

Guidance for real-world evidence generation for the Joint Clinical Assessment process and its implications for country-specific HTA body acceptability



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Background and Objectives

- Real-world evidence (RWE) is increasingly used to support decision-making in health technology assessments (HTA).
- With the implementation of the Joint Clinical Assessment (JCA) under the EU HTA Regulation in January 2025, health technology developers (HTDs) must consider JCA and country-specific HTA body requirements for designing transferable RWE studies.
- RWE studies may be necessary for JCA to characterise treatment patterns and comparative effectiveness, especially for HTDs with single-arm trial evidence.

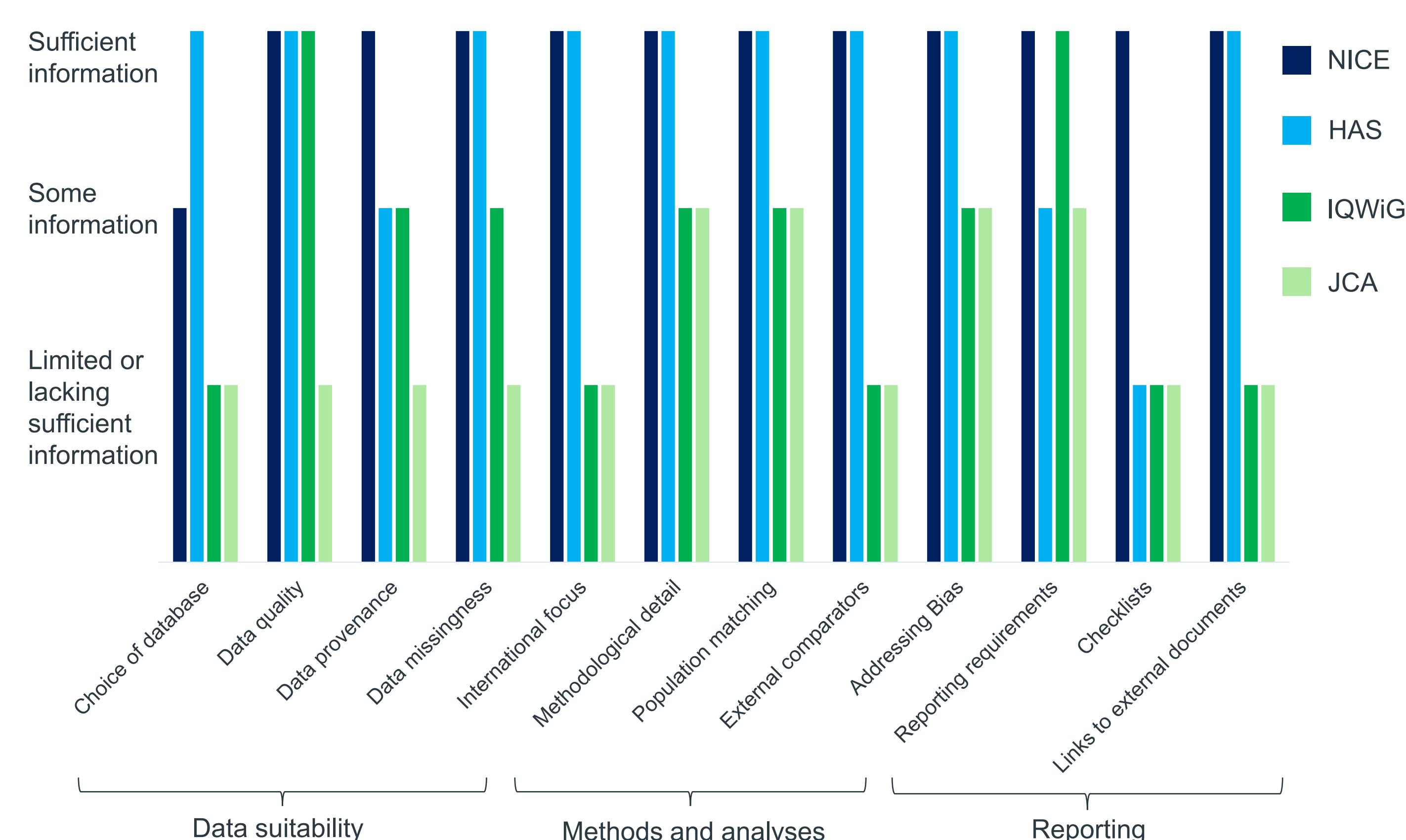
 This study aims to assess the feasibility of conducting transferable RWE studies that could be acceptable for JCA and select European HTA bodies.

Results

Our review reveals a heterogeneous picture for general RWE study requirements, with agencies differing in topics and extent of information provided (Figure 1).

- There is a lack of clear guidance outlining RWE study requirements for JCA. The EU HTA CG guidance for direct and indirect treatment comparisons (ITCs)^{1,2} includes only limited considerations for the analysis of non-randomised evidence.
- IQWiG's general methods⁴ justify the use of non-randomised evidence in exceptional cases. For the latter, some information for appropriate data collection and analysis methods is provided in IQWiG's rapid report for routine practice data⁵.
- HAS³ and NICE⁵ have developed dedicated RWE frameworks. Both frameworks provide sufficient information across most items related to data suitability and methodological guidance. NICE clearly outlines reporting requirements and checklists as well as links to resources for assessing data suitability, such as the Data Suitability Assessment Tool (DataSAT). The NICE framework also addresses RWE studies involving external comparisons, while HAS discusses considerations for these studies in a subsequent position paper⁷.

Figure 1. Depth of coverage of topics related to study planning, data suitability, analysis methods, and results reporting across the HTA bodies included in the review



Our findings on statistical analysis methods to mitigate bias in comparative RWE studies (Table 1) further identified a lack of sufficient RWE guidance for JCA compared to the country-specific HTA bodies.

- JCA ITC guidance briefly covers unanchored comparisons using non-randomised patient-level data, including propensity score approaches to adjust for observed confounding. Methods to address unobserved and time-varying confounding are briefly mentioned, while insufficient detail is provided on handling information and selection bias.

Conclusions and recommendations

- In the absence of formal JCA RWE guidance, HTDs should recognize that the utility and acceptance of RWE studies in the context of JCA remains unclear.
- Until JCA RWE standards are formalised, HTDs should base the design of methodologically robust RWE studies on country-specific guidance. Even though the most comprehensive RWE framework available is from a non-EU HTA body (NICE), it provides internationally relevant methodological standards.
- HTDs should also account for the aspect of transferability of RWE studies across EU member states and consider methodological overlap within country-specific guidance. Importantly, HTDs should assess whether the data sources are sufficiently generalizable, as national differences in data relevance may still limit transferability.
- A clear JCA RWE framework is therefore necessary to harmonise transferability and outline expectations for study acceptability across European HTA bodies. In the meantime, HTDs should monitor developments in the guidance and prepare to adapt their RWE strategies as official expectations become clearer.**

References

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