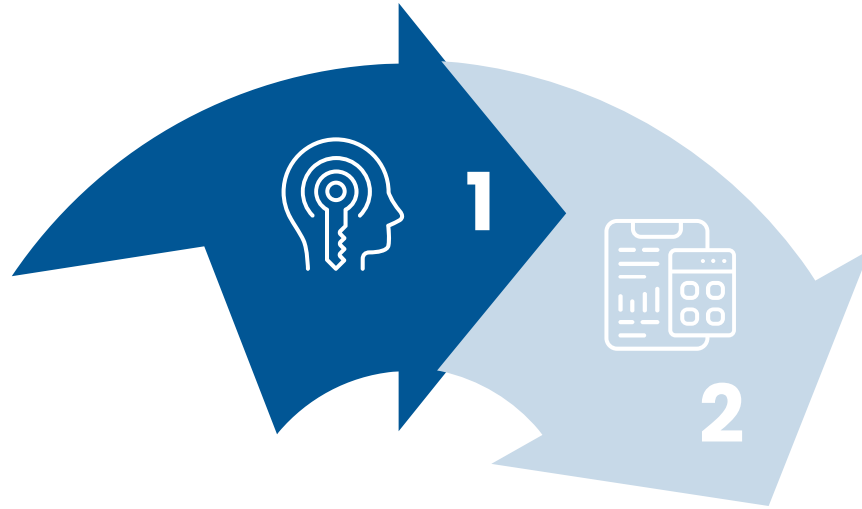


# i~HD Data Quality Curriculum



1. Define objectives and approach
  - Why is data quality important to our healthcare setting?
  - Define data quality problem(s).
  - Define objective(s).
  - Understand the relevant needs.
  - Understand the relevant data.
  - Define communication plan.

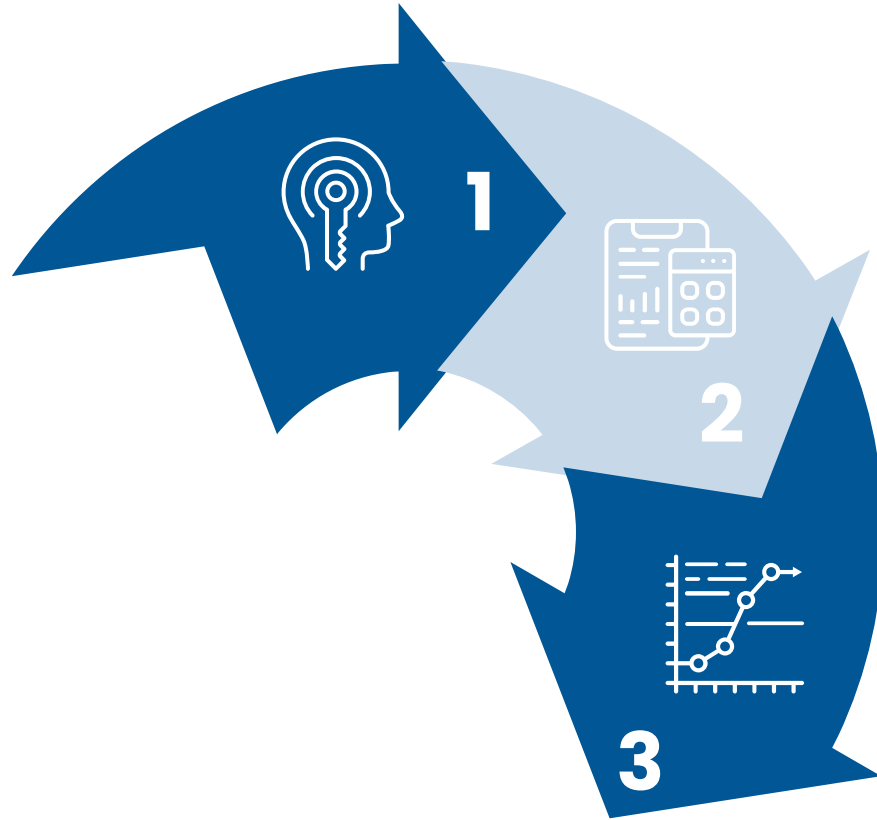
# i~HD Data Quality Curriculum



## 2. Analyze data environment

- Understand relevant requirements.
- Understand relevant data and specifications.
- Understand relevant technology.
- Understand relevant processes.
- Understand relevant people/organizations.
- Define the information life cycle.
- Define data quality dimensions.
- Design data capture and assessment plan.

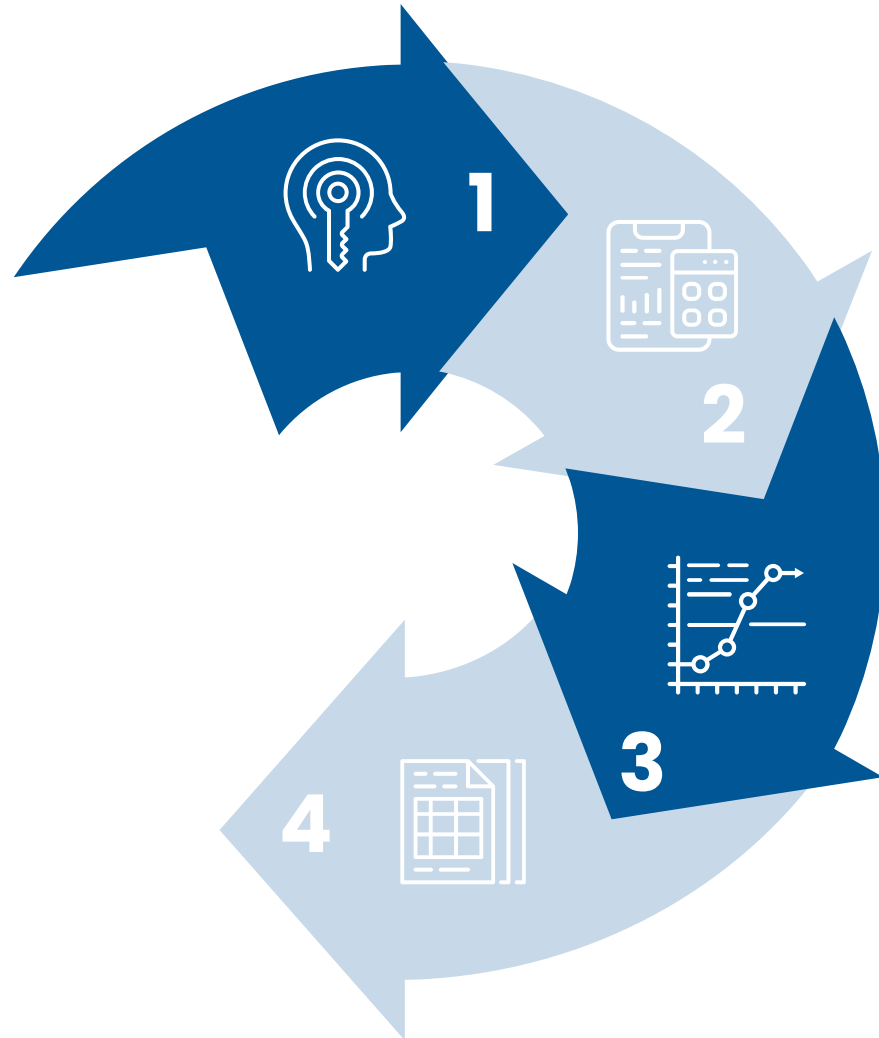
# i~HD Data Quality Curriculum



## 3. Assess data quality

- Assess and evaluate data quality for dimensions applicable to the issue.
- Define tools, techniques and processes used to assess and measure each dimension.
- Assess business impact → financial investment in data quality.

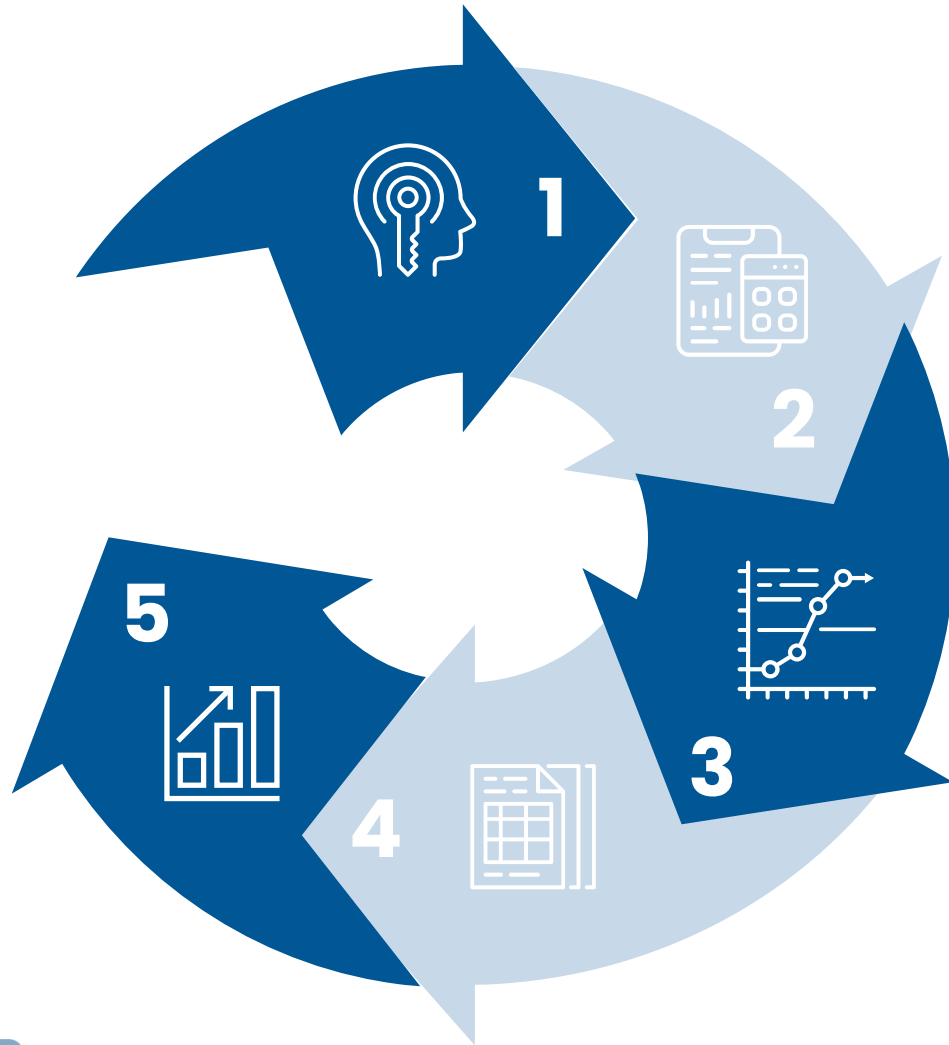
# i~HD Data Quality Curriculum



## 4. Analyzing the results.

- Define factors influencing the quality of the data?
- Develop recommendations for addressing the root causes.
- Statistical methods to compensate.

# i~HD Data Quality Curriculum



## 5. Improvement strategies.

- Develop data quality improvement strategies.
- Data quality monitoring in clinical trials.
- Interoperability and data quality.
- Prevent future data errors.
- Implement controls.
- The FAIR principles.
- Communication plan.

# i~HD Data Quality Curriculum



## 6. Trustworthy use healthcare data.

- Improve patient care outcomes.
- Reduce medical errors.
- Better informed decision making.
- ...

## 7. Trustworthy re-use healthcare data.

- Enhances innovative solutions.
- Improve clinical research.
- Planning for the future.
- ...