

To what extent do the EUnetHTA 21 D4.4 guidelines on endpoints recognise non-OS endpoints and patient-reported outcomes, and what opportunities exist in the Joint Clinical Assessment to reflect their value?

Fameli A¹, Bagchi I³, Paulsson T¹, Cimen A², Chung S¹, Cassarino G¹, Nielsen, L³, Gutierrez B³
¹GSK, London, UK, ²GSK, Zug, Switzerland, ³GSK, Collegeville, USA.

Background

- The EU Health Technology Assessment (HTA) regulation 2021 aimed to harmonise the HTA procedure across the EU and makes the Joint Clinical Assessment (JCA) mandatory for oncology drugs in 2025
- The mandate of EUnetHTA 21 ended on 16 September 2023, and its deliverables are handed over for consideration, review and modifications to the Coordination Group and the European Commission
- The EUnetHTA 21 joint consortium developed guidelines to support the JCA, including the D4.4 guideline on endpoints, which provides guidance on the selection and evaluation of outcomes in JCAs
- In oncology, overall survival (OS) is traditionally the preferred outcome for HTA bodies / payers, but it has limitations such as long follow-up time, confounding factors and failure to capture other outcomes beyond survival of value to patients and clinicians, e.g., HRQoL* outcomes
- Non-OS endpoints and patient-reported outcomes (PROs) have value as surrogates for survival-related outcomes (e.g., OS, DFS, EFS*, etc.) as well as standalone value in measuring outcomes beyond survival that are important to patients and clinicians (e.g., avoidance of surgery, HRQoL*)

Aims

This research aims to assess the extent to which the EUnetHTA 21 D4.4 guideline on endpoints recognises non-OS endpoints and PROs in oncology, and what opportunities exist in the JCA to reflect their value. The goal is to:

- Understand the guideline's position on the identification of fit-for-purpose endpoints per treatment setting
- Assess the guideline's position on the acceptability of specific non-OS endpoints / PROs as surrogate endpoints
- Assess the extent to which standalone value of non-OS endpoints and PROs is recognised in the guidelines
- Ensure future EUHTA result in the best outcomes for patients



Results

1. Identification of fit-for-purpose endpoints per treatment setting

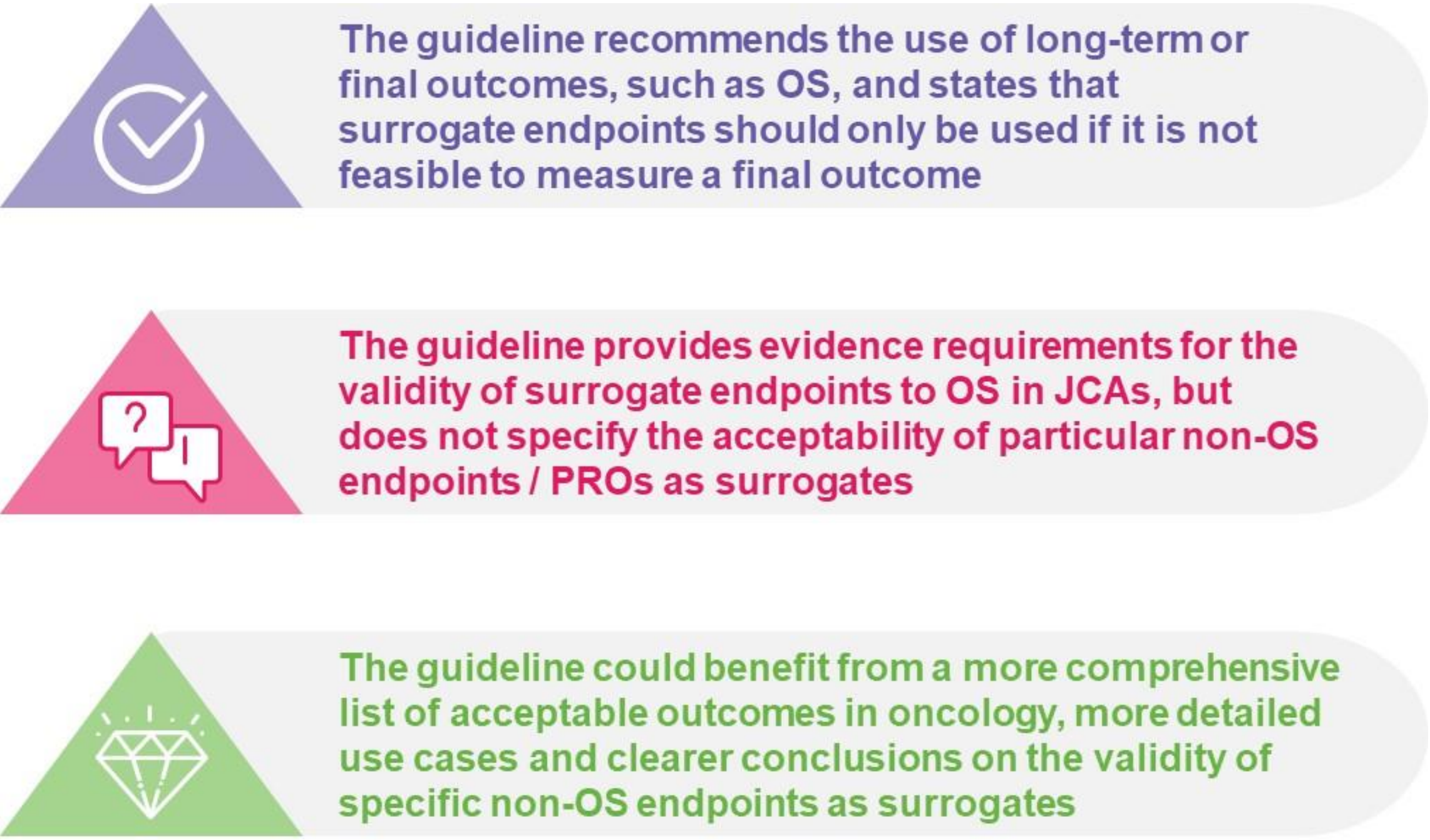
- The guideline recognises the need to tailor outcomes per treatment setting by using core outcome sets (COS) that involve multiple stakeholders, such as patients, clinicians and industry
- The guideline provides guidance on the definitions and use of PROs in JCAs, including the validity, reliability and interpretability of outcome instruments
- It also allows for other outcomes deemed relevant by key stakeholders to complement the use of COS in the scoping process

“By **involving a wide range of stakeholders**, such as patients, caregivers and healthcare professionals and health technology developers, it is **more likely that patient-centred outcomes will be identified**. By contributing to less heterogeneity in clinical outcome assessments in original clinical studies, COS use may facilitate the conduct of evidence synthesis”

EUnetHTA D4.4 guideline

2.. Need for greater clarity on the acceptability of specific non-OS endpoints / PROs as surrogate endpoints

- The guideline favours long-term outcomes like OS, but could provide clearer guidance on the acceptability of non-OS endpoints and PROs as surrogates.



Results (cont.)

3. Recognising the standalone value of non-OS endpoints and PROs

Recommendations

The guideline should recognise the stand-alone value of non-OS endpoints and PROs in capturing outcomes important to patients and clinicians (e.g., PFS, HRQoL) and in guiding treatment decisions

The guideline should recognise the importance of considering a combination of endpoints, rather than just relying on a single primary endpoint, such as OS, in HTA body / payer decision-making

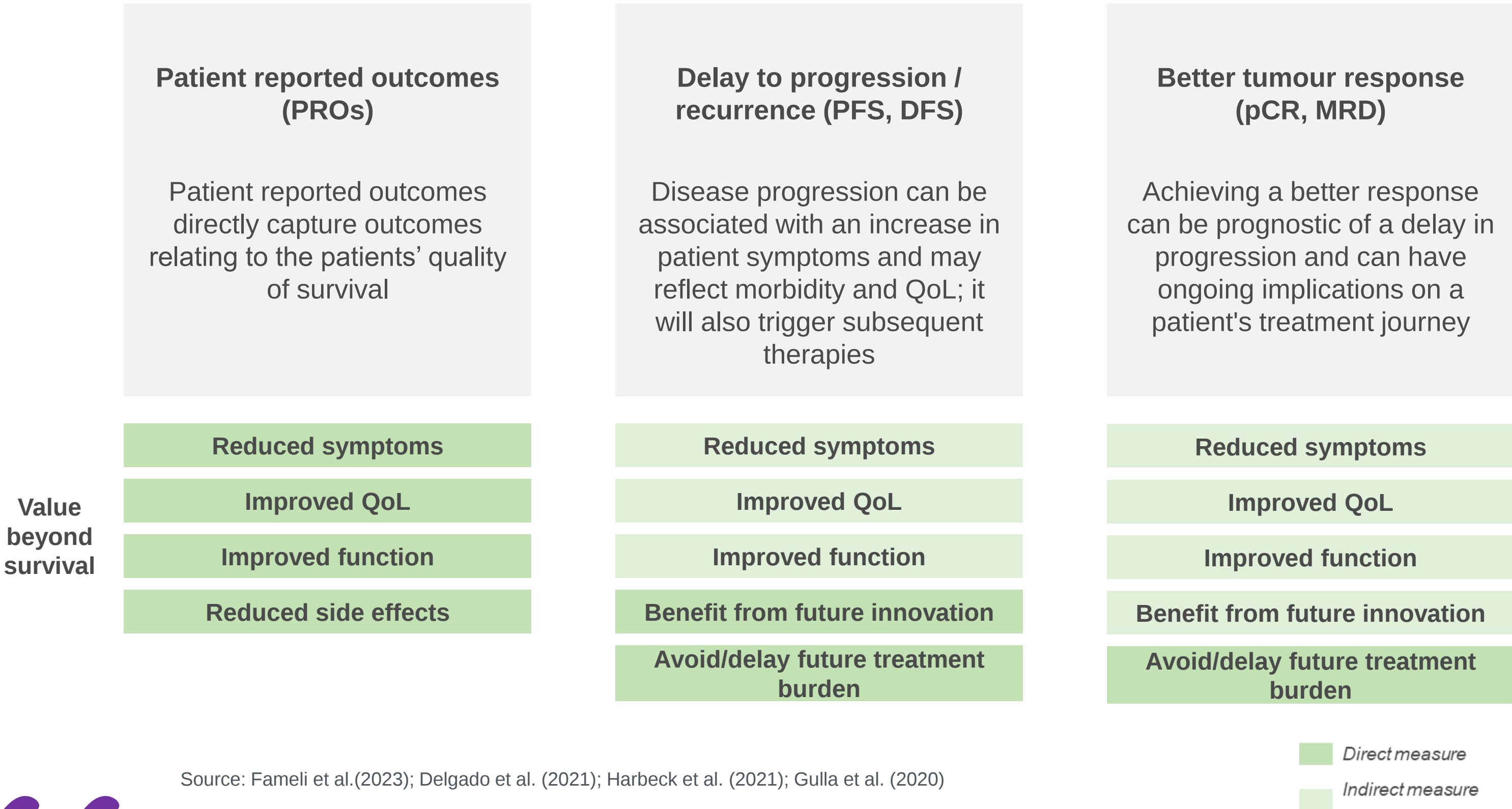
- In the EUnetHTA Joint Assessment 2 guideline on surrogate endpoints used in relative effectiveness assessments, published in 2015, PFS was recognised as an outcome with standalone value, acceptable in HTA body / payer decision-making in the adjuvant setting
- However, in the EUnetHTA D4.4 guideline, conclusions on the acceptability of PFS in the JCA process are unclear and the standalone value is not explicitly recognised
- Explicitly **recognising the standalone value of non-OS endpoints and PROs beyond OS** in oncology is critical in order to expedite access to medicines which provide benefits of high importance to patients beyond survival (e.g., quality of life) and to optimise patient outcomes

“It is **important to look at a variety of endpoints** when deciding treatment for the patient. It's not only just about the tumour size but also the **patient's quality of life**, which they can report via PROs”

Clinician, United Kingdom

4. The value of non-OS endpoints and PROs

- Non-OS endpoints and PROs provide the opportunity to reflect broader patient health priorities beyond survival



Conclusions

More guidance on the use of non-OS endpoints and PROs as surrogates is needed, including more detailed use cases and clearer conclusions on the validity of specific endpoints. Further, the guideline does not explicitly recognise the standalone value of non-OS endpoints and PROs.

One size may not fit all, and new approaches may be needed to ensure patients get access to life-extending or life-improving drugs in a timely way.

Member States (MS) can specify outcomes beyond OS in the JCA through the PICO (Population, Intervention, Comparison, Outcomes) process, capturing the comprehensive value of novel therapies and ensuring optimal patient outcomes.

As MS have the ultimate responsibility for choosing relevant endpoints per treatment setting, there is potential for greater recognition of non-OS endpoints at both the JCA level (through PICO) and in final HTA decision-making at the national level.

Find out more on surrogate endpoints from our ISPOR supplement article

