नियमित तथ्याङ्क गुणस्तर परीक्षण प्रणाली
Routine Data Quality Assessment (RDQA) System

नेपाल सरकार
स्वास्थ्य तथा जनसंख्या मन्त्रालय

नियमित तथ्यांक गुणस्तर परीक्षण प्रणाली के हो ?

तथ्याङ्कको गुणस्तर तथा तथ्याङ्क ब्यवस्थापनका बिभिन्न आयामहरुको मुल्याङ्कन गरी देखिएका कमि कमजोरीहरुलाई सुधार गर्दै तथ्याङ्कको गुणस्तर सुनिश्चित गर्ने एउटा सरल प्रणाली हो ।

यस प्रणालीले के गर्छ ?

१. उपलब्ध तथ्याङ्कको गुणस्तर मापन गर्छ,

२. उक्त तथ्याङ्क उत्पादन गर्ने प्रणालीको मुल्याङ्कन गर्छ, र

३. यी दुबैमा सुधार ल्याउन कार्य योजना बनाउन तथा यसको कार्यान्वयनको अनुगमन गर्न सहजिकरण गर्छ ।

यस प्रणालीको बिशेषता

- कार्यक्रममा संलग्न ब्यक्तिहरु आँफैले स्वमूल्याङ्कन गर्न सकिने
- कार्यक्रमको अनुगमन तथा सुपरिभिक्षणका लागि आफ्नो अनुकुल प्रयोग गर्न सकिने
- आफु अनुकुल कार्यक्रम तथा सूचकहरुको छनौट गर्न सकिने
- नियमित सुपरिभेक्षणका अवसरमा पटक-पटक प्रयोग गर्न सकिने
- तथ्याङ्क संकलन गर्ने, सङ्कलित तथ्याङ्कको समायोजन तथा बिश्लेषण गर्ने र बिभिन्न तहमा उपयोगी हुने गरी नतिजालाई ड्यासबोर्डमा प्रस्तुत गर्न सकिने

यो प्रणाली किन प्रयोग गर्ने ?

सूचना प्रणालीबाट आउने तथ्याङ्कहरुको गुणस्तर परीक्षण गर्न र समग्र सूचना प्रणाली ब्यवस्थापनको अनुगमन तथा मूल्याङ्कनको संरचना, सूचकहरुको परिभाषा, अभिलेख तथा प्रतिबेदनको निर्देशिका, अभिलेख तथा प्रतिबेदन सामाग्री, तथ्याङ्क ब्यवस्थापन प्रक्रिया एवम तथ्याङ्कको प्रयोग जस्ता बिबिध पक्षहरुको मापन गरी सुधारका कार्यक्रमहरु अगाडि बढाउन **नियमित तथ्याङ्क परिक्षण प्रणाली** प्रयोग गरिन्छ।
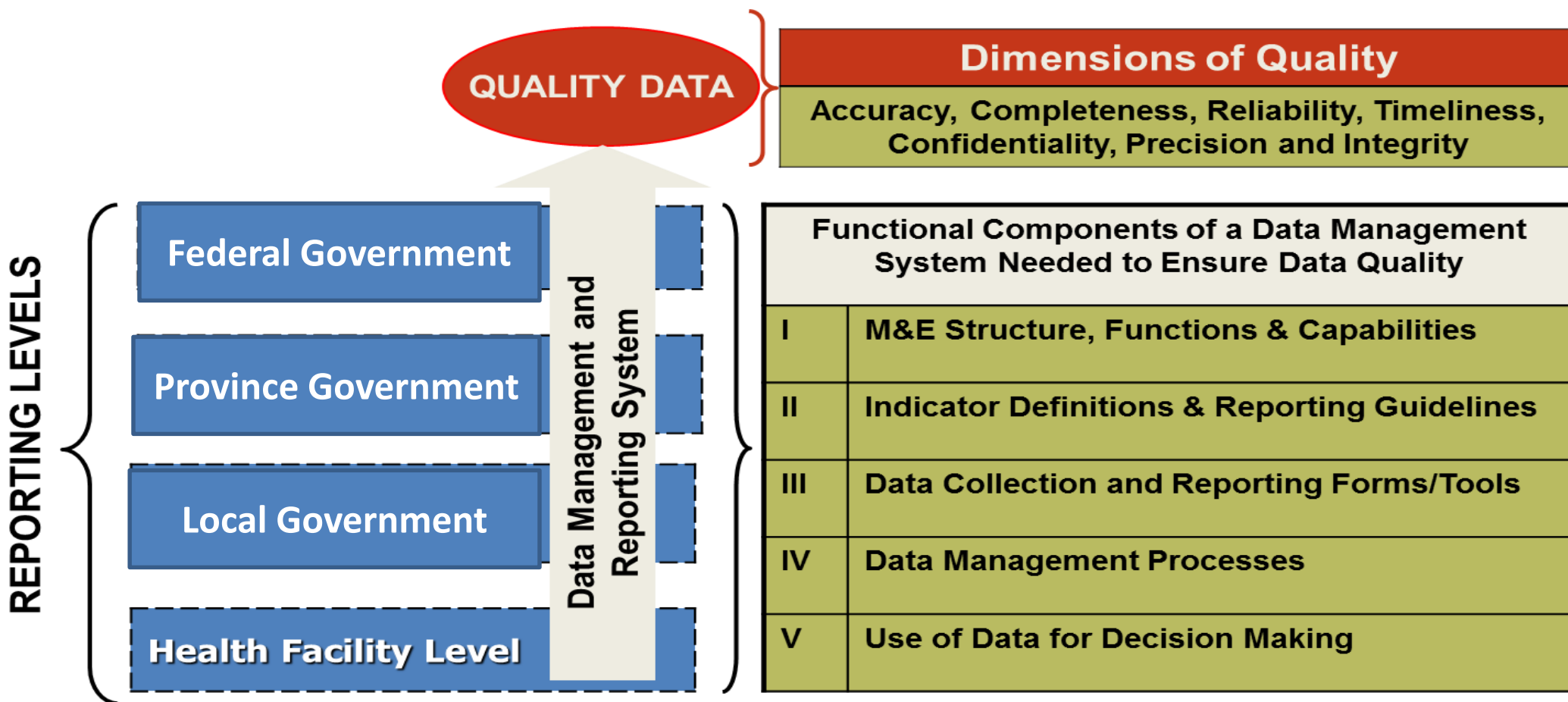
Dimensions of Data Quality

- ## Accuracy
  - Measured against a reference & found to be correct

- ## Reliability
  - Data measured and collected consistently

- ## Precision
  - Data have sufficient detail

- ## Completeness
  - Present & usable

- ## Timeliness
  - Up-to-date & available on time

- ## Integrity
  - Protected from bias or manipulation

- ## Confidentiality
  - Clients' data are not disseminated
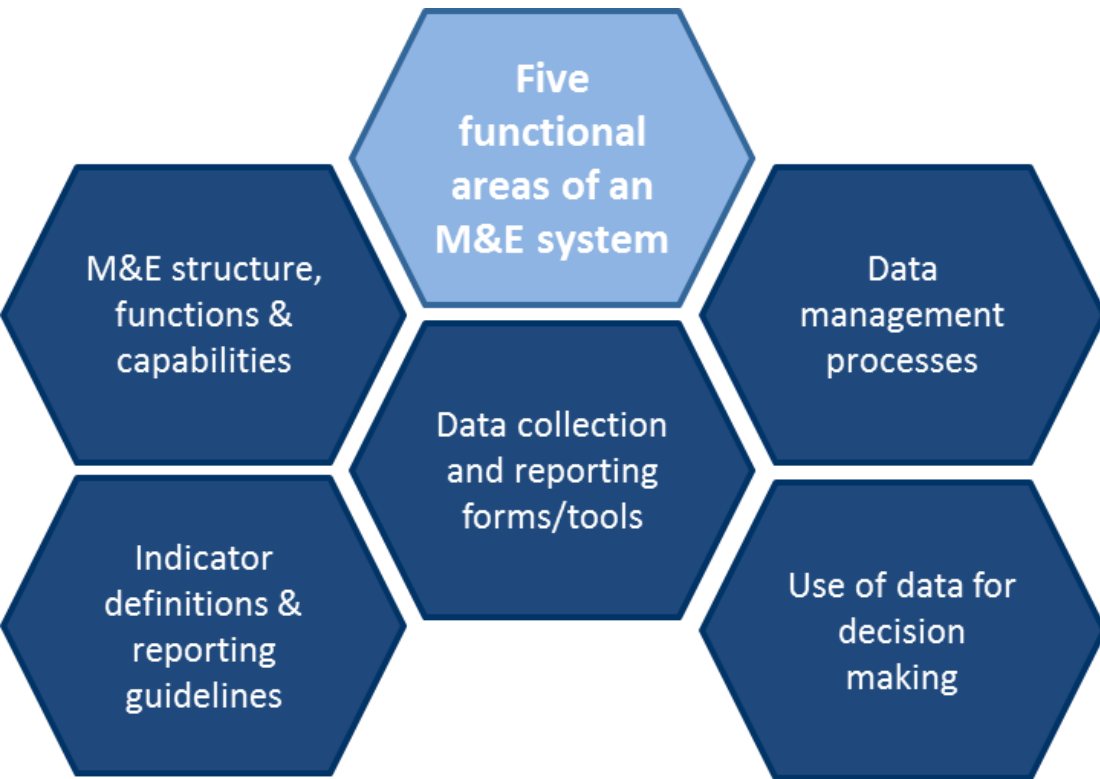
Factors to Ensure Data Quality

- Functioning **information systems**

- Clear **indicators**, used consistently

- Specific **roles & responsibilities**

- Reporting **timelines**

- Standardized **data-collection & reporting forms**

- Documented **data review** procedures

- Steps to **address data quality challenges**

- **Storage policy** & filing practice for easy retrieval of data
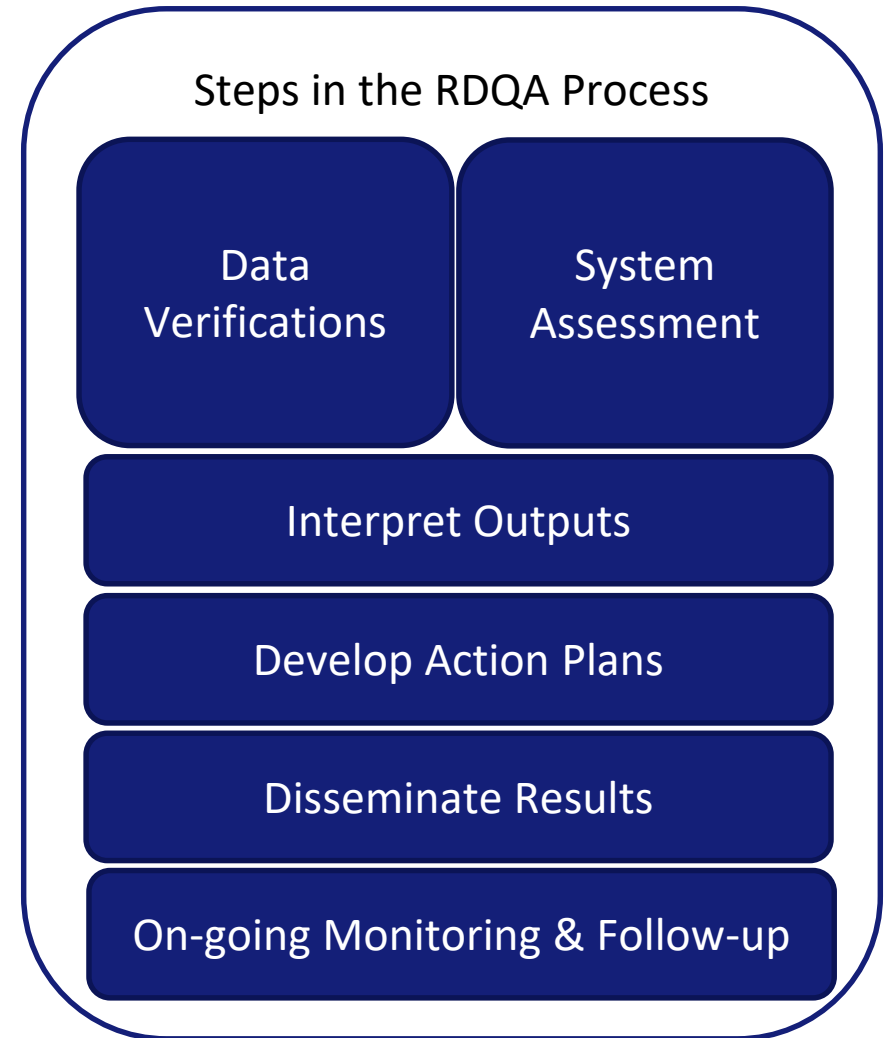
Routine Data Quality Assessment System

Web-based tool, e-learning materials, tutorial and references are available at www.mohp.gov.np
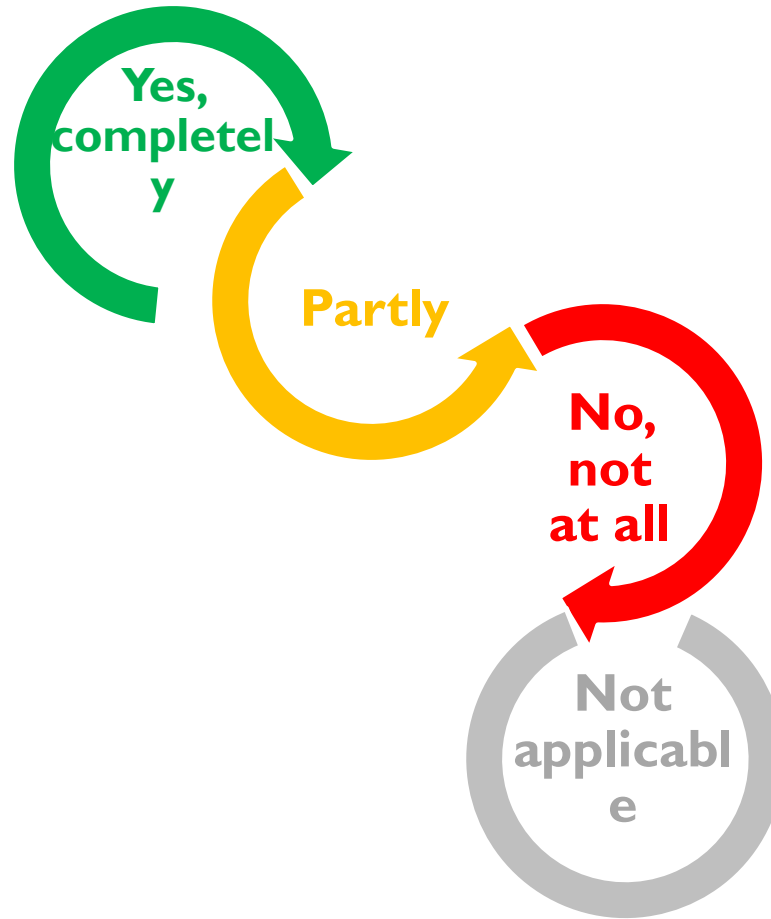
Functional components of a data management system

Five functional areas of an M&E system

- M&E structure, functions & capabilities
- Data management processes
- Data collection and reporting forms/tools
- Indicator definitions & reporting guidelines
- Use of data for decision making

Routine Data Quality Assessment Process

Steps in the RDQA Process

- Data Verifications
- System Assessment
- Interpret Outputs
- Develop Action Plans
- Disseminate Results
- On-going Monitoring & Follow-up

Scoring System Assessments

Questions are Yes/No but allow for a gray area

Yes, completely

Partly

No, not at all

Not applicable

Scores:

- Yes, completely = 3
- Partly = 2
- No, not at all = 1
- Not applicable = 0

Completing the Tool During Visits

- Facilitate a discussion based on the questions in the RDQA Tool

- Take notes as the interview is conducted to be used in the team discussion later

- Enter answers in the tool via a laptop if available

- Where staff say they have documentation available, ask to see a copy of the documentation at the end of the discussion

When do you select "completely" versus "partly"?

Definitions must be established by the RDQA team before starting site visits!

For many procedure documentation questions, "completely" means the procedure is written down & implemented. If staffers can explain the procedure, but it's not written, you may want to select "partly."

Recommendations Template / Example

Part 3 : Recommendations for the service delivery site			
Based on the findings of the systems' review and data verification at the service site, please describe any challenges to data quality identified and recommended strengthening measures, with an estimate of the length of time the improvement measure could take. These will be discussed with the Program.			
Identified Weaknesses	**Description of Action Point**	**Responsible(s)**	**Time Line**
1			
2			
3			
4			

Discussion at Assessment Site

Discussion is helpful because			
Staff can see and understand the results of the assessment at their office	Staff have an opportunity to ask questions, correct any errors and provide additional clarification on the findings	The RDQA team can update the answers in the tool with any corrections or qualifying information	The RDQA Tool can help the staff generate an action plan appropriate to their site

Discussion Outline

Present findings
- Include spider graph and bar charts at a minimum
- Explain how to interpret outputs

Highlight strengths
- Don't focus just on weaknesses

Discuss weaknesses
- Ask staff to comment on findings
- Develop action plan with staff input

At the end
- End on a positive note
- Inform sites will receive a report

Applying the RDQA Tool to:

Rapidly verify
- quality of reported data
- ability of data management systems to collect, manage, and report quality data

Develop
- action plan to implement corrective measures

Monitor
- capacity improvements
- performance of the data management and reporting system

Final Thoughts

Data Quality

Collect what is needed

Make good use of what you collect

Promote data quality so that staff produce accurate, reliable, complete and on time data/reports

Provide feedback on data collected and outputs/outcomes

Empower staff to both collect and **use** data

Roll out of RDQA System

- Web-based RDQA Tools, User Manual, Tutorials are published on the MoHP website

- Roll out responsibility lies with the Local Government with support from Province and Federal Government

- Federal Government develops the system and guideline; regulates and provides technical backstopping to Province and Local Government

Supporting Partners

धन्यबाद

नेपाल सरकार
स्वास्थ्य तथा जनसंख्या मन्त्रालय