

A Delphi Panel to Identify Optimal Clinical Outcome Measures (COAs) in Chronic Inflammatory Demyelinating Polyneuropathy (CIDP)

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Background

- CIDP is a rare autoimmune neuropathy, involving both cellular and humeral components of the immune system,¹ affecting 2.81 per 100,000 people globally.²
- CIDP is clinically heterogenous, with clinical subtypes divided into two main categories – typical CIDP, characterized by symmetrical symptom distribution, and atypical variants, characterized by varied regional and modular (motor or sensory) symptoms.²⁻⁴
- Due to the heterogeneity of CIDP and variability of symptoms observed, no single outcome measure can capture all relevant domains and diverse outcome measures are needed to assess treatment response and disease progression.⁶
- There are no validated biomarkers for monitoring therapeutic response.⁶
- The lack of a universally agreed definition of a meaningful response in clinical practice adds further complexity, with differing views between patients and healthcare professionals.^{5,7}

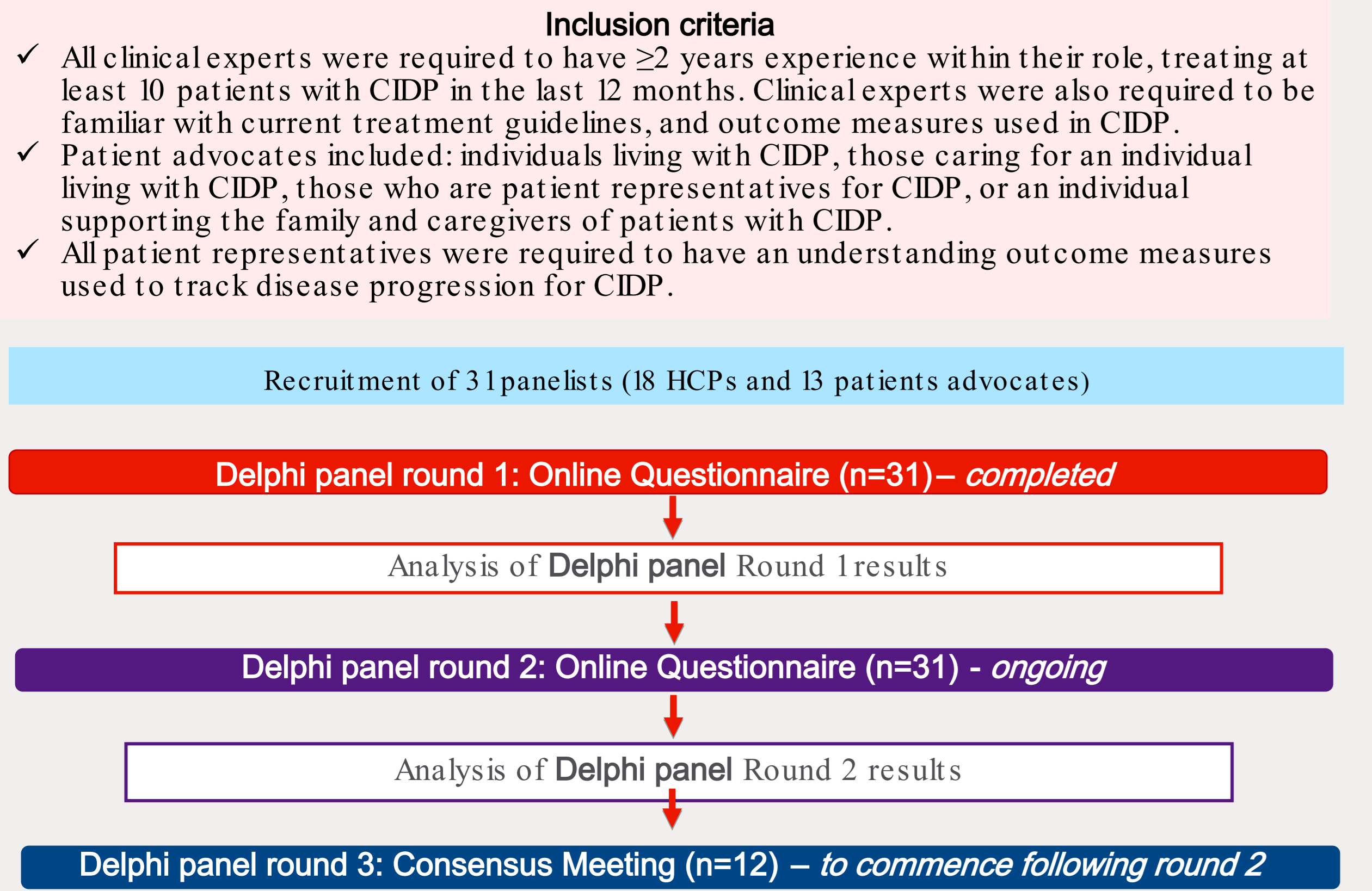
Objective

This study seeks to reach consensus on optimal clinical assessments that accurately and appropriately reflect the impact of CIDP on patients via a multi-stakeholder Delphi panel.

Methods

- This ongoing study started in December 2024 using a double-blinded modified Delphi method (Figure 1): an established method of eliciting consensus from experts.^{8,9}
- Preliminary results from first-round survey from 18 HCPs and 13 PAGs (total N=31) are presented here; full results are expected by July 2025.
- The remaining phases of this research will include a second-round survey, and a virtual consensus meeting.
- A nine-point Likert scale (from 1 [strongly disagree] to 9 [strongly agree]) was used during the first round. Consensus was defined as ≥80% of panellists providing a response of 7–9 (indicative of strongly agree) or 1–3 (strongly disagree)
- A steering committee comprising of two independent neurologist experts and a patient advocacy group representative ensured insights were reflective of real-world practice, were clinically valid, and were comprehensible to a patient audience.

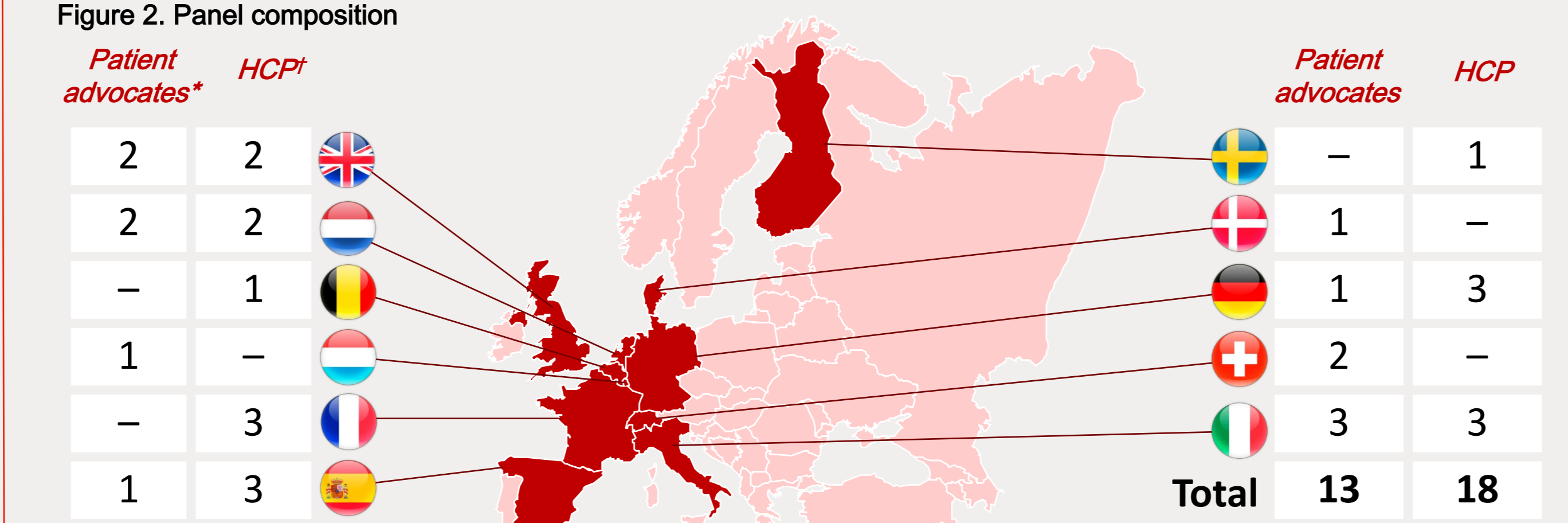
Figure 1. Modified Delphi panel



Results

Demographic characteristics

- A total sample of 31 panellists were recruited through a third party-fieldwork agency and a patient association group using pre-defined screening criteria.
- The panel comprised of 18 clinical experts in neurology and 13 patient advocates from a range of European countries (Figure 2).



*10 patients with CIDP, 2 caregivers and 1 patient representative
†11 neuromuscular specialists, 3 neuropathy specialists, 2 general neurologists, 1 neuromuscular and neuropathy specialist and 1 neuroimmunologist

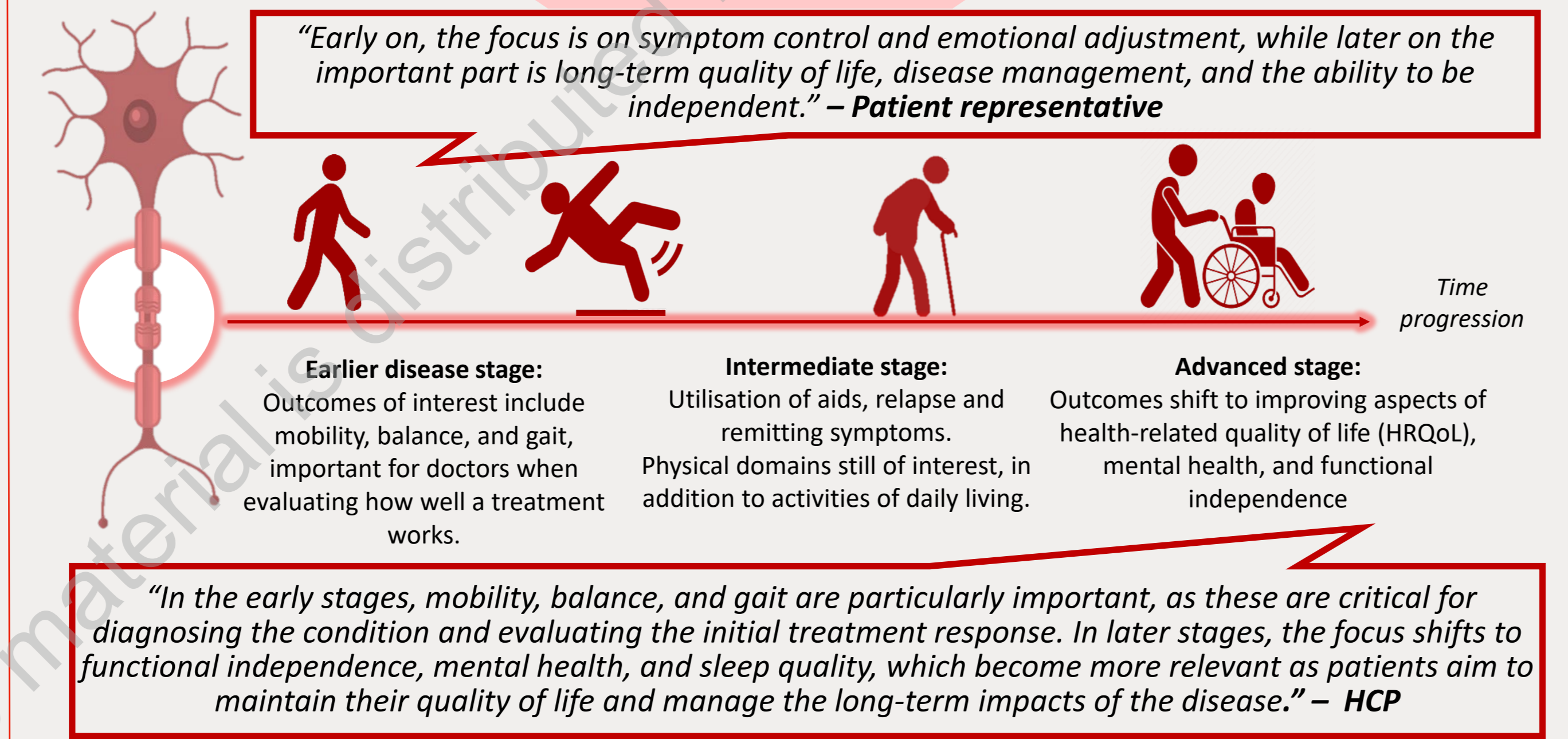
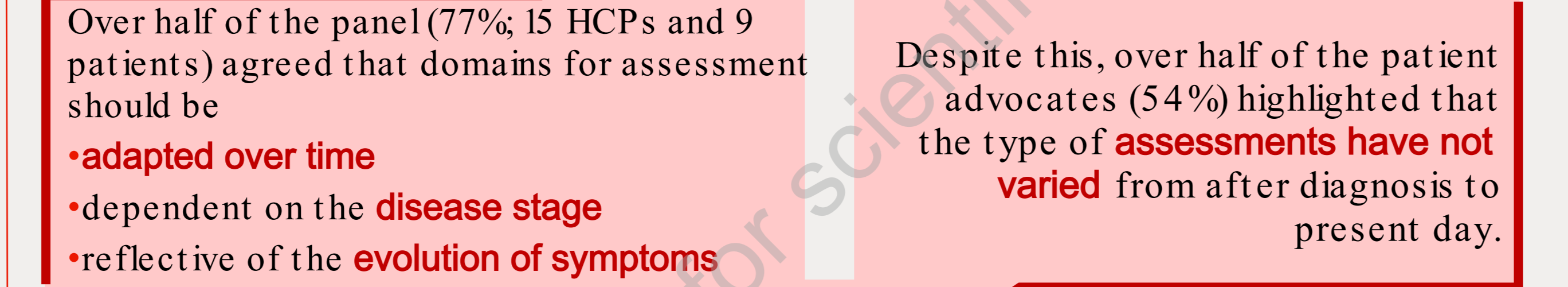
Relative of importance of outcome domains

- Consensus was reached for the following eight domains as the most important outcome domains to consider when assessing therapeutic benefit (Figure 3).



- Over half of the panel (63%; 12 HCPs and 7 PAGs) agreed that improvements in physical domains are more meaningful, as they lead to improvements in other domains (such as the non-physical domains above).
- Overall, 43% of the panel felt all domains had a cyclical relationship with equal importance, however, these insights were largely derived from patient advocates (noted by 10 patient advocates and one HCP).

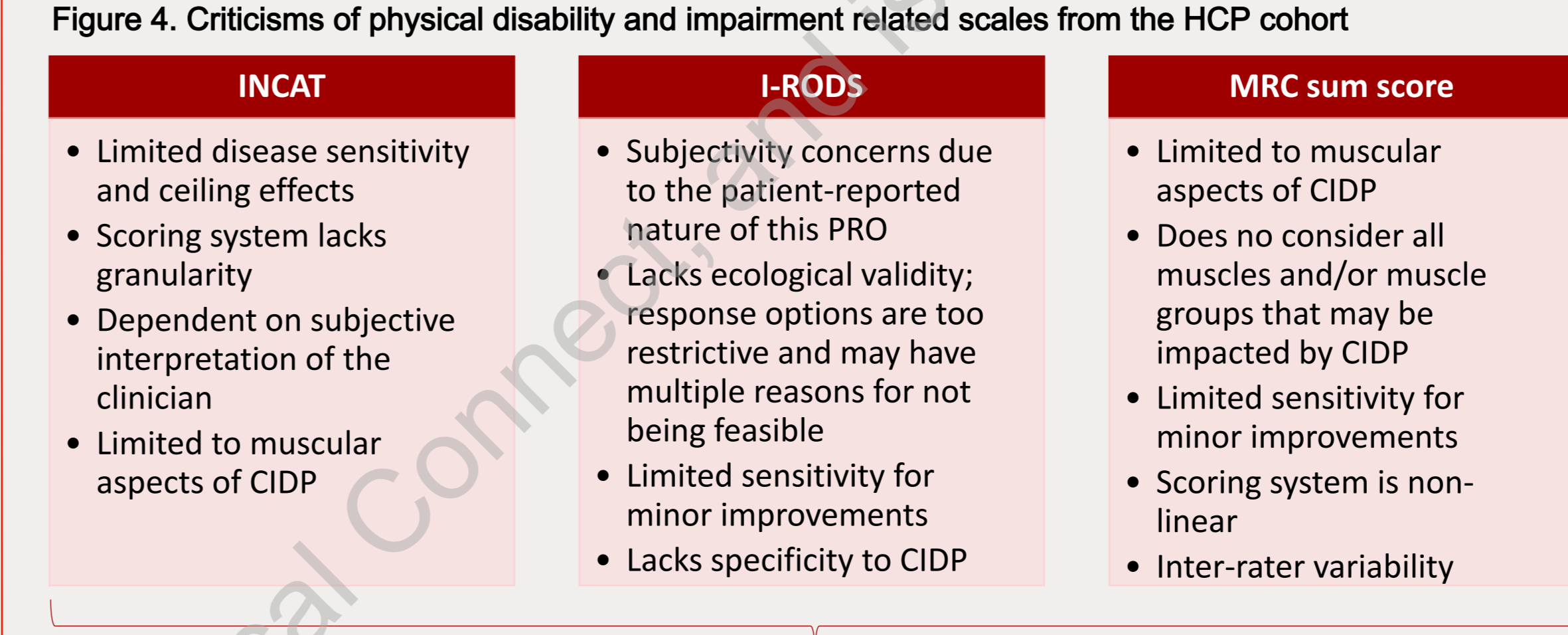
Applicability of COAs during routine assessments over time



Results cont.

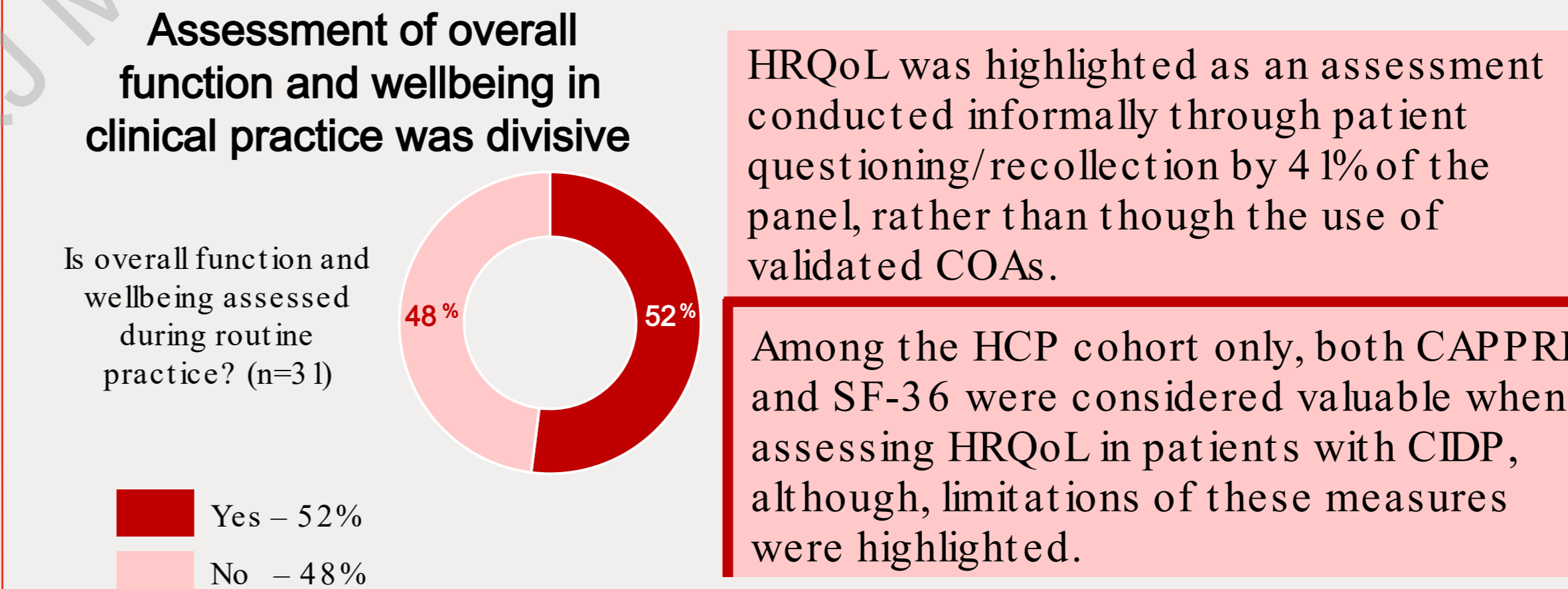
Relevance of physical impairment and disability related COAs

- Among the HCP cohort only (n=18), consensus was reached for INCAT, I-RODS and the MRC sum score as measures that can adequately assess therapeutic benefit in patients with CIDP. However, HCPs acknowledged their limitations (Figure 4).



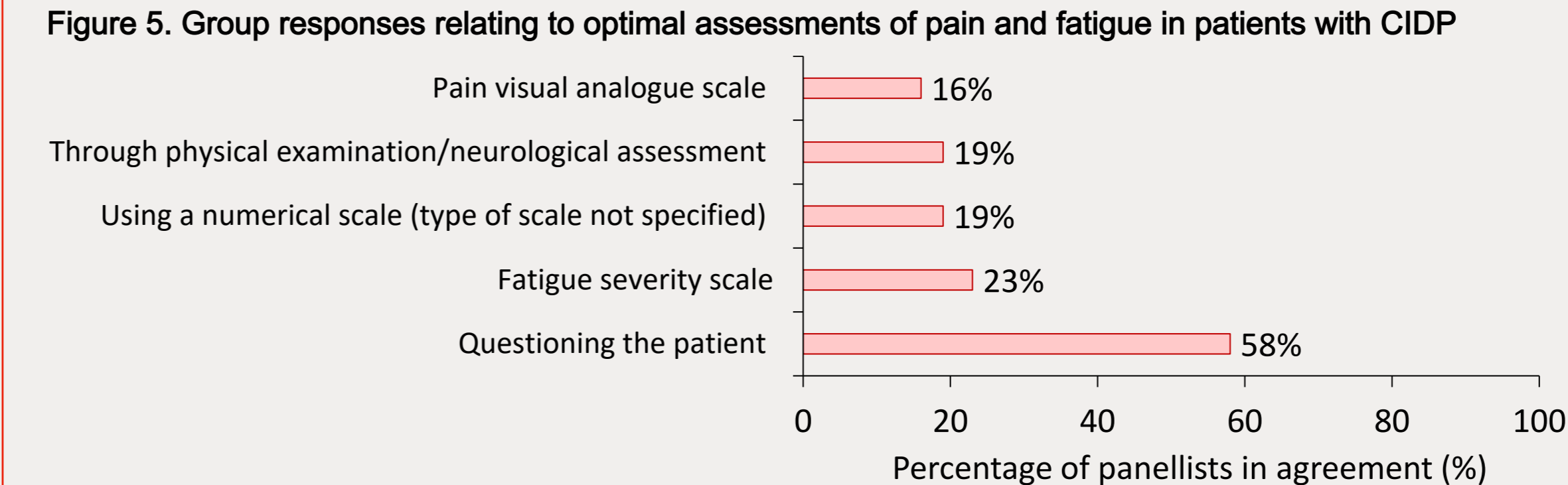
- Only 38% of the PAG cohort reported familiarity with the above scales.

Relevance and applicability of HRQoL measures



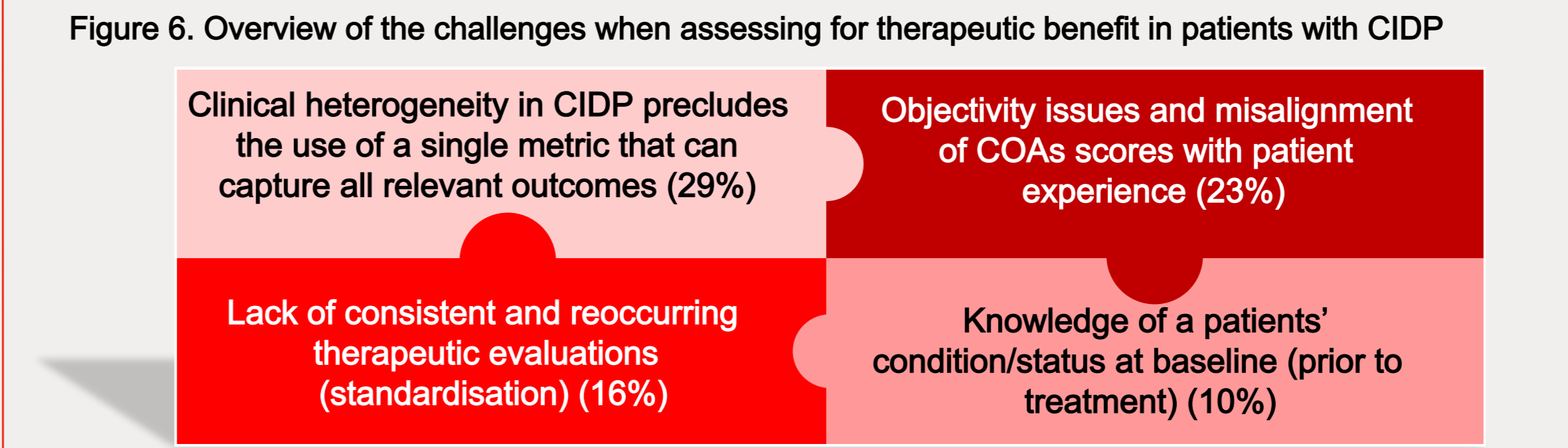
Relevance and applicability of symptomatic COAs for pain and fatigue

- When prompted to consider how pain and fatigue can be adequately assessed in routine practice, a variety of responses were received (Figure 5).



Barriers to optimal assessment of therapeutic benefit

- When asked to consider what the greatest challenges are when assessing therapeutic benefit, several factors were identified as key challenges that hinder assessment (Figure 6).



Conclusions and Key Takeaways

- Significant outcome domains that must be considered when assessing treatment response in patients with CIDP include:
 - Physical domains (mobility, gait and balance, manual dexterity and strength, and upper and lower limb function),
 - Socio-functional domains (functional independence, activities of daily living and social participation),
 - Symptomatic domains (pain),
 - Cognitive domains (cognitive functioning),
 - Overall HRQoL.

Using consistent COAs over time allows clinicians to identify improvement or deterioration, however, symptoms of CIDP can evolve over time and the relevance of domains may also therefore change over time. The domains prioritised for assessment should remain flexible to ensure outcomes are meaningful.

While several outcome measures exist for several different domains e.g., physical impairment, HRQoL, pain, and fatigue, existing COAs are considered to have limitations.

There remains an unmet need to identify COAs that are relevant to both clinicians and patients, considering individual experiences and the clinical heterogeneity of CIDP.

Further research is required to understand whether a composite outcome measure can be developed that includes all key relevant outcome domains to patients with CIDP.

Next steps

Based on insights collected within the first-round of this Delphi panel, a second-round survey is currently in development, with survey completion expected by June 2025, followed by a virtual meeting (with results expected in July 2025).

The second-round survey aims to probe further on first round insights, shifting the focus from outcome domains to specific scale items.

The second-round survey also aims to elicit consensus on what type of questions panellists would like to see included in a novel COA for CIDP, designed to capture a range of outcome domains considered important to both HCPs and patients, alongside their thoughts on the relevance and appropriateness of existing measures to help optimise CIDP management and patient care.

Disclosures

The study was funded by Johnson and Johnson Innovative Medicine, which provided Adelphi Values PROVE with funding for the review; GMB, CG, and MM are Johnson and Johnson employees and may hold stock or stock options. YAR has received speaker/consultancy honoraria from LFB, Polyneuron, Argenx, Takeda, Janssen, Sanofi, Dianthus, has received educational sponsorships from LFB and CSL Behring and has obtained research grants from LFB. EN-O has received speaker/consultancy honoraria from Argenx, Takeda, CSL Behring, Dianthus, Janssen, Kedrion, LFB, Roche and has received a research grant from Takeda. CF is a GBS/CIDP Foundation International employee.