Presenters

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Participant Outcomes

- Understand the principles of high-quality data

- Learn how to recognize data quality issues in SSIP work

- Gain potential solutions for addressing data quality issues in SSIP

Agenda

- Principles of high-quality data

- How the principles manifest in SSIP work

- Activities
  - Identify the principle
  - Identify consequences and propose a solution

Principles of High-Quality Data

Timely

Accurate

Complete

Secure

Accessible

Usable

Timeliness

Timely data are current per a specific period of time

Accuracy

Accurate data are consistent across time, methods, and locations (reliable) and represent what they intend to measure (valid)

Completeness

Complete data represent the expected population and subgroups

Security

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

Accessibility

Accessible data are readily available in formats that are understandable, user friendly, and practical

Usability

Usable data support decisionmaking for sound management, strong governance, and improvement of results for children and youth with disabilities and their families
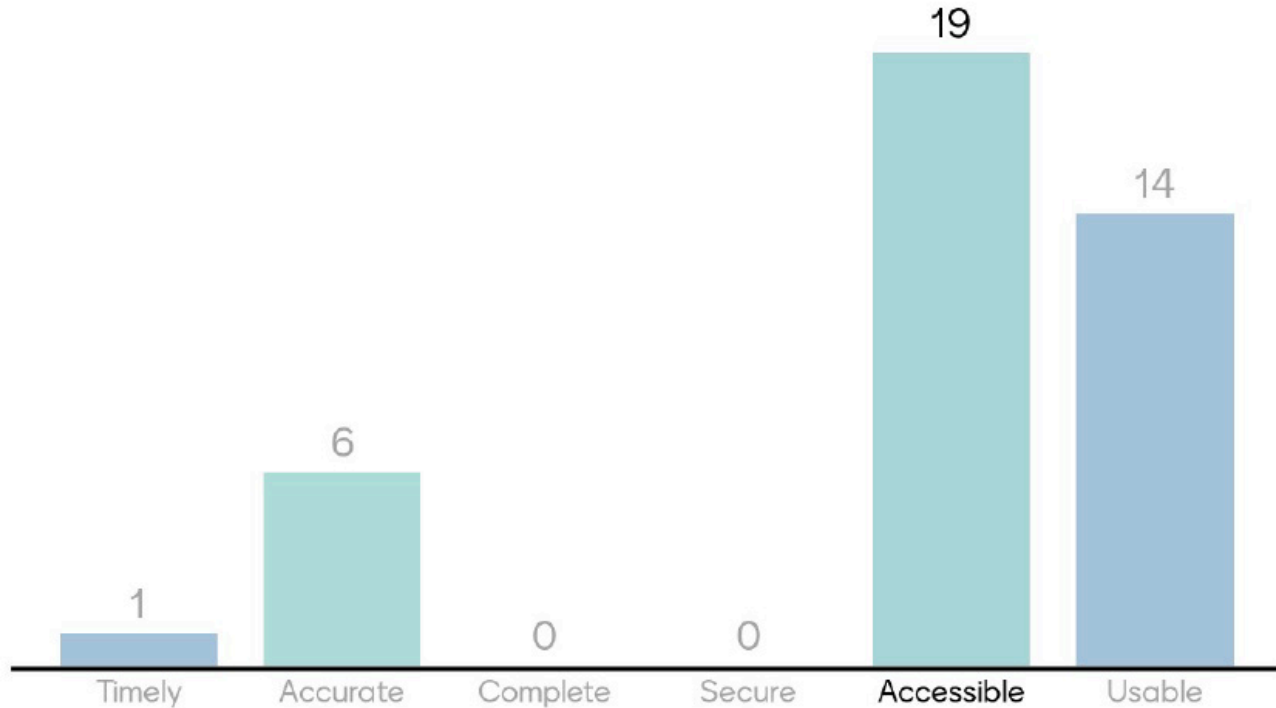
Let's Practice!

Three short scenarios

- Identify the data quality principle involved
- Discuss potential consequences of the data quality issue
- Brainstorm potential solutions to address the issue

Data Quality Issue: Scenario 1

LEAs provide student demographic and outcome data for the evaluation to the state, but the data are in different formats (Excel, SPSS, Word tables) and the labeling in the data files is inconsistent.
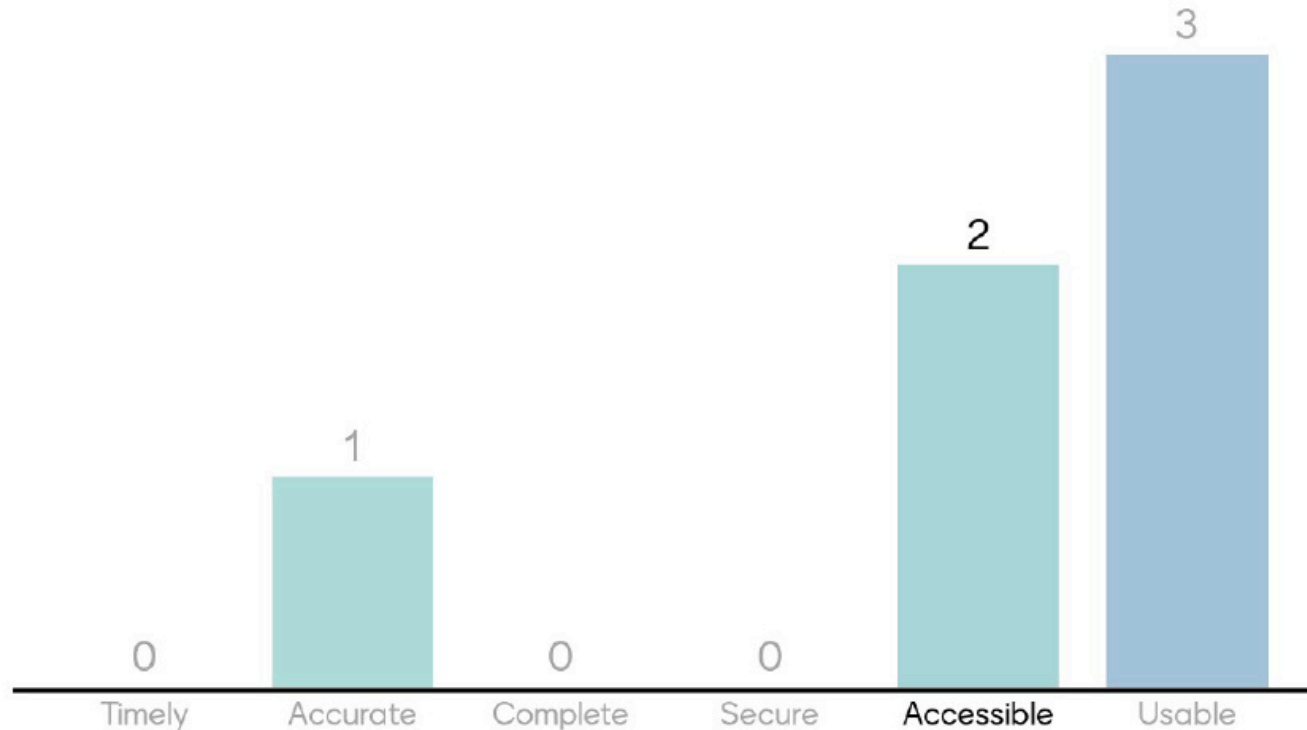
What is the primary data quality principle involved?

Student demographic and outcome data arrive in different formats with inconsistent labelling

Source: Third-party application (Mentimeter).

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Student demographic and outcome data arrive in different formats with inconsistent labelling (cont.)

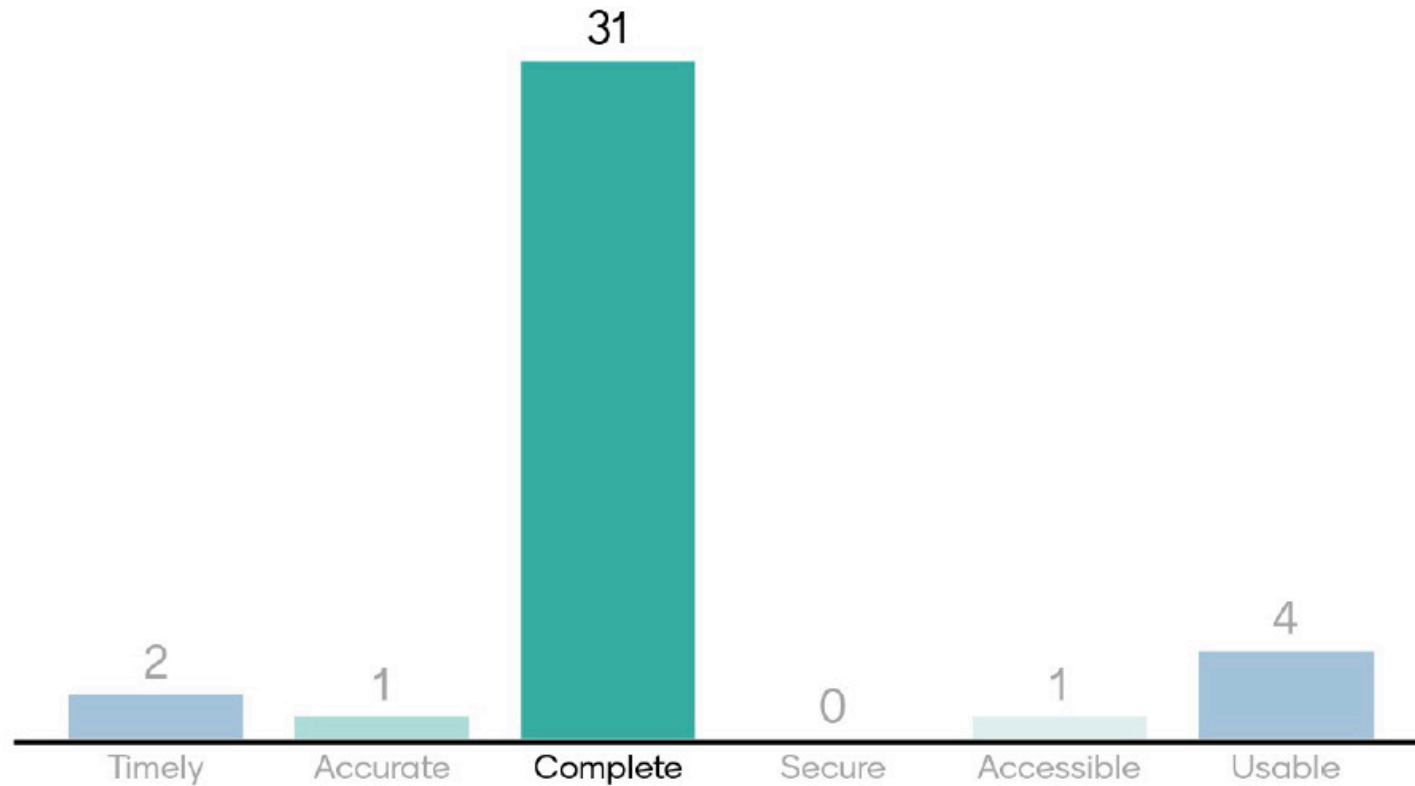Source: Third-party application (Mentimeter).

Data Quality Issue: Scenario 2

Parents are asked to complete a survey, but few (average 11%) provide responses.

What is the primary data quality principle involved?
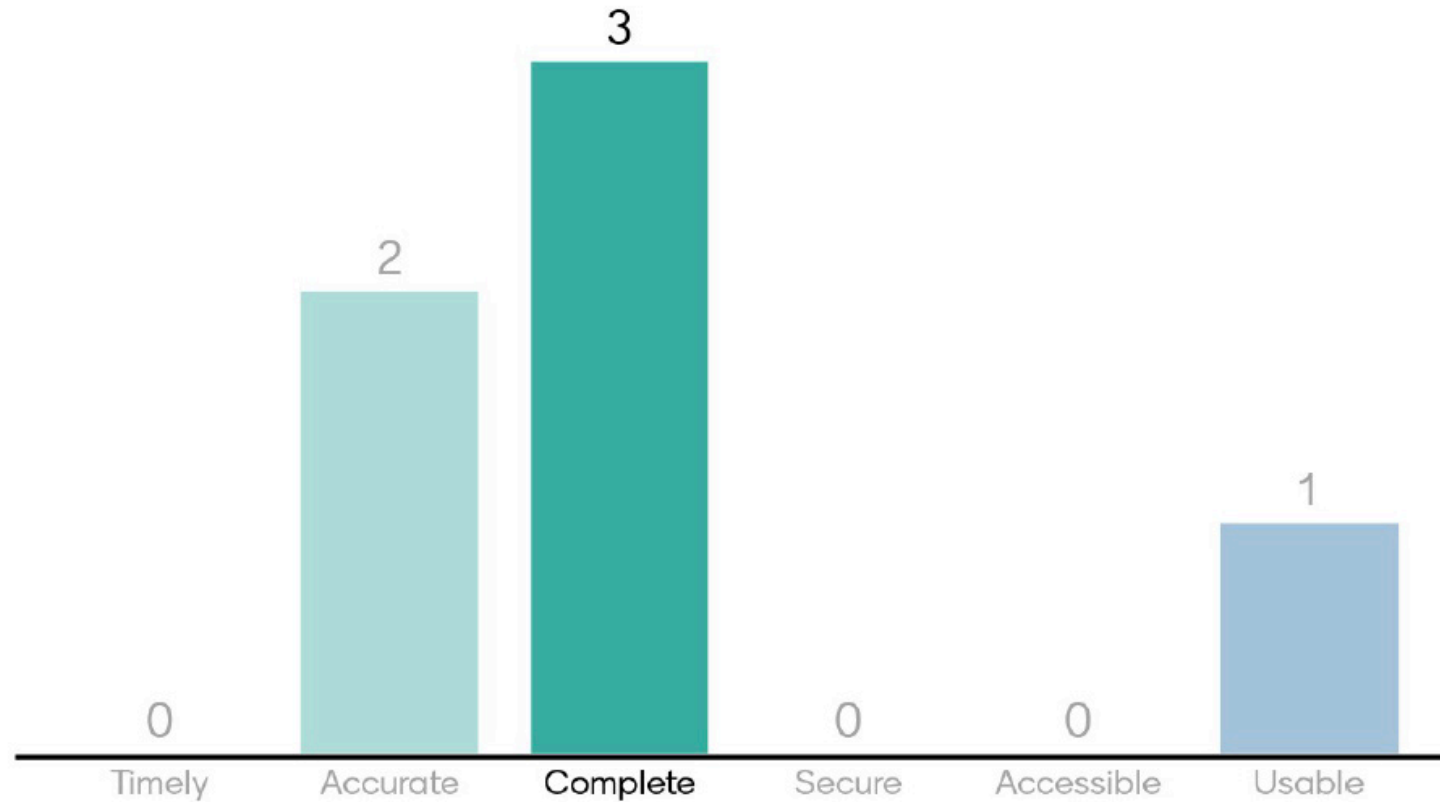
Only around 11% of parents complete a survey

Source: Third-party application (Mentimeter).

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Only around 11% of parents complete a survey (cont.)

Source: Third-party application (Mentimeter).

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Data Quality Issue: Scenario 3

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SSIP evaluators conduct a baseline assessment of practitioner knowledge after the professional training program started.

What is the primary data quality principle involved?

The baseline assessment of practitioner knowledge is given after the professional development started
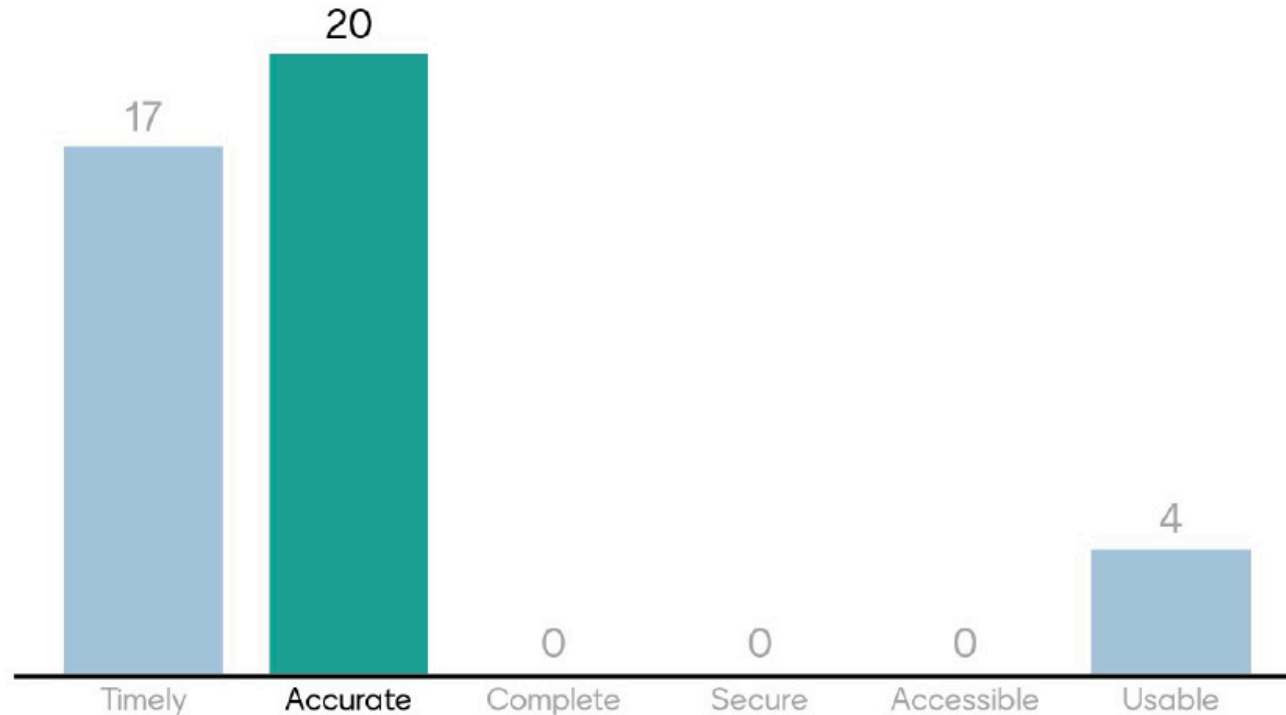
Source: Third-party application (Mentimeter).

The baseline assessment of practitioner knowledge is given after the professional development started (cont.)

Source: Third-party application (Mentimeter).

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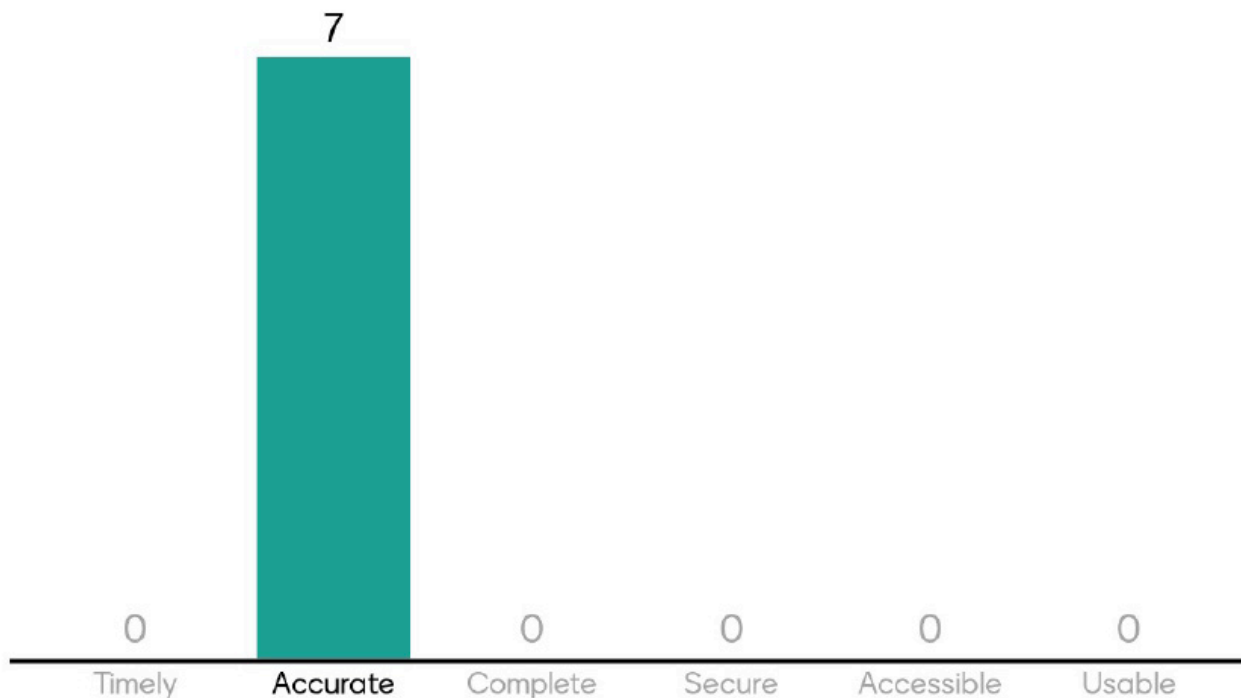
Addressing Data Quality Issues: Scenario 1

How could we ensure data that come from the LEAs are accessible for the state's evaluation?

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How could we ensure that data coming from the LEAs are accessible for the state's evaluation?

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Provide template for data	Create standardized protocols.	List format for submission
AI data in the same format	Provide templates	Provide templates
Require a single format	Prescribe or recommend a standard format	Common forms or surveys

Source: Third-party application (Mentimeter).

How could we ensure that data coming from the LEAs are accessible for the state's evaluation? (cont.)

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Provide a template	Provide a unifiorm submission portal	standard template
Do proactive webinars for LEAs.	Standard format and naming conventions	Give them guidance doc or template
Suggest they are uploaded and housed in one place with templates	Provide guidelines on reporting formats, provide data system to use with standard outputs	There should be a data warehouse that can be easily accessible

Source: Third-party application (Mentimeter).

How could we ensure that data coming from the LEAs are accessible for the state's evaluation? (cont.)

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Provide common template for data set	Provide guidelines including templates to the LEAs	Templates
Provide a format that standardized the labels and format	Provide the districts with the usable data elements/ templates	Temple
Provide required format	Training for respondents about survey expectations	

Source: Third-party application (Mentimeter).

How could we ensure that data coming from the LEAs are accessible for the state's evaluation? (cont.)

Central repository

Provide templates for data collection

Give parents an incentive to respond

Templates/ intuitive excel sheets already set up, with certain cells (headers) locked

Mapping

Source: Third-party application (Mentimeter).
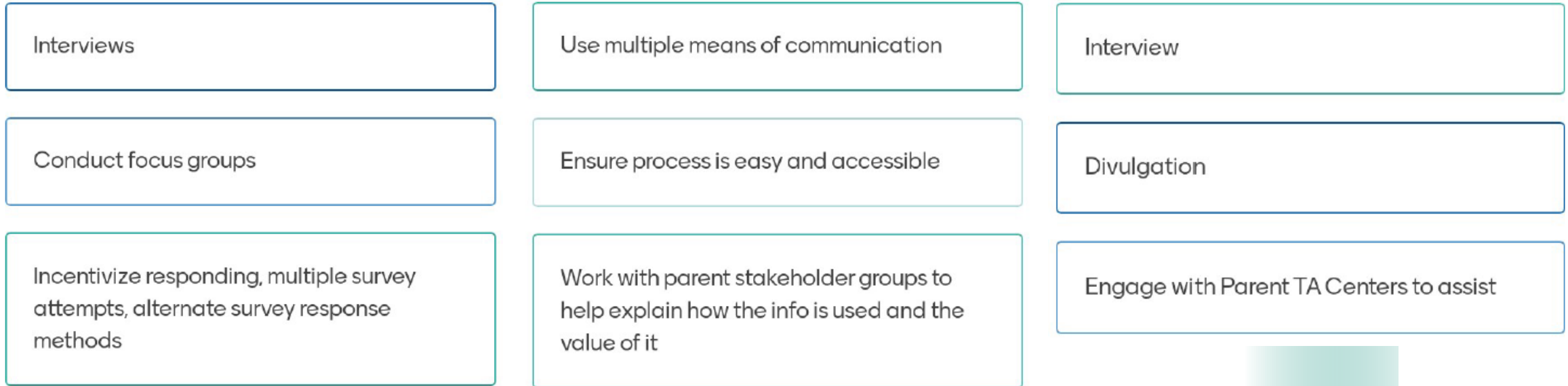
Addressing Data Quality Issues: Scenario 2

What could we do to have more complete data from our parent survey?

What could we do to have more complete data from the parent survey?

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Interviews	Use multiple means of communication	Interview
Conduct focus groups	Ensure process is easy and accessible	Divulgation
Incentivize responding, multiple survey attempts, alternate survey response methods	Work with parent stakeholder groups to help explain how the info is used and the value of it	Engage with Parent TA Centers to assist

Source: Third-party application (Mentimeter).

What could we do to have more complete data from the parent survey? (cont.)

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Address language barriers (make survey available in multiple languages)	Survey prominently displayed on SEA and LEA websites/presentations	Incentivize response
Ensure multil-modal, multi lingual distribution of link	Interviews	Make sure survey tool has different language options
Encourage LEAs to advertise survey on social media	Simplify the questionnaire	post focus groups; 2nd round for nonresponders
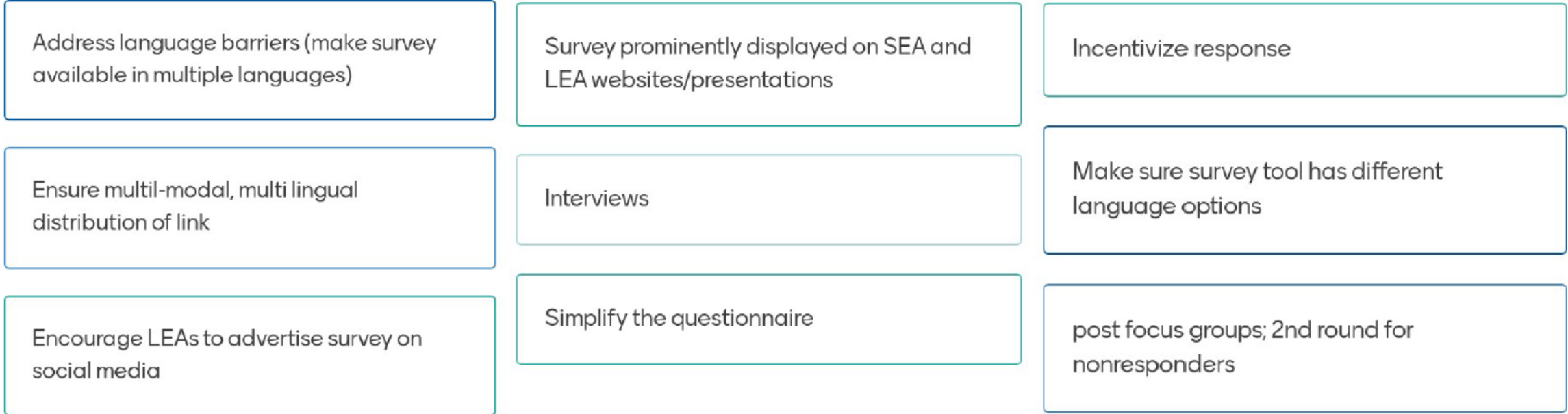
Source: Third-party application (Mentimeter).

What could we do to have more complete data from the parent survey? (cont.)

Use several methods	Focus groups	Share back how past data was used
Offer time for surveys to be completed at different times when parents can receive support.	Set up survey stations at parent events.	Target all parents. Collaborate with your districts to heighten public awareness of the the data collection process.
Incentivize	Provide multiple times, avenues, and modes of communication to inform of why the data is important	Make sure questions are readily accessible to parents

Source: Third-party application (Mentimeter).

What could we do to have more complete data from the parent survey? (cont.)

simplify the survey

Incentives

Use a representative sample instead of a census

Translate survey for non Native English speakers

Source: Third-party application (Mentimeter).

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Addressing Data Quality Issues: Scenario 3

How could we ensure more accurate assessment of practitioner knowledge?

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How could we ensure more accurate assessment of practitioner knowledge?

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Pre and post surveys	Pre and post tests	Pre-post questions that are specific to the training
Insert pre survey as part of registration.	Pre-survey	Pre and post survey
Ensure PD providers are aware of timelines and expectations. 👩	Progress monitoring to understand incremental improvement instead of simply pre/post	Do the pretest before PD starts next time 🤷

Source: Third-party application (Mentimeter).

How could we ensure more accurate assessment of practitioner knowledge? (cont.)

Ask about what they've learned so far (I.e. what the previously didn't know)	Self assessment of practice change using artifacts from teaching from before the PD	retro-evaluation
Condition training commencement on the completion of baseline assessment	Pretext as part of intro to training session	It's will drive the composition of the professional development activities
Track change in knowledge from point of first assessment	Exclude the data that are inaccurate, or report those data with interpretive caution and full explanation	Give a unique code for review all people answers before the training

Source: Third-party application (Mentimeter).

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How could we ensure more accurate assessment of practitioner knowledge? (cont.)

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Provide live and asynchronous training/information	Such as state exams ??
Make survey a retrospective pre/post type to establish knowledge gain	Questions/answers that can be used for comparative reliability
Participant evaluate on scale of before and after	Make sure to give the assessment before the next training

Source: Third-party application (Mentimeter).

Related Resource

New! *[Checklist for Identifying and Addressing SSIP Data Quality Issues](#)*

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What actions will you take to commit to being a Data Quality Influencer?

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