

Helping State and Local Staff Team Up for Effective Data Analysis and Use

DECEMBER 6, 2018

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Helping State and Local Staff Team Up for Effective Data Analysis and Use

- Welcome and thank you for joining us
- We are recording this webinar
- Slides and recording from this presentation will be available on the IDC website
- We will be muting all participants
- Please type your questions in the chat box
- Please complete the online evaluation after the end of the presentation

Where to Find Webinar Slides and Recording

 3:00 PM on October 31, 2017 -- 4:00 PM on October 31, 2017

Back-to-Basics on Part B Assessment—What You Need to Know About Indicator B3

Webinar | Online | Back to Basics

This webinar continued IDC's Back-to-Basics Webinar Series for new Part B state staff, staff with new indicator responsibilities, and those who want a refresher on ins-and-outs of the SPP/APR indicators and related Section 618 data collections. The webinar will focused on beginning level information on Indicator B3 (Assessment), including a review of B3's specific criteria and data sources; steps and calculations required to collect, analyze, and report Indicator B3 data; and any differences or similarities between Indicator B3 and the other indicators.

Expected outcomes of the webinar were that participants would gain a better understanding of Indicator B3 requirements to ensure high-quality data for SPP/APR reporting and increased knowledge about available resources and supports for understanding and reporting Indicator B3 data.

Materials

Uploaded

Back-to-Basics on Indicator B3
FINAL B2B B3 Assessment Draft 9.26.17.pdf

PRESENTERS

Susan Hayes


Tiffany Boyd

Topics

State Performance Plan - SPP and Annual Performance Report - APR

Part B

618 Data

 Back-to-Basics

YouTube Recording

Agenda

- Participant Outcomes
- Data Analysis and Use
 - Planning
 - Tools and Products
- Maine's Results
 - Key Observations
 - Implications
- State Use of Tools and Products

Participant Outcomes

- Increase understanding of the benefits of using Part C state and local aggregate data and related data to make data-driven decisions at both state and local levels
- Increase understanding of the benefits of working together as a state and local team to address data analysis and use issues
- Increase knowledge about how to analyze and use data to identify questions and needs related to program and service delivery, develop plans to address those questions and needs, and begin to implement plans to improve program and service delivery
- Increase understanding of IDC technical assistance (TA) services and resources that can support data analysis and use

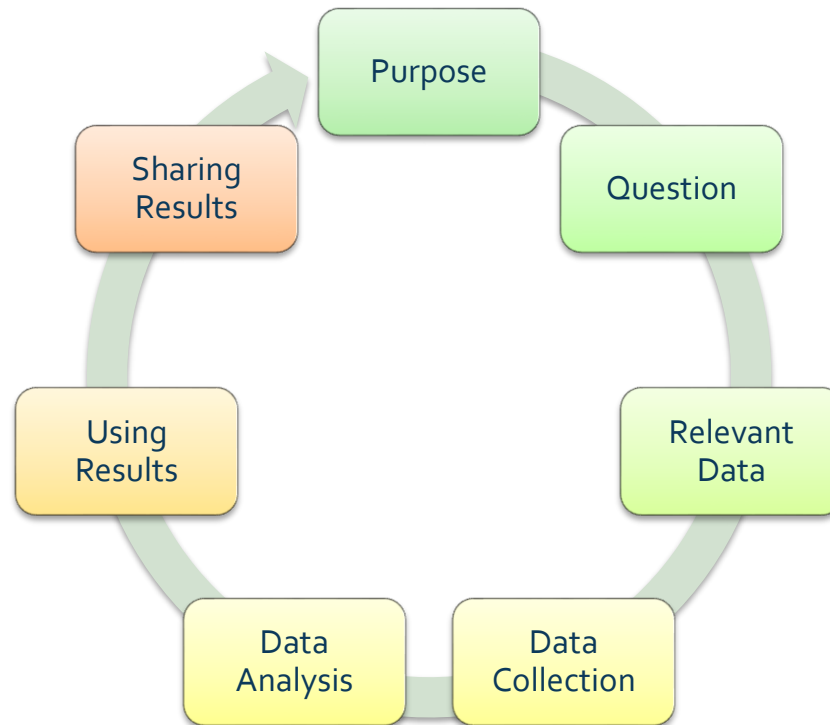
Data Analysis and Use

- IDC can provide Data Analysis and Use support through a targeted technical assistance request by individual states
- IDC worked with the state of Maine to improve data quality and its efforts around data analysis and use to inform program improvement
- Indicator 1: Timely Provision of Service

Data Analysis and Use (cont.)

- Purpose
- Primary Question
- Relevant Data Elements
- Data Collection Strategies
- Data Analysis
- Using the Results
- Sharing the Results

Cycle of Data Analysis and Use



Find Your Purpose

- Determine your overall objective for analyzing data
- Build off of your successes and examine your challenges
- Consider what is already known from the data and what is important to find out

Form Your Questions

- What are your pressing questions
 - Most eager to know about
 - Most crucial for policy and program decisions

Identify Relevant Data

- What do you mean by “data”
 - Factual information
 - Qualitative and Quantitative
- What data are needed to answer your questions
 - Data within your Part C program
 - Data you can access within your own agency or obtain from another agency/entity
 - Data elements that will require a new data collection effort

Planning for Data Collection

- Decide how you will gather the relevant data
 - Tools and measures
 - Sources of data
- Determine what existing processes for obtaining, managing, and storing data you can leverage
- Identify the “who” and “when” for data collection activities

Planning for Data Analysis

- Decide what methods you will use for examining your data
 - Based on the questions to answer and the type of data you collected
- Decide how you will organize the data
 - Patterns, trends, relationships

Analysis is rarely simple, but it can be systematic!

Planning to Use Results

- Decide what you will do with what you learn
- Decide how you will use the results for state and local programming
- Decide what process you will follow to apply the results to your work

Planning to Share Results

- Decide how you will communicate what you learn
- Decide who else will need to see these results
- Decide what formats will best communicate your results and the implications for your stakeholders

Outlier Analysis Tool



Maine Child Development Services

- 9 regional sites
- 7 early intervention program managers
- Transdisciplinary primary service provider (PSP) model used statewide
- New data system (CINC–Child Information Network Connection) implemented July 1, 2016



Data Analysis and Use Plan: Maine



STATE ANALYSIS AND USE PLAN				
Purpose <i>What is our broad objective for conducting this analysis?</i>	The purpose of the analysis is to increase the numbers of infants/toddlers receiving services in a timely manner.			
Primary Question <i>What specific question do we want to answer through this analysis?</i>	How can we measure timely service delivery while maintaining fidelity to the primary service provider (PSP) model?			
	Our Plan	Who Is Responsible?	When Will It Be Completed?	Additional Resources
Data Elements <i>What data do we need to answer our question?</i>	<ul style="list-style-type: none"> Definition of timely service delivery for Maine and other states using the PSP model Compliance percentage for timeliness Number of consults by secondary 	<ul style="list-style-type: none"> CDS State Director/Part C Technical Advisor, Roy Fowler CDS Deputy 	<ul style="list-style-type: none"> April 4th 2018 	<ul style="list-style-type: none"> ITCA List Serve IDC OSEP DEC Recommended Practices

Data Elements and Collection Strategies

From the Child Development Services (CDS) Database

- Overall compliance percentage at the local and state levels
- Compliance percentage by service
- Number of Consults (Secondary Service Providers) on initial individualized family service plans (IFSPs)
- Number of untimely/unused Consults
- Compliance specific to Consults
- Service logs
- Communication logs

Other Sources

- Staff efficiency sheets

Data Analysis Strategies

Descriptive Analysis

- Timely delivery of services by CDS Regional Site
- Timely delivery of services by discipline
- Impact of Consults/Secondary Service Providers on timely delivery of services
- Timeliness of consultations on initial IFSPs



Qualitative Analysis

- Review of staff efficiency/productivity percentages
- Review of Communication Logs

Plans for Using and Sharing the Results

- **Develop clear guidance on the appropriate use of Consults on initial IFSPs**
- **Share the data with regional site-level Early Intervention (EI) teams**
 - Identify the State and CDS Regional Site decrease in timely delivery of services
 - Share data that identifies the root cause of decrease

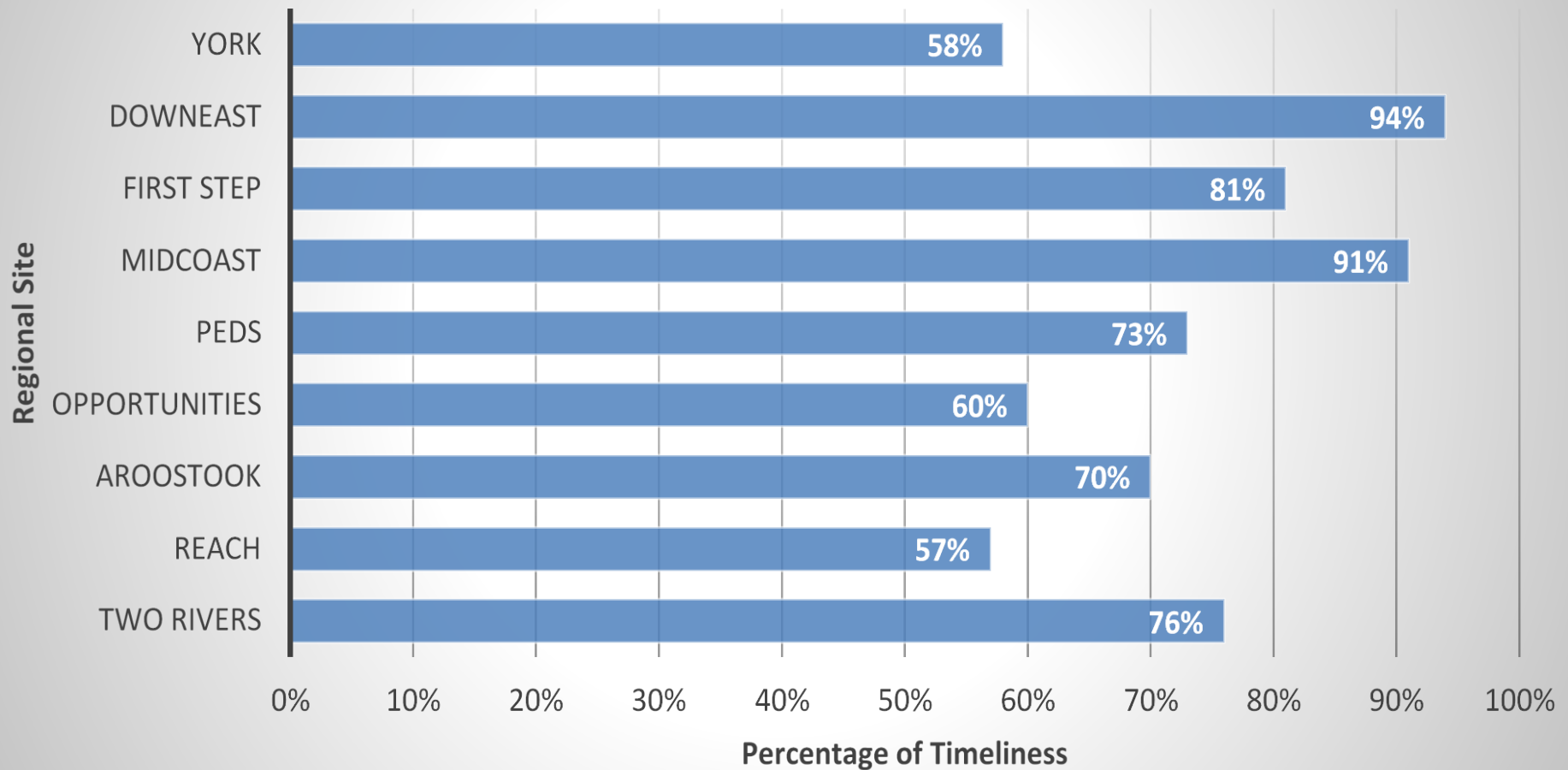
Plans for Using and Sharing the Results (cont.)

■ Inform local processes

- Review the developed guidance and implementation of that guidance
- Review a sampling of initial IFSPs and discuss the findings with the EI Team
- Assess the impact on CDS Regional Site's timely delivery of services at 3-, 6-, and 9-month intervals and review with the EI Team

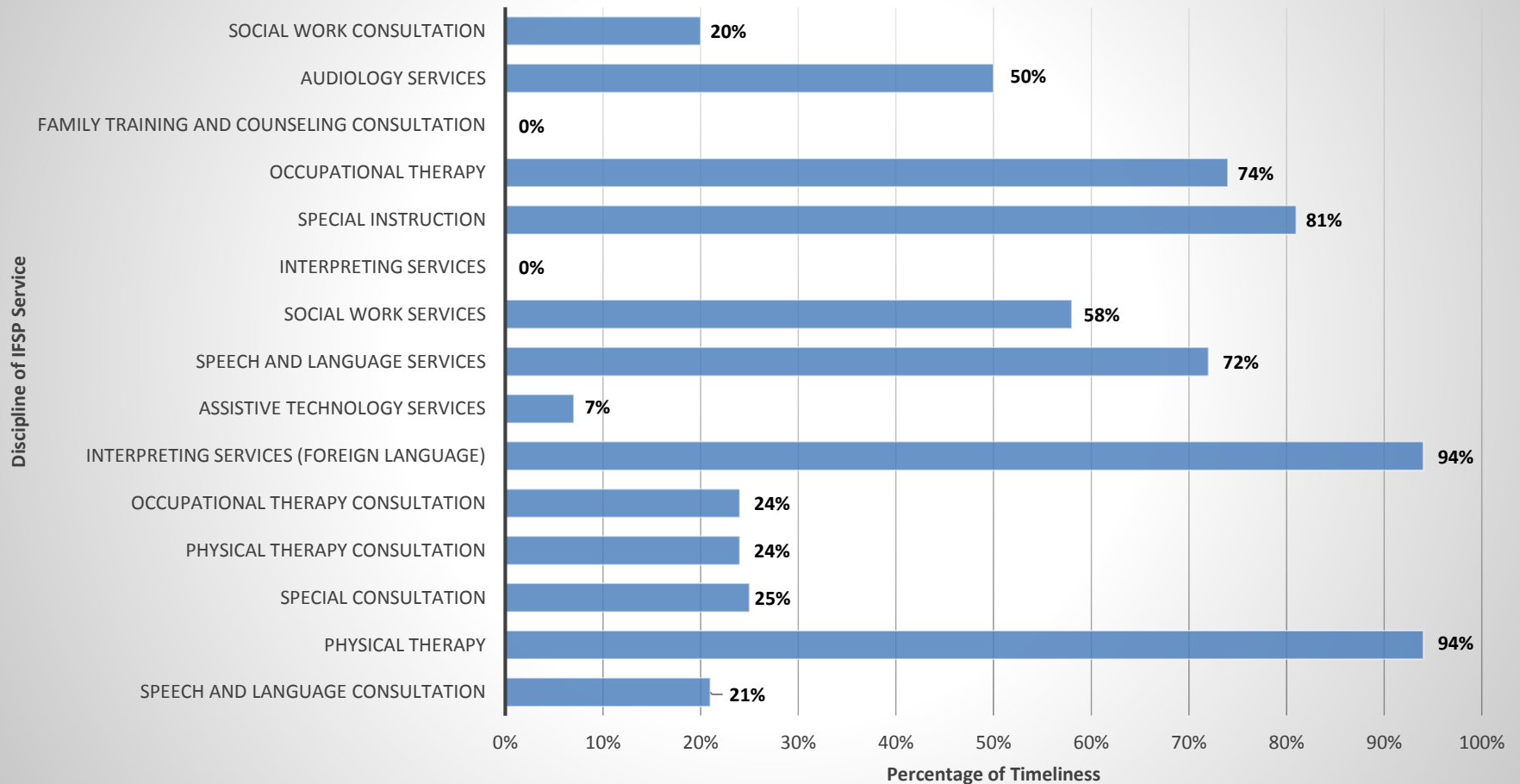
Results

Timely Delivery of Services by Site



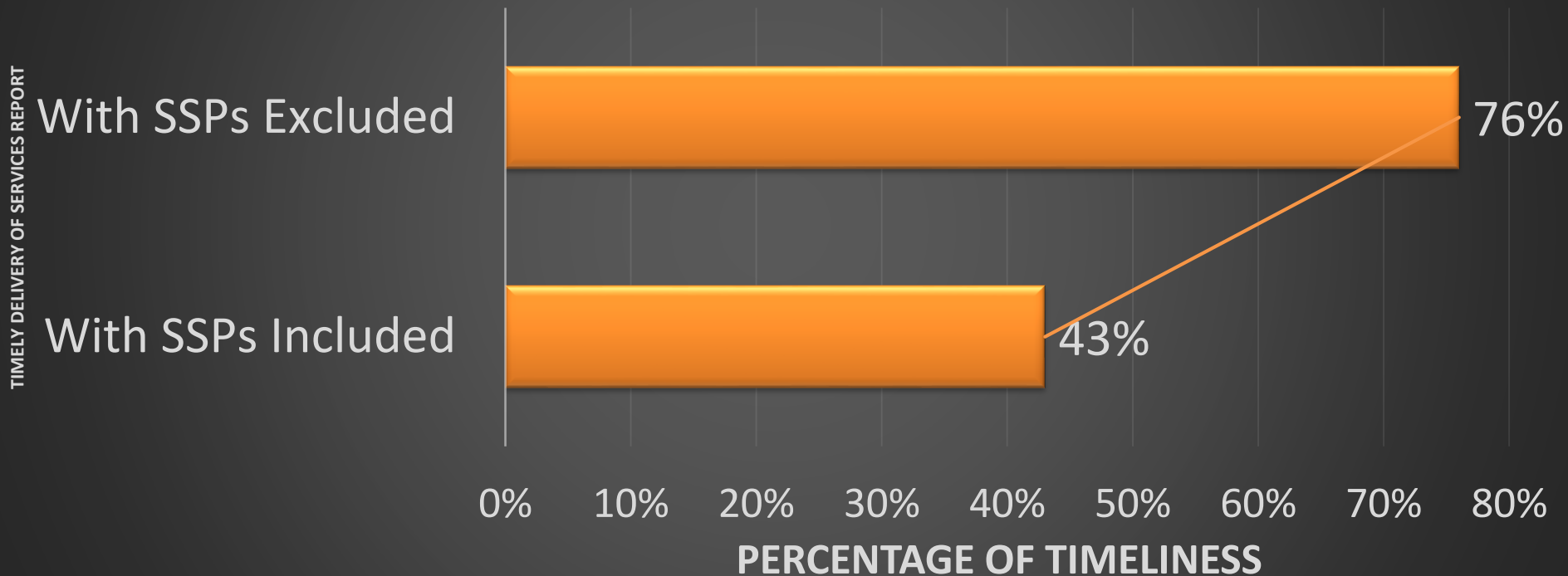
Results (cont.)

Timely Delivery of Services by Service Type



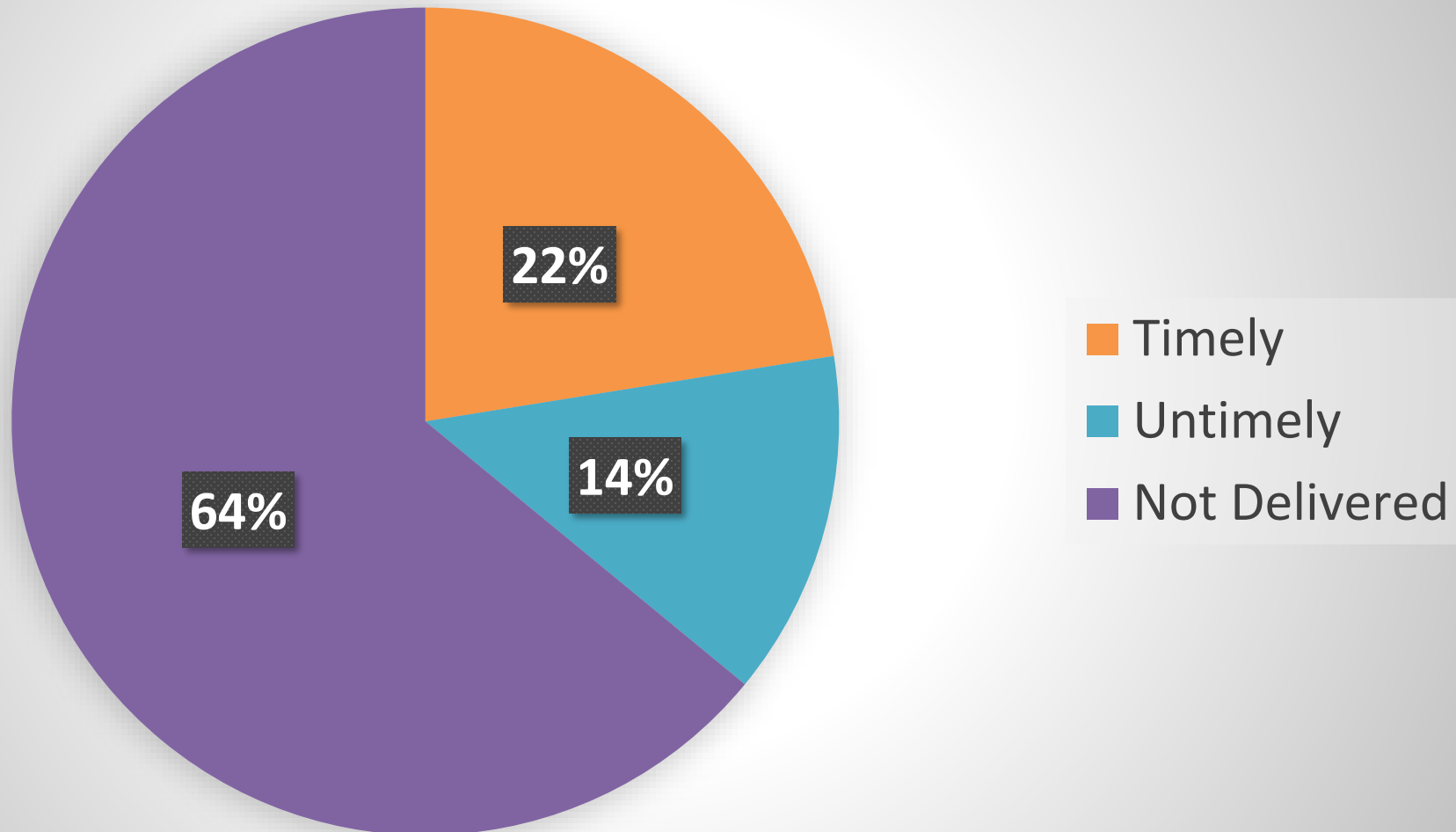
Results (cont.)

The Impact of Consultations (SSPs) On Timely Service Delivery



Results (cont.)

Timeliness of Consultations on Initial IFSPs



Key Observations From Our Results

- Consults identified on initial IFSPs have a significant impact on timely delivery of services
- Most Consults identified on initial IFSPs are either untimely or not delivered
- Primary Service Provider services are significantly more timely than Consults identified on the initial IFSP
- Staff with higher productivity percentages are more likely to provide timely services than those with low productivity

Digging Deeper: Outlier Analysis Tool



Outlier Analysis Tool

outlier_analysis_tool:1 [Read-Only] - Excel

File Home Insert Page Layout Formulas Data Review View Tell me what you want to do...

Paste Clipboard Font Alignment Number Styles

AA8

A B C D E F G H I J K L M N O P Q R S T

IDC IDEA DATA CENTER
Building Capacity for High-Quality IDEA Data

IDEA Data Quality: Outlier Analysis Tool

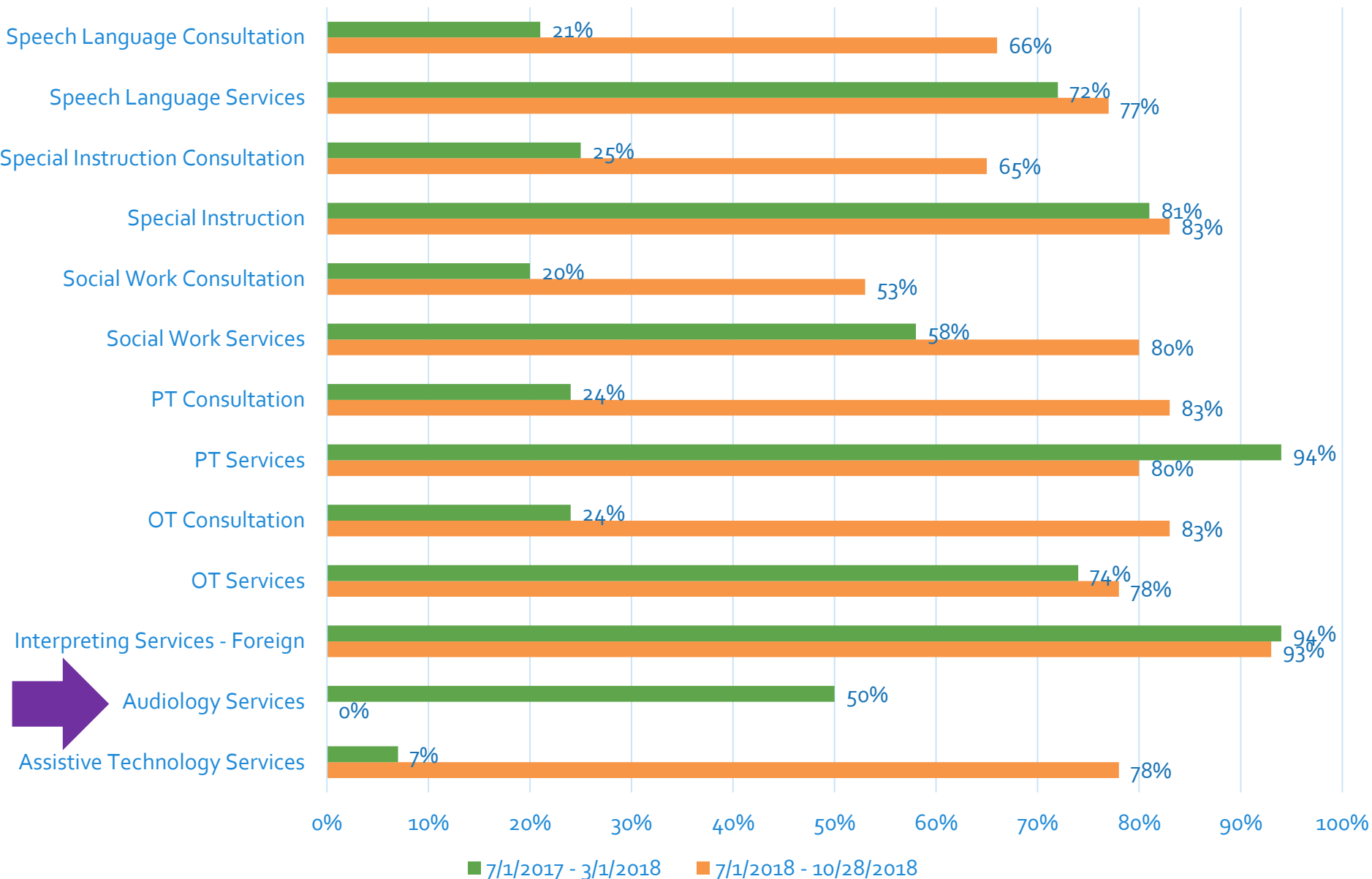
IDEA Data Quality: Outlier Analyses Tools are three technical assistance products IDC designed to be used by the state personnel responsible for the IDEA 618 and/or 616 data. This spreadsheet is a tool state staff can use to conduct outlier analyses with their local data.

Please read the following guidelines before using this tool:

1. To check for outliers, paste data into the "Paste Data Here" worksheet.
2. Column A is used for LEA/LLA names or codes. Row 1 is used for column headers. An example is currently shown; paste over with your own data.
3. Measures should be pasted into columns B through W. In the sample, only columns B through G contain data; paste over with your own data. The worksheet is set up to take up to 1,010 rows of data.
4. An analysis will be automatically run for each column of data. The results will be shown in the Outlier Analysis worksheet.
5. Descriptive results will be shown at the top of each column.
6. The data pasted in will be repeated below the descriptive results, with all identified outliers highlighted.
7. The Outlier Analysis worksheet is currently protected with a password. To remove protection, the password is "Password" without the quotes.

README Paste Data Here Outlier Analysis

Timely Delivery by Service and Consultation Type



Timely Delivery by Site



Lessons Learned

- Access to a large amount of data is valuable only if the data are reliable, analyzed, and acted upon
- The use of data in decisionmaking ensures that resources are used efficiently and with proper focus
- A thorough analysis of data and an easily understandable presentation of the results of that data analysis increase buy-in to proposed guidance
- Ongoing monitoring of data allows for the identification of problems as they arise, the determination of the effectiveness of interventions, and potential need for adjustment of those interventions



It's only a
failure
if you don't
learn
something

Analysis and Use Plan



ANALYSIS AND USE PLAN:

Purpose

What is our broad objective for conducting this analysis?

Primary Question

What specific question do we want to answer through this analysis?

Digging Deeper: Data Meeting Protocol




Data Meeting Protocol

Data Elements	Our Plan	Who Is Responsible?	When Will Work Be Completed?	Additional Resources
<p>What data do we need to answer our question?</p> <p>What data does our Part C program have?</p> <p>What data can we access within our own agency, or obtain from another agency/entity?</p> <p>What elements require a new data collection effort?</p>	<ul style="list-style-type: none"> For each local program, number of referrals, by primary referral source: <ol style="list-style-type: none"> Hospitals, including prenatal and postnatal care facilities Physicians Parents, including parents of infants and toddlers Child care programs and early learning programs Public and private health agencies Other public agencies, including child protective services, foster care, homeless shelters, and domestic violence agencies Early Hearing Detection and Intervention (EHDI) Number of children referred using ASQ, by primary referral source [requires new state data element: Screening Tool] Number of children referred using ASQ and determined eligible, by primary referral source 	<p>State Data Manager, Chadwick Boseman</p> <p>State Part C Coordinator, Letitia Wright</p> <p>Local Data Managers, Angela Basset, Andy Serkis</p>	<p>April 2018</p>	<p>Child Find state and local data</p> <p>State guidance document</p>



Data Meeting Protocol (cont.)

Data Collection Strategies	Our Plan	Who Is Responsible?	When Will Work Be Completed?	Additional Resources
<p>What tools and sources will we use to gather data?</p> <p>What existing processes for obtaining, managing, and storing data will we leverage for this analysis?</p>	<p>Data are currently reported by local programs to the state and stored in the state database, with the exception of the new data element, entitled Screening Tool, which will be added to the data collection.</p> <ul style="list-style-type: none"> Gather referral data from statewide database for current and prior 2 years' reporting cycles, disaggregated by locality. Gather data on children referred from local programs using ASQ for current and prior 2 years' reporting cycles, by primary referral source. Compile and verify data collected from localities. Create new data element for children, referred using ASQ, who <u>were evaluated</u> and determined eligible, by primary referral source. 	<p>State Data Manager, Chadwick Boseman</p> <p>Part C State Data Analyst, Michael B. Jordan</p> <p>Local Part C Coordinators, Forest Whitaker, Lupita Nyong'o</p> <p>Local Data Managers, Angela Basset, Andy Serkis</p>	<p>May 2018</p>	

Data Meeting Protocol (cont.)

Data Analysis Strategies	Our Plan	Who Is Responsible?	When Will Work Be Completed?	Additional Resources
<p>What methods will we use for examining our data?</p> <p>How will we organize the data to find the relevant patterns, trends, relationships for answering our question?</p>	<ul style="list-style-type: none"> • Run descriptive analyses on each data element to examine distribution (e.g., mode, mean, outliers, range, and variance). • Calculate percentage of referrals by source, for each year, by local program. • Calculate percentage of referrals by screening tool by source, for each year, by local program. • Calculate percentage of eligible children by screening tool by source, for each year, by local program. • Produce graphs of the data elements to examine the data (e.g., bar chart, dot plot) and to explore for potential trends among data elements over time (e.g., line graph, scatter plot by year). • Determine the relationship between data elements indicated above through computation of correlation coefficients for each year. 	<p>State Data Manager, Chadwick Boseman</p> <p>Part C State Data Analyst, Michael B. Jordan</p>	June 2018	IDC Outlier Analysis Tool



Data Meeting Protocol (cont.)

Sharing Analysis Results	Our Plan	Who Is Responsible?	When Will Work Be Completed?	<u>Additional Resources</u>
<p><i>Who else needs to see these results?</i></p> <p><i>What formats will best communicate our results and the implications with our stakeholders?</i></p>	<p><u>Findings and plans for improvement will be discussed at state ICC quarterly meeting (e.g., PowerPoint presentation, information brief, infographic).</u></p>	<p>State ICC Chair, Winston Duke</p> <p>State Part C Coordinator, Letitia Wright</p> <p>State Data Manager, Chadwick Boseman</p>	<p>August 2018</p>	<p><u>Updated state guidance manual materials</u></p>



For a Deeper Dive in Data Analysis and Use

Contact your IDC State Liaison

<https://ideadata.org/technical-assistance>

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Evaluation

- The poll questions will appear on the right-hand side.

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Project Officers: Richelle Davis and Meredith Miceli

