

APCD Management: Best Practices in Data Quality Assurance

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Background

- SSS is a leading public health research organization with a mission to improve public health worldwide
- We provide data processing, analytic, and technology services to Federal and State clients
- 17 years of experience supporting Maryland APCD
- 35+ years of experience with Health Care Data

Accessing Data Quality

Relevant, Complete, Accurate, Accessible, Timely Data...

- Lack of common data specifications
- Claims Administration vs. Research Use
- Inadequate systems for ensuring that data are accurate
- Lack of SME knowledge to interpret quality issues
- Delays between data compilation and dissemination



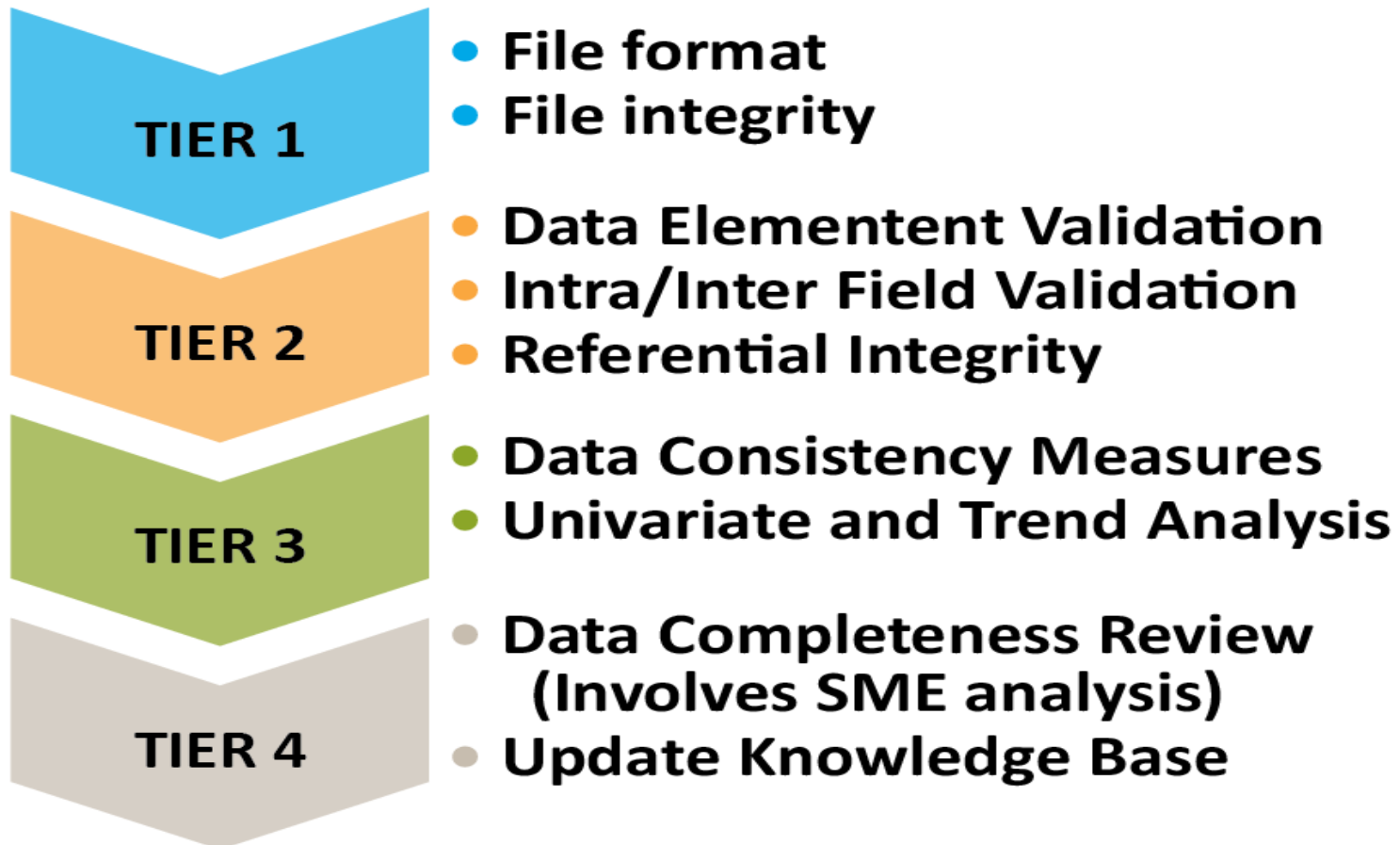
Source of Data Quality Issues

Tackling Data Quality From The Source

- Unclear data specifications
- Misinterpretation or understanding of the data specifications
- Data merged from multiple source systems
- Incorrect mapping of fields
- Programming errors

Approach

Data Quality Assessment Approach



Solutions

Mechanisms to Improve Data Quality





Solutions

Mechanisms To Improve Data Quality

- Introduce new technologies
 - Automated Submission & Feedback
 - Data Warehouse & ETL Platforms
 - Data Visualization Tools
- Promote a culture of data use
 - Go beyond standard reporting
 - Augment with new sources
- Make data more accessible
 - Present data in ways appropriate to different users
 - Data sharing approaches to uncover trends via linking



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