ADVANCES IN SOLUTIONS FOR DATA QUALITY

For data to be useful, they must be trusted

How far have we come?
Where do we need to go?

THE GOAL

High-quality Data Are:
- Accurate
- Reliable
- Precise
- Complete
- Timely
- Trusted
- Confidential

2013 SITUATION

Paper-based health data
Paper-based tools to assess data quality

2014–2018 ADVANCES

Human capacity built to more accurately record data
Human capacity built to understand and use data, increasing the demand for better data
Tool developed to assess gender-related data and sex-disaggregated data quality
Tool developed to assess geospatial data quality
Addition of tools to evaluate data quality across all health levels and programs

NEXT

Digital tools to assess digital data quality
Country-wide access and capacity to use those tools
Scale up digital platforms for fast, comprehensive data collection
Explore machine learning as a means to assess digital data quality

Citation:
Routine Health Information System (RHIS) Curriculum
https://www.measureevaluation.org/our-work/routine-health-information-systems/rhis-curriculum

Introduction to Basic Data Analysis and Interpretation for Health Programs: A Training Toolkit
https://www.measureevaluation.org/resources/training/capacity-building-resources/basic-data-analysis-for-health-programs

Monitoring and Evaluation Capacity Assessment Toolkit
https://www.measureevaluation.org/pima/m-e-capacity/me-capacity

Gender
Gender-Integrated Routine Data Quality Assessment (RDQA+G) Tool

Data Quality Assessment
Data Quality Review (DQR) Toolkit

Routine Data Quality Assessment Tool - User Manual
https://www.measureevaluation.org/resources/publications/ms-17-117

Data Quality Audit Tool (DQA): Guidelines for Implementation

Routine Data Quality Assessment (RDQA) Curriculum Materials

Data Quality Course from the Global Health eLearning Center
https://www.globalhealthlearning.org/course/data-quality

mHealth for Health Information Systems in Low- and Middle-Income Countries – Challenges and Opportunities in Data Quality, Privacy, and Security
https://www.measureevaluation.org/resources/publications/tr-16-140

Scaling mHealth for Community-Based Health Information Systems—Lessons and Best Practices
https://www.measureevaluation.org/resources/publications/gr-17-004

Building Leadership for Data Demand and Use: A Facilitator’s Guide
https://www.measureevaluation.org/resources/publications/ms-13-59

Quick Guide: Data Demand and Use in the Health Sector
https://www.measureevaluation.org/resources/publications/ms-11-47

Data Use

Geospatial Data
Spatial Quality and Anomalies Diagnosis (SQUAD) Tool
https://www.measureevaluation.org/resources/tools/geographic-information-systems/squad-tool

Digital Data

Platform Scale

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