Quality of Decision-Making Orientation Scheme (QoDoS©): A Study to Evaluate the Quality of Decision-Making within the Zambia Medicines Regulatory Authority (ZAMRA)

Introduction



A consistent and transparent approach is an important element of quality decision-making in the review and approval of medicines.

This is achieved through the use of a standard and well-defined framework. Most National Medicines Regulatory Authorities (NMRAs) have designed frameworks, these are often unvalidated or inconsistently applied.

Aim of the study



To assess the Zambia Medicines regulatory authorities compliance with quality decision-making practices in the regular regulatory review process, including those applied by the Medicines and veterinary committees

Objectives of the study



- Evaluate the quality of the decision-making process of individual members and their perception of ZAMRA's decision-making process using QoDoS
- i Assess the QoDoS instrument in terms of its benefits for routine assessment of quality of decision-making, its acceptability by ZAMRA as well as, if appropriate, its sensitivity to detect changes in practice.
- iii Suggest ways of improving the lowest scoring practices and how these may be implemented into the decision-making framework to ensure consistency.

QoDoS instrument

Part i: Organisational - level influences

A. Decision-Making Approach

- My organisation evaluates the impact of the decisions it makes
- My organisation's decision making is transparent
- My organisation's decision making is consistent 4. My organisation uses a structured approach in its decision making
- 5. My organisation's decision making is influenced by external stakeholder's demands
- 6.My organisation assigns qualitative values to its decision-making criteria
- 7.My organisation assigns quantitative values to its decision-making criteria
- 8. My organisation is open to using better alternatives in its decision making
- 9.My organisation encourages innovative decision making
- 10. My organisation considers uncertainties in relation to its decision making 11. My organisation provides training in the science of decision making
- 12. My organisation re-examines its decision making as new information becomes available

B. Decision-making culture

- 13. My organisation has suffered a negative outcome due to slow decision making
- 14. My organisation's culture has resulted in its inability to make a decision
- 15. My organisation's decision making is influenced by organisational politics
- 16. My organisation's decision making results in making the same mistake as in the past 17. My organisation's decision making is influenced by the vested interest of individuals (e.g. conflict of interest
- 18. My organisation underestimates problems which adversely impact its own decisions
- 19. My organisation continues with projects/products which should be terminated at an earlier stage
- 20. My organisation's decision making is influenced by similar organisations or competitors 21. My organisation's decision making is influenced by incentives or penalty payments
- 22. My organisation effectively communicates the decisions it makes
- 23. My organisation provides clear and unambiguous instructions for decision making

Part ii: Individual - level influences

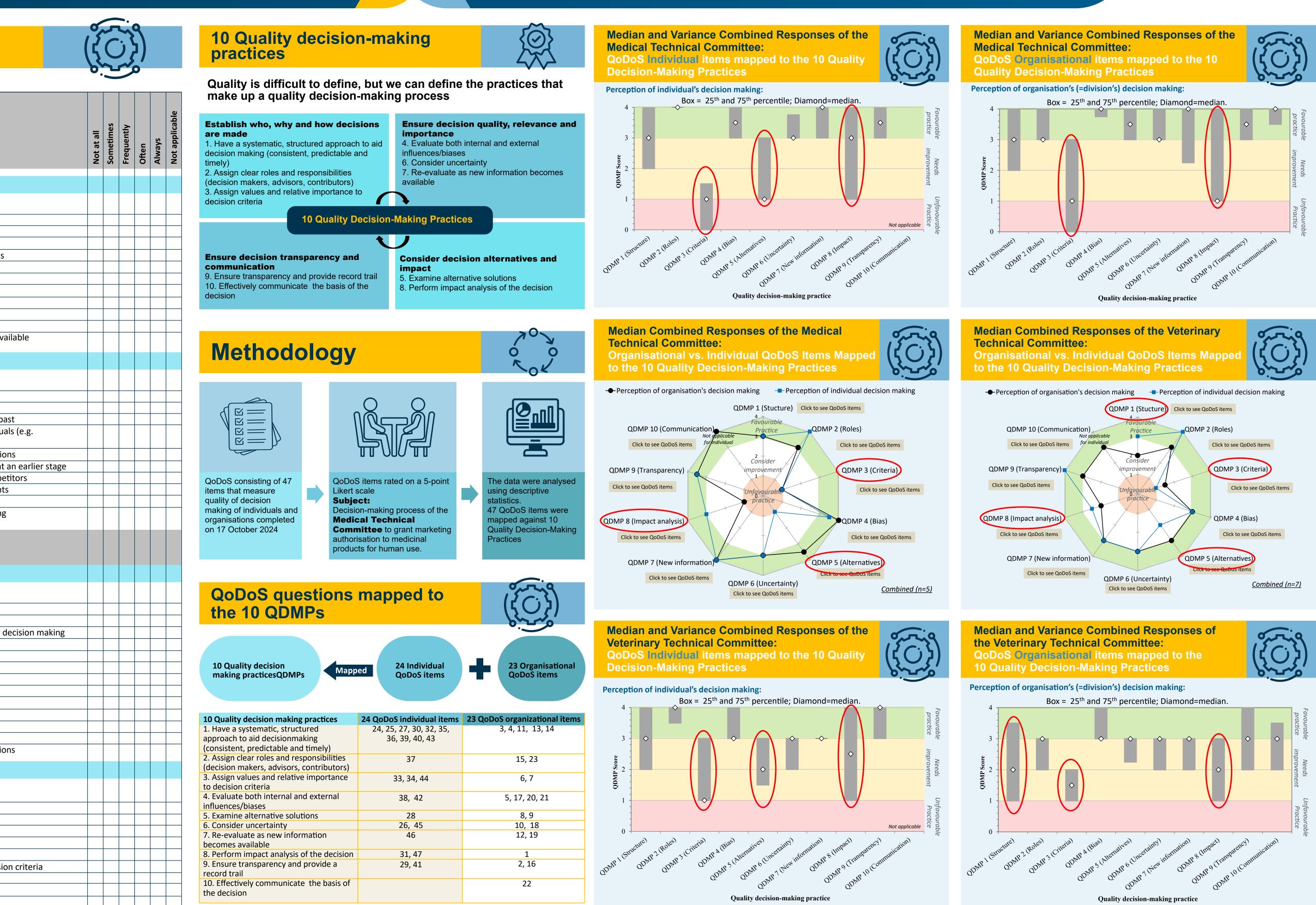
A. Decision-making competence

- 24. My decision making is knowledge based
- 25. My decision making is consistent
- 26. I consider uncertainty and unknowns in my decision-making approach
- 27. Igenerate a Strengths-Weaknesses-Opportunities-Threats (SWOT) analysis in my decision making
- 28. I present contingencies or achievable options as part of my decision making
- 29. My decision making is transparent
- 30. I understand the context of the decision I am being asked to make
- 31. I understand the importance of the decisions I make
- 32. I use a structured approach in my decision making
- 33. I assign qualitative values to its decision making criteria
- 34. I assign quantitative values to its decision making criteria
- 35. I receive training in the science of decision making
- 36. I use intuition or "gut-feeling" in my decision making
- 37. My professional experience is important when having to make challenging decisions

B. Decision-making style

- Emotion is part of my decision making
- 39. I have experienced "paralysis by analysis" caused by my slow decision making
- 40. I have experienced a negative outcome by a decision not being made
- 41. In my decision making, I make the same mistakes as in the past
- 42. Recent or dramatic events greatly impact my decision making
- 43. My procrastination has resulted in a negative outcome
- 44. My decision making could be improved by assigning relative importance to decision criteria
- 45. I underestimate problems which adversely impact my decision making
- 46. I continue with projects/products which should be terminated at an early stage
- 47. I feel that I could make better quality decisions

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Summary



- 1 Favourable Individual responses included Structure, Roles & responsibilities, Account of Biases, Uncertainty, New information, Impact, Transparency and communication.
- Areas for improvement included Criteria & Alternatives reviewed, and Impact monitored. Favourable Responses for the
- Organisation included Account of structure, Roles & responsibilities, Biases, Alternatives, Uncertainty, Transparency and communication.
- Areas for improvement for organisation included Criteria and Impact analysis.

Recommendations of the study



- The following are the recommendations from the study. The Authority should: Conduct decision making training for the technical committee members so that they are aware of the 10 QDMPs and implement them in those areas that need improvement in the decision-making process.
- Clearly define a framework for the decision-making processes.
- iii Have formal assessments in place to periodically measure the quality of the decision-making process in the review of medicines.
- v Improve in the practices that scored poorly which include impact analysis for both the individual and organisational perspective.