program; or competitively employed or in some other employment within 1 year of leaving high school

#### From the Measurement Table



#### **Indicator B8**

Include the state's analysis of the extent to which the demographics of the parents responding are representative of the demographics of children receiving special education services. States should consider categories such as race and ethnicity, age of the student, disability category, and geographic location in the state.

## From the Measurement Table (cont.)



#### **Indicator B14**

Include the state's analysis of the extent to which the response data are representative of the demographics of youth who are no longer in secondary school and had IEPs in effect at the time they left school. States should consider categories such as race and ethnicity, disability category, and geographic location in the state.



## From the Measurement Table (cont.)



#### **Indicator B14 (cont.)**

If not representative, describe the **strategies that the state will use** to ensure that in the future the response data are
representative. In identifying such strategies, the state should
consider factors such as how the state collected the data (e.g.,
by mail, by email, online, by telephone, in-person through school
personnel).



#### Indicator B8 Data Collection



- Data collected by either census or sample
- Data collected from parents of children with IEPs
- Data source: State-selected data source

#### **Indicator B14 Data Collection**



- Data collected by either census or sample
- Data collected on youth with IEPs who exited school at least 1 year ago and
  - Graduated with a regular diploma or with some other form of modified diploma or certificate
  - Aged out
  - Dropped out, or
  - Were expected to return, but did not
- Data source: State-selected data source
- States must report annually the percentages for 14 A, B, and C and the actual numbers for the four required response categories

# Revised Definitions

#### **Higher Education**

- Enrolled full- or part-time
- Community college (2-year program)
- College/university (4- or more year program)
- One complete term



#### **Competitive Employment**

- Worked for pay at or above the minimum wage
- Customary pay rate, benefits, and opportunities for advancement as those without disabilities
- · Setting with others who are nondisabled
- 20 hours a week; 90 days in the year since leaving high school
- Includes military employment

#### Other Postsecondary **Education or Training**

- Enrolled full- or part-time
- Education or training program (e.g., adult education, vocational technical school that is less than a 2-year program)
- One complete term

#### Some Other Employment

- Worked for pay or been self-employed
- 90 days at any time since leaving high school
- Includes working in a family business (e.g., farm, store, fishing, ranching, catering services, etc.)



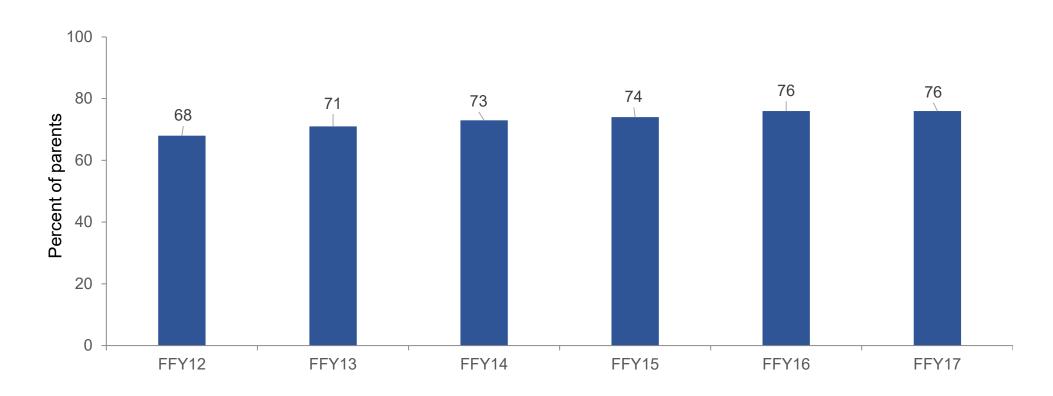
#### Indicators B8 and B14 Data Collection



- Include a description of how the state has ensured that survey data are valid and reliable, including how the data represent the demographics of the state
- Most states collect with some form of survey methodology (e.g., phone, in-person, written, online) or some combination
- Contractors, state staff, or local staff can collect data

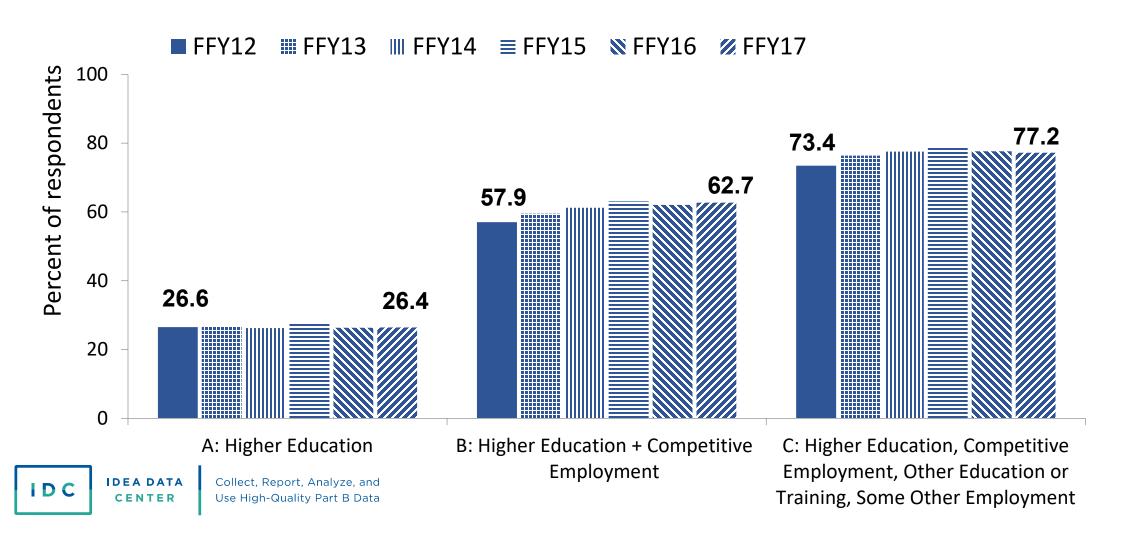
#### **National Mean Trends for Indicator B8**





# National Median Trends for Indicator B14 Measures





#### Response Rate



- One measure of survey quality
- Response rate = # of completed surveys / total # eligible respondents
- Eligible respondents
  - **B**8
    - Parent of student with an IEP
    - Refusals to complete a survey, no contact, or lost to follow-up
  - **B**14
    - Had IEP in effect at the time they left school
    - At least 1 year has passed since the students left school
    - Refusals to complete a survey, no contact, or lost to follow-up



### Representativeness



- One measure of survey quality
- Representativeness = extent to which respondents' demographics are similar to the demographics of the target population
- If data are not representative, cannot generalize to target population

## Nonresponse Bias



When survey respondents are different from those who did not respond Examples:

- Of all exiters = 55% diploma, 25% dropout, 20% certificate
  - Only graduates with a diploma responded
  - Overrepresented on graduates; underrepresented on all others
- Of all parents = 25% parents of students with SLD, 30% parents of white students
  - Underrepresented?
  - Overrepresented?
- Specific group excluded from data collection
  - Parents who do not speak English
  - Youth who were incarcerated at follow-up
  - Youth who attended a transition program



# Representative Data: An Indicator of Valid and Reliable Data



How similar respondents are to the target population

- Age (Measurement Table [I-8], General Instructions)
- Disability category (Measurement Table)
- Exit status (Measurement Table [I-14])
- Gender (General Instructions)
- Geographic location (Measurement Table)
- Race/ethnicity (Measurement Table)
- Other

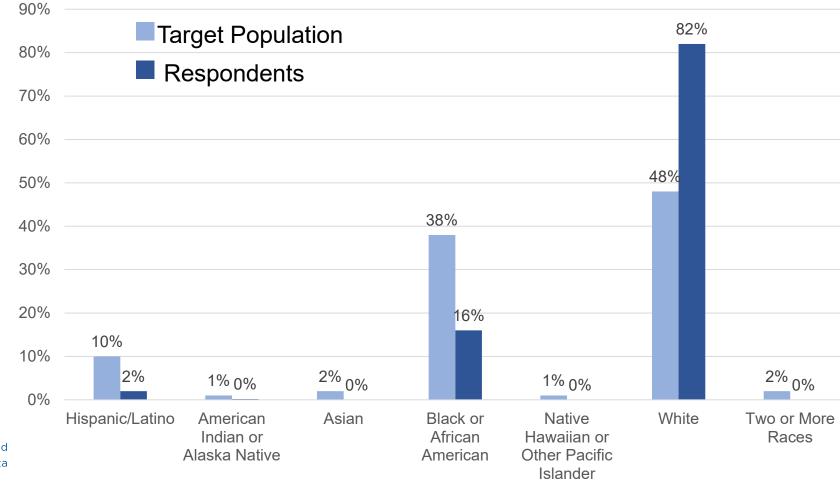
Note: Guidance for B-14: +/- 3% discrepancy between youth in the respondent group and youth in the target group = important difference



# Measuring Representativeness: What Have States Been Doing?



States often compare characteristics of respondents to characteristics of the state's entire target population.



# How Can States Assess Representativeness?



- Compare the characteristics of respondents
  - Compare to all parents OR exiters with disabilities, or
  - Compare to nonresponders
- Examine multiple characteristics—race/ethnicity, sex, disability, age, geographic location
- Obtain survey responses from a sample of responders who initially did not respond to see if the way they respond to the survey differs from the responses you already collected



# From Office of Special Education Programs SPP/APR B14 Indicator Analysis 2019 FFY17



- Although 75% of states (n = 45) reported in GRADS360° that their response data were representative of the demographics of youth who are no longer in school and had IEPs in effect at the time they left school, discrepancies were noted
- Discrepancies included
  - Checking the box to indicate response data were representative and providing conflicting data in the narrative
  - Not including data (or enough data) to support the determination of representation of respondents



### Tools for Assessing Representativeness 1120



- National Technical Assistance Center on Transition (NTACT) Response Rate Calculator uses a threshold of ±3 percent in observed data
- Early Childhood Technical Assistance Center (ECTA) Response Rate and Representativeness Calculator uses tests of statistically significant differences to determine representativeness

#### Data Aren't Representative—Now What? 1120



- Reflect on bias in the data and develop strategies to increase representativeness (next few slides)
- Disaggregate your findings
- Be transparent when reporting findings (e.g., response rate, weighting of data, efforts to locate nonresponders)

#### Data Aren't Representative—Now What? 1120 (cont.)



- Discuss results in the context of bias in the data
- Adjust sample weights
  - Enlist services of a statistician
  - Analyze (generalize) your data using sample weights
  - Adjust weights for nonresponse
  - Describe the procedures

#### Strategies to Increase Response Rate



#### Planning

- Make survey user-friendly
- Brand your survey—appearance matters
- Collect multiple means of contact information
- Develop pre-communication about survey

#### Administration

- Personalize communication
- Consider multiple means of distribution and collection
- Use school/district logo on survey related materials
- Use incentives
- Conduct follow-up



# Strategies to Increase Response Rate (cont.)



#### Locating Respondents

- Do exit surveys/interviews (multiple contacts) for B14
- Pre-notify—give a "heads up" notice about survey
- Use Google, Department of Motor Vehicles, school resource officers, vocational rehabilitation offices, developmental disabilities agencies, social media, family contacts, etc.

#### Incentivizing

- Emphasize importance of results
- Communicate results of previous surveys and use your results
- Share successes (LEAs with high response rates)
- Use incentives, such as food coupons, game tickets, gift cards



## State Sharing: Pennsylvania



### **Increasing Response Rates**



Provide prenotification

Create familiarity

Show interest when conducting survey

Provide incentives



## Increasing Response Rates (cont.)





#### Strategies to Contact Youth for the PaPOS Process: Lessons from Pennsylvania Schools

#### Provide Pre-Notification (while students were still in high school)

- Discussed the BaBCE process with students end/or perents; explained the purpose, provided the questions; and defined the timeline for conducting the survey.
- Informed the students and/or parents of how the Babbus, process was going to be managed (e.g., when it would occur, why youth were selected).
- Presented students with the number of former students who enrolled in college or other post-secondary education or training opportunities.
- C Provided RaCCS information at the student's final IEP meeting
- Outresched with students prior to contacting them for the SaBCA post-school survey
- Disturbed SaCCA information with other important information sent home to parents (e.g., information about class rings, senior portraits and graduation information)
- Established any sort of social media campaign (e.g., Facebook, Twitter, etc.) to maintain contact with students for the SacCCL post-school survey.

#### LESSONS LEARNED

- That positive relationships with perents and students by supporting their special education programs in the PASO for 12 years as an administration I attended IDP meetings, met with students who had discipline issues, and was an advocate to students size of the proporting special education programs. I developed extra-cumoular activities such as buddy beneficial and discipling of these sizes and the families cultiside the solvoir setting.<sup>4</sup>
- "Diversed the importance of being able to reach them as a continued resource for them in assisting these accessing services. Sheased the need to both the students and the parents cell numbers for the tuber and this was the essent way to reach the students."
- \* Met with the student's special education teacher to discuss a good time to meet with students and to gain more information about students that I may not have known."

#### Create Familiarity

- Explained to students and/or parents that they are helping other students like themselves by enswering the questions on the dwarfs?
- Shared SaSCS survey with students and/or parents so they knew what questions would be asked and that the information being asked is legitimate, not a scan for personal information.
- Practiced completing the <u>BaBOS</u> interview with the student and/or parents.
- Showed students and/or perents specific examples of how EaSICS information can be used to make school before
- Sidentified the person who had a relationship with the hardest-tofind-youth and asked that person to inform the youth of the PaPOS process and/or conduct the survey conduct the survey.



- Treseived the surveys and took shoere interest in completing the activity. I wanted to know personally what students accomplished after VE. It gave me a reason to competitate my MS staff on a job well done. We ware proud of the results of the surveys and ill provided this information at a staff meeting. Onesn to our staff?
- Taxieued the actual survey with the students and parents in a meeting prior to completing the survey."
- During serior staffing, we discussed the PgBQE surveys and informed students that I would be notifying them after graduation leaving to complete the survey."
- "One of our 12th grad augport teachers put the RAPICS survey questions on a word document that could be amaled to some students and it seemed to make it easier for them to send it back. Even if they did not email it back, they had the questions it are reached them by phone so it was easier to conduct the interview. For most of our students, our first attempt at reaching them was from sock of our students, our first attempt at reaching them was from sock of our students, our first attempt at reaching them was from socked personnel and known from self. Some of our hard to find students who had worked with a support courselor serve willing to speak to her when they heard she was tying to contract them from a former discensing, a fixed with was still in school or email. We stood did make some late attempon tearly evening calls for those we did not reach during the day."



#### Increasing Response Rates (cont.)



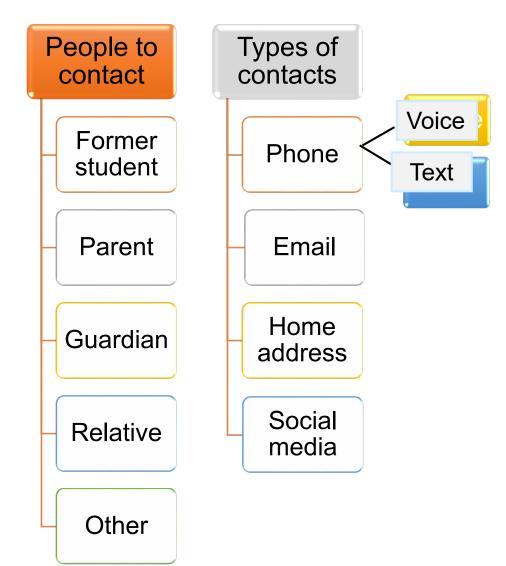
# Example of Three Specific Contacts

Date	Person contacted	Means of communication	
July 1, 2019	Billy Jones (student)	Former student's cell phone	
July 15, 2019	Billy Jones (student)	Social media	
Sept 1, 2019	Megan Jones (mother)	Home phone number	

Recommendations for Collection

**1120** 

of Three Contacts





#### A Review of NTACT Strategies



## **Making Contact**

Contact
family
members
near
significant
dates when
youth may
be in touch
with family

Maintain a
list of
family
members
still in
school
(siblings,
cousins,
etc.)

Vary who calls and leaves a message

Leave a message with a callback number

Use the school logo and name in any survey-related materials



## Additional Strategies/ Recommendations

- Develop a plan in the spring
  - Who will contact the youth?
    - Utilize 11/12 month employees, such as administrators, guidance counselors, clerical staff, etc.
  - When will they contact the youth?
    - Be aware of the submission target dates
    - Develop a timeline of contacting youth and submitting the surveys to a central person based on the target dates
  - How will they contact the youth?
- Make sure your staff are aware of the various ways to contact youth
- Monitor the progress throughout the summer

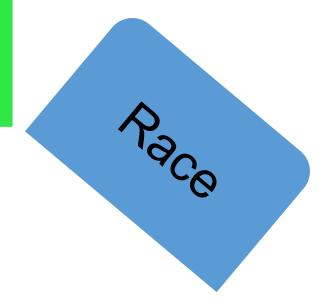


# Crucial to make sure that LEA has high return rate for various demographic areas including

Representative Completion Rates



Disability category



## 1120 When LEAs Log In, a Splash Page **Appears**

The following data illustrates the PaPOS Post-school Survey completion and submission rate at the aggregate and disaggregated levels. As a reminder, the goal is to ensure 100% of all Post-school surveys are completed and submitted in a timely manner.

Aggregate	Surveys to be Submitted		Submitted to Date		Percent Submitted	
Total Surveys	5		3		60%	
Gender	Surveys to be Submitted		Submitted to Date		Percent Submitted	
Male	2		2		100%	
Female	3		1		33%	
Ethnicity		Surveys to be S	be Submitted Submitted		ate	Percent Submitted
Multiracial		0		0		0%
Asian or Pacific Islander		0		0		0%
Black or African American		0		0		0%
Hispanic		1		1		100%
White		3		1		33%
Native Hawaiian or Other Pacific Islander		0		0		0%
American Indian/Alaskan Native		0		0		0%
Asian		1		1		100%
Disability		Surveys to be Submitted		Submitted to Date		Percent Submitted
Autism		1		0		0%
Deaf-Blindness		0		0		0%
Emotional Disturbance		0		0		0%
Hearing Impairment including Deafness		0		0		0%
Intellectual Disability		0		0		0%
Multiple Disabilities		0		0		0%
Orthopedic Impairment		0		0		0%
Other Health Impairment		0		0		0%
Specific Learning Disability		3		2		67%
Speech or Language Impairment		1		1		100%
Traumatic Brain Injury		0		0		0%





# Dashboard Views

LEAs will have instant access to the following data via Leader Data Services:

- % of Post-School Surveys completed/submitted
- % of Post-School Surveys completed/submitted disaggregated by
  - Gender
  - Disability category
  - Race

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# When LEAs Log In, a Splash Page Appears (cont.)

#### **Aggregate**

- Surveys to be completed: 40
- Surveys completed and submitted to date: 25
- Percent completed and submitted: 62.5%



# When LEAs Log In, a Splash Page Appears (cont.)

#### Male Youth

Surveys to be Completed: 15

Surveys Completed and Submitted to Date: 10

Percent Completed and Submitted: 67%

#### Female Youth

Surveys to be Completed: 25

Surveys Completed and Submitted to Date: 15

Percent Completed and Submitted: 60.0%



## **1120**

# When LEAs Log In, a Splash Page Appears (cont.)

As a designate of the LEA, I acknowledge that I have reviewed these data, am aware of the response rates, and recognize that the goal is to ensure 100% of all post-school surveys are completed and submitted in a timely manner.





#### User/Organization:

User: Demo Post User Last login: 4/5/2019 10:32 AM Level: LEA Post Data Entry Organization: Demo Post SD

The active school year in Outcomes is **2018-2019**.

## When LEAL Log In...

#### **Student Search for Post-School Survey**

Search Students						
Student name contains:						
DOB:						
PA Secure ID contains:						
Student Status:	Active ▼					
Survey Status:	Not Completed ▼					
Search Reset	Show 10 ▼ students					
Your search returned 5 out of 5 Active student(s).						
[Clear search results]						

	Name ▼	DOB	PA Secure ID	Leaver	Survey Progress	Last Date Modified	Previously Edited By
Edit	Hanna, Susque	04/10/1997	2123212125	Yes	In Progress / Edit	02/26/2019	Post User, Demo
Edit	Jefferson, Thomas	06/17/1997	2121214353	Yes	Start Survey		Post User, Demo
Edit	Smith, Adam	12/15/1998	2121213335	Yes	Start Survey		
Edit	Thomas, Linda	03/11/1997	4343434352	Yes	Start Survey		
Edit	Washington, George	05/13/1997	2121213344	Yes	Start Survey		

## **Getting Started**





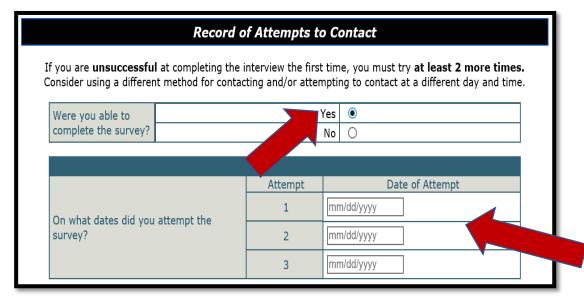
Edit: Edits the student demographic data, if needed

Start Survey or In Progress:
Opens the actual survey





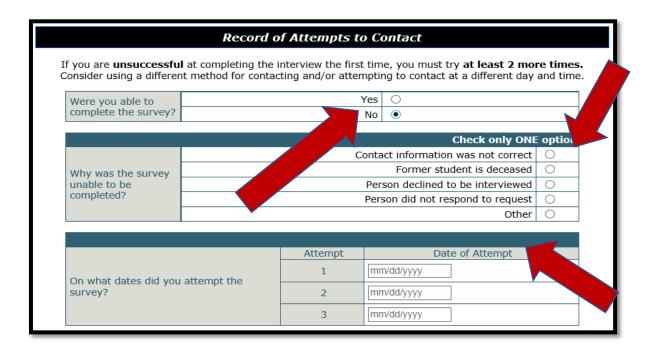
# Record Attempts: Survey Completed



If you are able to contact the student and complete the survey with the student, you will click on the <u>Yes</u> box and then simply fill out the date(s) you attempted to reach the student.

### **1120**

# Record of Attempts: Survey NOT Completed



If LEAs are <u>unable</u> to contact the former student to complete the survey, they indicate this by clicking on the <u>No</u> radio button, choose the reason(s) why the former students did not complete the survey, and verify the three dates the LEA attempted to reach the former student.

#### **Examining Representativeness**



- Establish a 5-year sampling plan so that each LEA participates in the process at least once
  - LEAs with greater than 50,000 students must participate every year
- Each year's sample must be representative of the state as a whole
- Compare the demographics of the survey respondents to that year's Target Leaver Group (those that completed the Exit Survey the prior year)

#### **Examining Representativeness (cont.)**



- NTACT Response Rate Calculator examines
  - High incidence disabilities (learning disability, emotional disability, intellectual disability)
  - Low incidence disabilities (as a group)
  - Females
  - Minority populations
  - English learners
  - Dropouts



#### **Examining Representativeness (cont.)**



- Using the NTACT Response Rate Calculator as a guide, PA expanded the calculations to include
  - All disabilities
  - Both genders
  - All races/ethnicities
  - All exit reasons
  - Geography (West, Central, East)
- 29 comparisons rather than 8



#### **Examining Representativeness (cont.)**



- When the respondent group is not representative, the underrepresented groups are over-sampled the following year in an effort to correct for that shortcoming
- PaTTAN-Pittsburgh uses its data collection monitoring screens to contact LEAs with low response rates to remind them that additional work is needed to complete surveys

# National Technical Assistance Center on Transition (NTACT) Response Rate Calculator



# Quick View of the NTACT Response Calculator



https://www.transitionta.org/system/files/resourcetrees/NTACT ResponseCalculator 2018Revisedv3Final 0.xls?file=1&type =node&id=1978&force=

## Demo of the NTACT Response Rate Calculator



#### Select a flagged category

- Why might the category be underrepresented or overrepresented?
- What may be practical ways to address the underoverrepresentation in the data?

### Discussion



#### **Discussion Questions**



#### Share

- How has your state examined representativeness
- Which group(s) have been most underrepresented
- What strategies has your state deployed to address this
- What have been the results of those efforts

#### Resources for Reference



- Instructions for the National Technical Assistance Center on Transition Response Calculator for Indicator 14-Revised (v3) (NTACT)
- Making the Most of Parent Involvement Data: Improving Quality and Enhancing Understanding (IDC)
- Representation and Geographic Location for Indicator B14 (NTACT)
- Post-School Outcomes: Response Rate and Nonresponse Bias Post-School Outcomes Center (NPSO)

### Resources for Reference (cont.)



- <u>Collecting Post-School Outcomes Data Strategies for Increasing</u> <u>Response Rates</u> (Dropout Prevention Center for Students with Disabilities/NPSO)
- <u>Contacting Hard to Find Youth: Strategies for the Post-School Survey</u> (NPSO)
- <u>Tip Sheet for SEAs: Engaging Parents and Family Members in Post-School Outcomes Stakeholder Groups</u> (NPSO/PACER Center)

#### **Contact Us**



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