

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

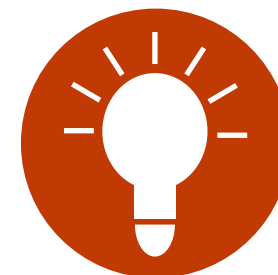
Human capacity built to more accurately record data

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

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MEASURE Evaluation DATA QUALITY MATERIALS

Human Capacity

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>

Data Use

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>

Gender

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

<https://www.measureevaluation.org/our-work/gender/gender-integrated-routine-data-quality-assessment-rdqa-g-tool/gender-integrated-routine-data-quality-assessment-rdqa-g-tool>

Geospatial Data

Spatial Quality and Anomalies Diagnosis (SQUAD) Tool

<https://www.measureevaluation.org/resources/tools/geographic-information-systems/squad-tool>

Data Quality Assessment

Data Quality Review (DQR) Toolkit

<https://www.measureevaluation.org/our-work/data-quality/data-quality-review>

Routine Data Quality Assessment Tool - User Manual

<https://www.measureevaluation.org/resources/publications/ms-17-117>

Data Quality Audit Tool (DQA): Guidelines for Implementation

<https://www.measureevaluation.org/resources/publications/ms-https://www.measureevaluation.org/resources/publications/ms-07-1908-29>

Routine Data Quality Assessment (RDQA) Curriculum Materials

<https://www.measureevaluation.org/resources/tools/health-information-systems/data-quality-assurance-tools/routine-data-quality-assessment-rdqa-curriculum-materials>

Data Quality Course from the Global Health eLearning Center

<https://www.globalhealthlearning.org/course/data-quality>

Digital Data

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>

Platform Scale

Scaling mHealth for Community-Based Health Information Systems—Lessons and Best Practices

<https://www.measureevaluation.org/resources/publications/gr-17-004>