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Background

- There is uncertainty about incorporating Joint Clinical Assessment (JCA) reports into national submissions.

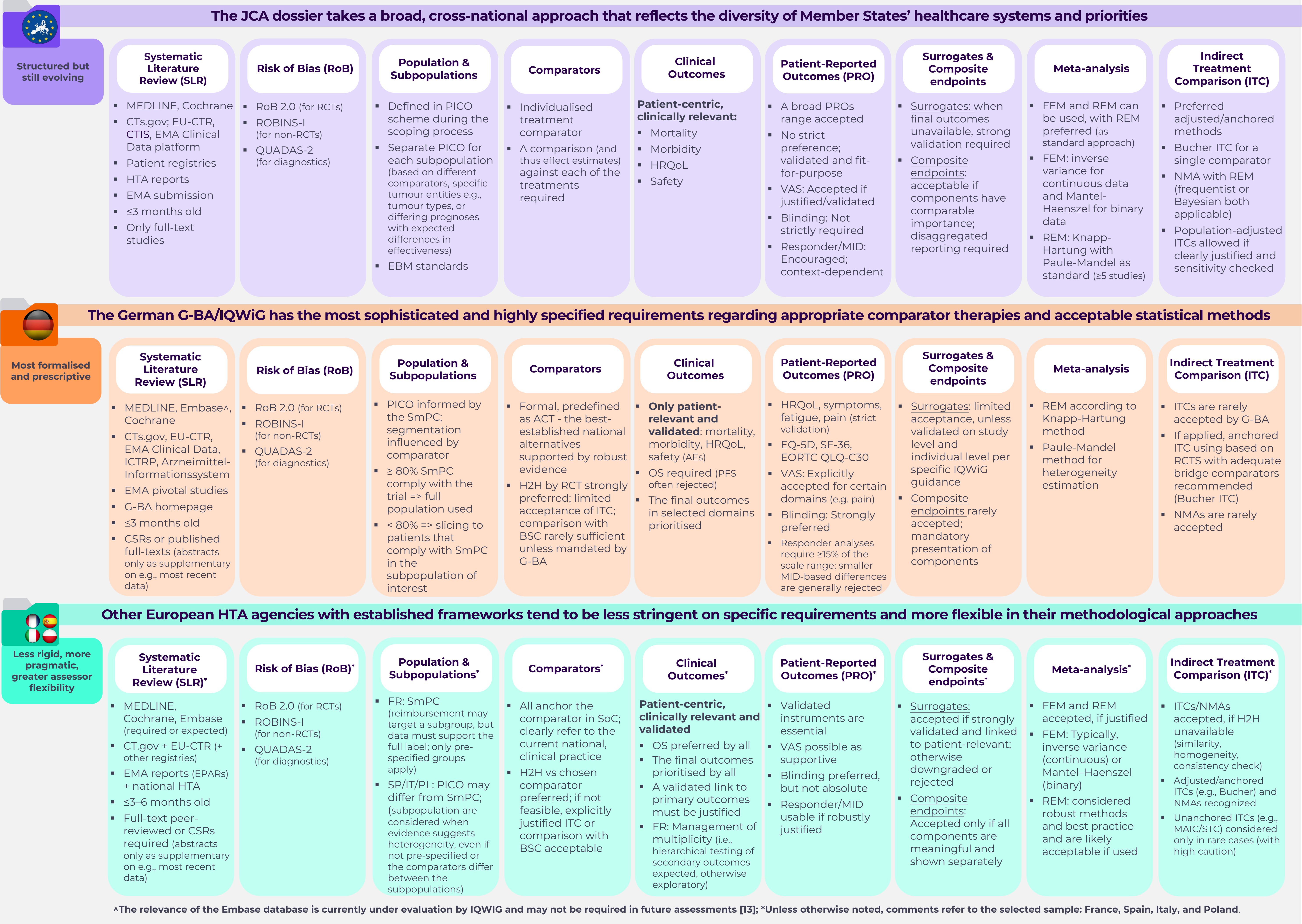
Objective & Methods

- This analysis examines core JCA evidence requirements and how they differ from national health technology assessment (HTA).
- A targeted review of EU4 and Polish national HTA guidance – supported by searches of HTA websites, stakeholder webinars, press releases, PubMed, and grey literature – was conducted to compare JCA and national methodological requirements across key domains. Where formal guidance was limited, expert judgement was applied.

Results

- The JCA assesses clinical evidence for the broader EU population, whereas national HTAs highly prioritise local relevance.
- In the JCA dossier, manufacturers must justify the representativeness of populations, comparators, and outcomes, but country-specific data are not required.
- For systematic information retrieval, the JCA aligns with international standards, incorporates the Clinical Trials Information System (CTIS), and does not require Embase (supplementary).
- While overall survival (OS) is an established HTA outcome, the JCA focuses on patient-centred outcomes, whereas Germany emphasises patient-relevant benefits.
- Validated surrogates may replace a patient-centred outcome in the JCA only if necessary. JCA considers established minimal important differences (MID) for PROs when available, whereas IQWiG/G-BA use a fixed ≥15% of scale range as the threshold for a clinically relevant change.
- JCA supports fixed (FEM) and random effects models (REM) for meta-analyses. Network meta-analysis (NMA) can be applied even when head-to-head (H2H) studies for the comparison of interest are available.
- There is a general caution in applying population-adjusted methods, primarily due to concerns about multiplicity.

Figure 1. High-level comparison of clinical evidence requirements across selected dossier guidelines (JCA¹⁻⁶, G-BA⁷/IQWiG⁸, HAS⁹, AEMPS¹⁰, AIFA¹¹, AOTMiT¹²)



Conclusions

- EU HTA agencies adhere to a recognised methodological framework comprising systematic evidence retrieval, critical quality appraisal, and evidence synthesis (quantitative where feasible), with variability across agencies in the depth and application of these steps.
- When the HTA research question (PICO) is aligned, major divergences in required clinical evidence between the JCA and national dossiers are unlikely. Only slight methodological differences – such as analysis preferences or data presentation formats – are expected to remain.
- Effective investment in the JCA process could meet the vast majority of requirements across Member States. Nevertheless, national HTA bodies will continue to require context-specific submissions. Early and collaborative engagement between agencies and manufacturers remains essential.

References

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Abbreviations: ACT, Appropriate Comparator Therapy; AE, adverse event; AEMPS, La Agencia Española de Medicamentos y Productos Sanitarios; AIFA, Agenzia Italiana del Farmaco; AOTMiT, Agency for Health Technology Assessment and Tariff System; BSC, Best Supportive Care; CT, Clinical Trial; CTIS, Clinical Trials Information System; EBM, Evidence-Based Medicine; EMA, European Medicines Agency; EMBASE, Excerpta Medica Database; EPAR, European Public Assessment Report; EORTC, European Organisation for Research and Treatment of Cancer; EQ, EuroQol (generic HRQoL instrument, e.g. EQ-5D); EU, European Union; EU-CTR, EU Clinical Trials Register; FEM, Fixed Effects Model; FR, France; H2H, head-to-head; HAS, Haute Autorité de Santé; HTA, Health Technology Assessment; ICTRP, International Clinical Trials Registry Platform (WHO); IT, Italy; ITC, Indirect Treatment Comparison; IQWiG, Institut für Qualität und Wirtschaftlichkeit im Gesundheitswesen; JCA, Joint Clinical Assessment; MAIC, Matching-Adjusted Indirect Comparison; MEDLINE, Medical Literature Analysis and Retrieval System Online; MID, Minimal Important Difference; NMA, Network Meta-Analysis; OS, Overall Survival; PFS, Progression-Free Survival; PICO, Population, Intervention, Comparator, Outcome; PL, Poland; PRO, Patient-Reported Outcome; QLQ, Quality of Life Questionnaire; QUADAS, Quality Assessment of Diagnostic Accuracy Studies; RCT, Randomised Controlled Trial; REM, Random Effects Model; ROBINS, Risk Of Bias In Non-randomised Studies; SF, Short Form Health Survey (e.g. SF-36); SLR, Systematic Literature Review; SmPC, Summary of Product Characteristics; SoC, Standard of Care; SP, Spain; STC, Simulated Treatment Comparison; VAS, Visual Analogue Scale

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