

# The 12 QUANTUM Data Quality & Utility Dimensions

Understanding how QUANTUM evaluates data quality and utility in 12 key dimensions

## COVERAGE

*Is the data representative?*

**Population Coverage**  
Dataset includes all potential eligible population members.

**Population Representativity**  
Data adequately represents the target population.

**Accessibility**  
Clear and transparent access and usage conditions.

**Data Provenance**  
Detailed documentation of data generation and validation.

**Compliance**  
Data adheres to ethical standards and regulations.

**Accuracy**  
Data correctly measures what it is designed to measure.

**Precision**  
Data approximates reality with a high degree of accuracy.

**Coherence**  
Data maintains uniformity in representation and meaning across sources and time.

**Consistency**  
Data attributes are plausible and uniform with other data.

**Validity**  
Data representations conform to data model specifications.

**Completeness**  
All potentially available information is present in the dataset.

**Metadata Scope**  
Comprehensive metadata helps users understand the dataset.

## TECHNICAL QUALITY

*Is the data reliable?*

## ACCESS & PROVISION

*Is the data accessible?*

## DATA DOCUMENTATION

*Is the data well documented?*

**QUANTUM**  
THE HEALTH DATA QUALITY LABEL

[www.quantumproject.eu](http://www.quantumproject.eu)

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