



Building Capacity for High-Quality *IDEA* Data



IDC Interactive Institutes 2018

Building a Culture of High-Quality Part B Data

Understanding Data Quality in the Context of the State Systemic Improvement Plan

Orlando, FL – February 21-22, 2018

Tamara Nimkoff, IDC

Austin, TX – March 7-8, 2018

Tamara Nimkoff, IDC

Intended Outcomes

Participants will increase their understanding of how

- Data quality impacts the State Systemic Improvement Plan (SSIP)
- Specific principles of high-quality data can be applied to each step in the SSIP evaluation

Ensuring High-Quality Data

- You rely on data to
 - Inform decisions across services, procedures, and programs
 - Support the needs of students with disabilities and their families
- To serve these purposes effectively, data must be of high quality
- Quality data do not just happen...they require attention to processes

Considering Data Quality in the SSIP

State Phase III Report Organizational Outline

- States should consider
 - Data issues that affect reports of progress in implementing the SSIP and achieving the State-identified Measurable Result (SiMR)
 - Concerns or limitations related to the quality or quantity of the data
 - Implications of data quality for assessing progress or results
 - Plans for improving data quality

States Are Taking SSIP Data Quality Into Account

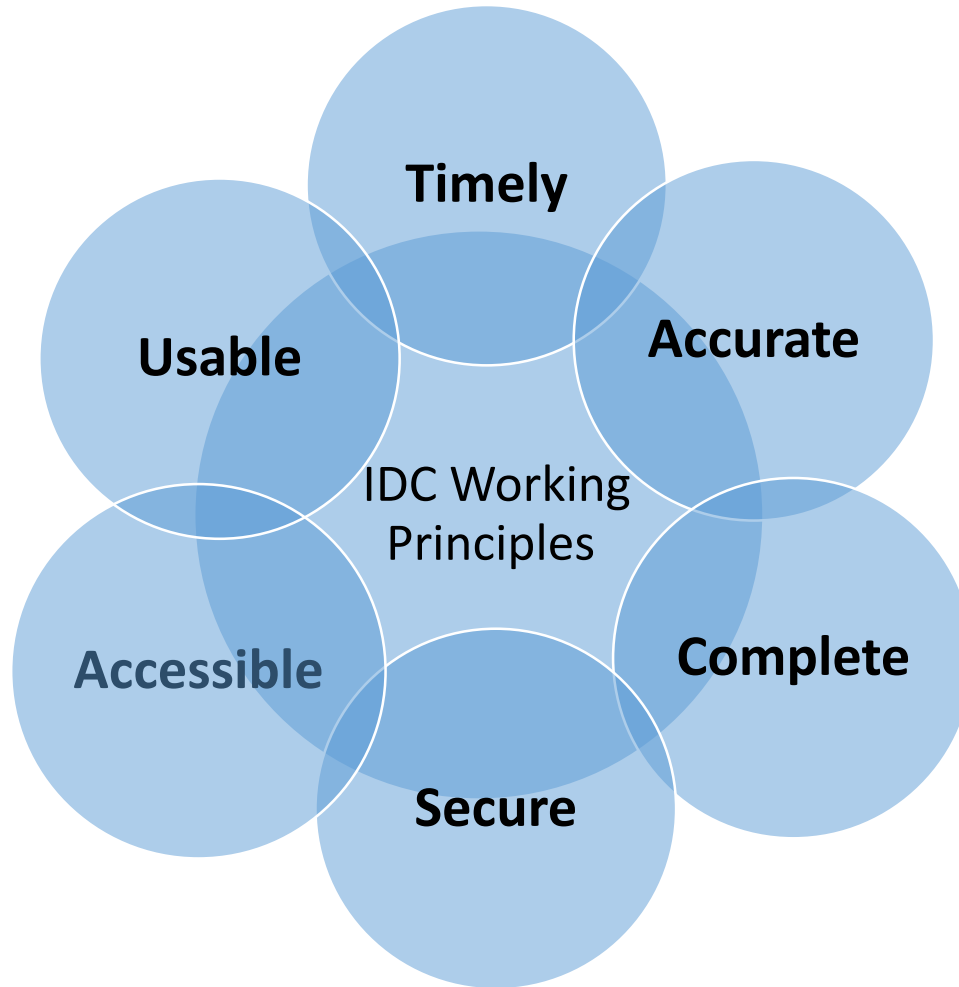
In their SSIP Phase III Year 1 reports, the majority of Part B states

- Noted limitations or issues with the quality or quantity of data they were collecting, which impacted their ability to assess progress
- Reported plans to improve data quality moving forward

Defining High-Quality Data in the SSIP

- High-quality SSIP data are
 - Obtained through well-designed and well-executed data collection procedures
 - Managed with attention to accurate data entry and data cleaning
 - Analyzed using appropriate methods
 - Used appropriately for decisionmaking
- Implications at each point where data are collected, analyzed, and used

Applying the Principles of High-Quality Data



Timely SSIP Data

- **Timely** data are current per a specific period of time
- For the SSIP
 - Up-to-date for the period of SSIP activities
 - Collected at intervals allowing for assessment of SSIP progress

Accurate SSIP Data

- **Accurate** data are consistent across time, methods, and locations (reliable) and represent what they intend to measure (valid)
- For the SSIP
 - Evaluation measures align with the theory of action and have reliability and validity
 - Processes ensure accurate data collection, entry, verification, and storage
 - Analysis methods are appropriate for the type of data identified and questions being answered

Complete SSIP Data

- **Complete** data represent the expected population and subgroups
- For the SSIP
 - Collected at the relevant levels of student, family, provider, district, state
 - Representative of the groups exposed to the coherent improvement strategies

Secure SSIP Data

- **Secure** data are collected and stored with due consideration to maintaining confidentiality and with electronic and physical protections consistent with the sensitivity of the data
- For the SSIP
 - Collected, managed, stored, transmitted, used, reported, and destroyed in ways that preserve privacy and confidentiality of students, families, providers, etc.
 - Agencies have appropriate data-sharing agreements with third parties, such as external evaluators

Accessible SSIP Data

- **Accessible** data are readily available in formats that are understandable, user-friendly, and practical
- For the SSIP:
 - Available to relevant decisionmakers in usable formats
 - Disseminated to stakeholders on an ongoing basis and in a user-friendly manner

Usable SSIP Data

- **Usable** data support decisionmaking for sound management, strong governance, and improvement of results for children and youth with disabilities and their families
- For the SSIP
 - Allow comprehensive analyses that assess progress toward achieving intended improvements and outcomes necessary for achieving the SiMR
 - Meaningfully inform next steps in the SSIP implementation

More on State-Reported SSIP Data Quality Issues

- Common data issues across the principles, such as
 - Timeliness (data not collected on interim basis)
 - Accuracy (lack of valid and reliable tools for data collection)
 - Completeness (low response rates)
 - Usability (limited data for decisionmaking)

Principles in Action in the SSIP

- Applying the principles of high-quality data to the SSIP can help identify
 - Common data quality issues at each step in the SSIP evaluation
 - How data quality issues impact the ability to assess progress and results
 - Potential strategies for improving data quality

Resources and Support

- For individualized TA support related to data quality in the SSIP, [Contact your IDC State Liaison](#)
- Join us for the upcoming Workshop focused on
 - Identifying data quality issues that interfere with assessing progress in SSIP implementation and improvement toward the SiMR
 - Strategies for improving data quality to support decisionmaking and achievement of results

For More Information

IDC Visit the IDC website
<http://ideadata.org/>



Follow us on Twitter
<https://twitter.com/ideadatacenter>



Follow us on LinkedIn
<http://www.linkedin.com/company/idea-data-center>

This presentation was supported by a grant from the U.S. Department of Education, #H373Y130002. However, the contents do not necessarily represent the policy of the U.S. Department of Education, and you should not assume endorsement by the federal government.

Project Officers: Richelle Davis and Meredith Miceli

