



# Fundamentals of Data Quality Assurance (DQA) in Monitoring and Evaluation

**Preston Associates International Development**

**August 28, 2024**

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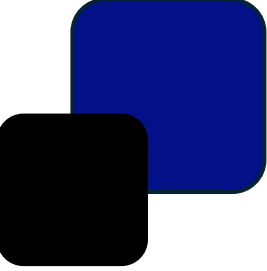
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# Introduction to Data Quality Assurance (DQA)



- Data Quality Assurance (DQA) is a **systematic approach** to maintain data integrity by proactively validating **data accuracy, completeness, reliability, and consistency.**
- The success of Monitoring and Evaluation (M&E) in generating actionable insights for informed decision-making depends on the quality of data used.

# Introduction to Data Quality Assurance (DQA) - 2

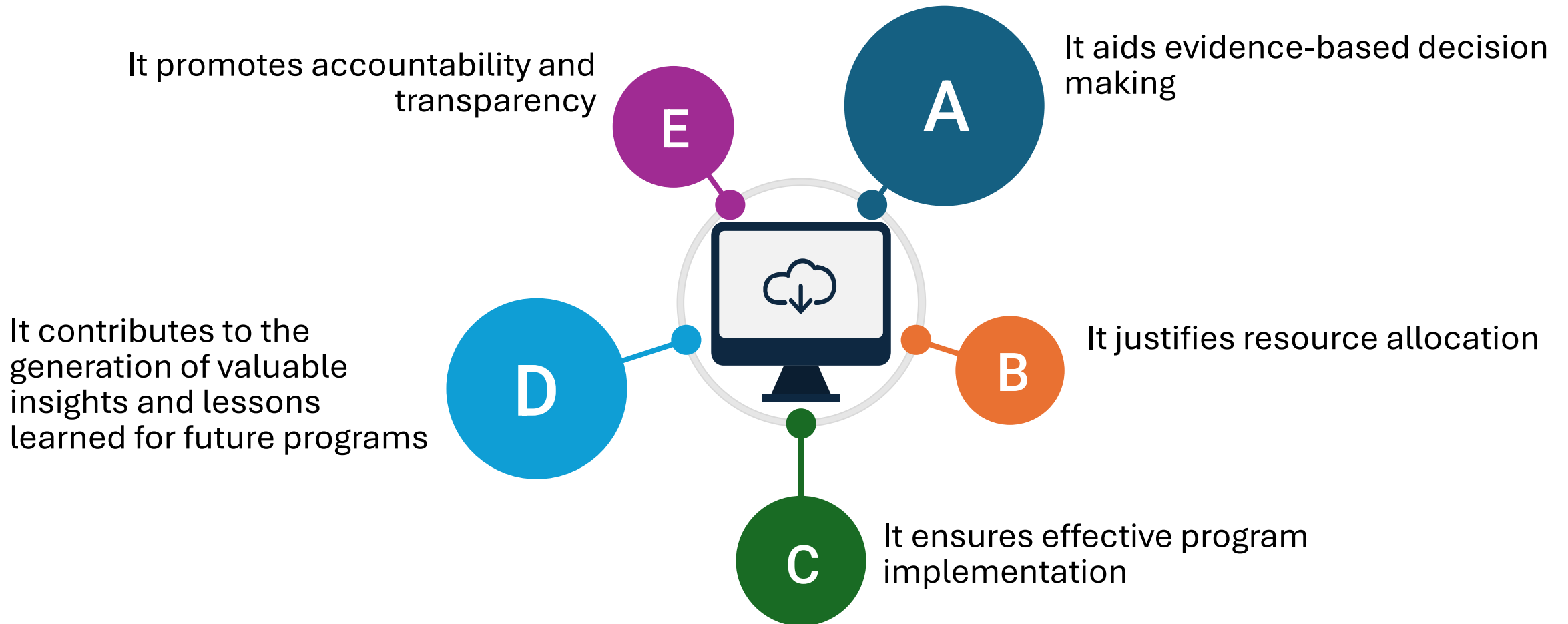
Data quality assurance serves as the foundation responsible **not just for assuring that what we count truly counts**, but rather it represents **a true sample from reality of certain phenomena**.

Assuming the data collected ends up full of errors, discrepancies or is incomplete. There will be misinformation resulting to poor outcomes and misguided decisions, misallocated resources and affect initiatives.

Therefore, data quality assurance remains a crucial and indispensable element of M&E.



# Importance of DQA in M&E



# Data Quality Dimension

Data quality metrics are essential as it serves as a quantifiable way to assess the health of the data across various dimensions as follows;





# Data Quality Standards and Practices

**Data Quality Audits**

**Data Cleaning and Validation Checks**

**Data Documentation**

**Data Format**

**Data Management**

**Data Collection & Monitoring**

**Feedback Mechanisms**

**Training and Capacity Building**

**Data Backup and Recovery**

**Data Security and Privacy**

# Data Cleaning and Validation Techniques



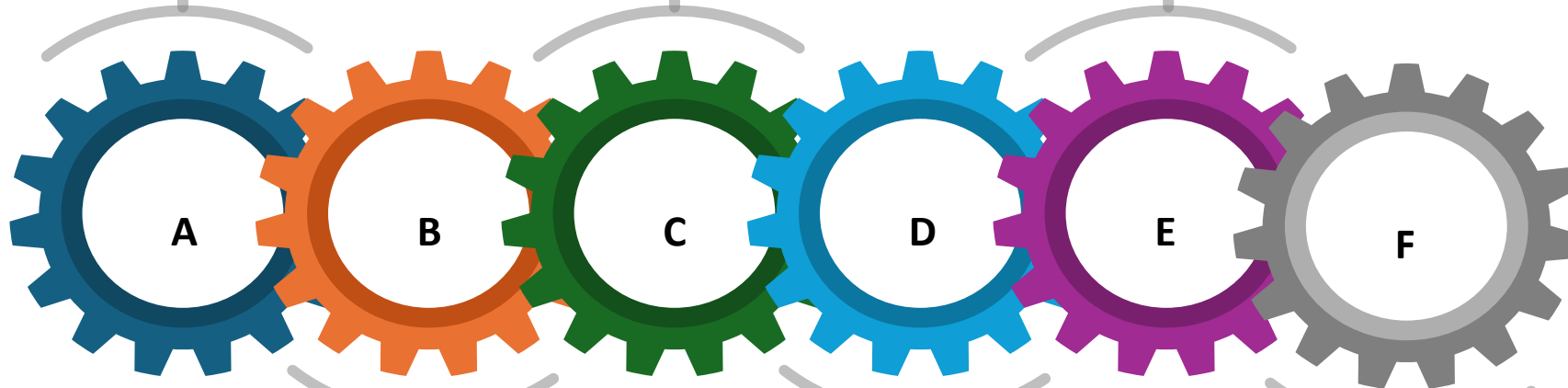


# Data lifecycle for DQA

Data Planning and Design (Recruitment of field personnel & Scripting of tool)

Data validation and verification

Data Analysis and Reporting



Data Collection (Alignment with methodologies, sample distribution, etc)

Data Entry and Processing

Data Utilization (Evidence based decision-making on the use of data for target audiences)



# Most Common Challenges in Implementing a Robust DQA System



# Conclusion/Recap





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