Improvements in Patient-Reported Outcomes Through 24 Weeks of Guselkumab Treatment in Participants with Active Psoriatic Arthritis and Inadequate Response and/or Intolerance to One Prior Tumor Necrosis Factor Inhibitor



Scan the QR code. The QR code is intended to provide scientific informatio

fatigue, improving physical function, and enhancing overall HRQoL

In the SOLSTICE TNFi-IR

population, both GUS dosing

efficacy vs PBO in reducing

regimens demonstrated superior

Key Takeaways

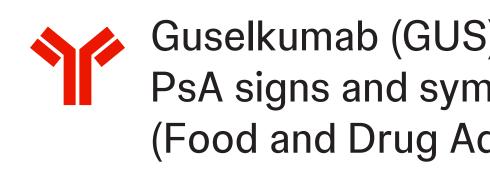
These findings reinforce the efficacy of GUS, irrespective of dosing regimen, in a TNFi-IR population across multiple PROs

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Background

Psoriatic arthritis (PsA), a chronic, heterogeneous, inflammatory disease affecting joints and skin, can substantially impact health-related quality of life (HRQoL) and lead to impaired physical function^{1,2}



Guselkumab (GUS), a fully human interleukin (IL)-23p19-subunit inhibitor, has shown efficacy in significantly improving PsA signs and symptoms with 2 dosing regimens: 100 mg every 4 weeks (Q4W) or 100 mg at Week (W)0, W4, then Q8W (Food and Drug Administration-approved on-label dosing regimen³), in the pivotal Phase 3 DISCOVER-1&2 studies^{4,5} - GUS is indicated to treat moderate-to-severe plaque psoriasis (PsO), active PsA, and moderately-to-severely active Chrohn's disease and ulcerative colitis³

SOLSTICE is an ongoing phase 3b, multicenter, randomized, double-blind, PBO-controlled study, intended to further evaluate the efficacy of the two dosing regimens of GUS (100 mg Q4W and Q8W vs PBO) on signs and symptoms of PsA, including patient-reported outcomes (PROs) assessing physical function, fatigue, and overall HRQoL, in participants (pts) with active PsA and inadequate response (IR [inadequate efficacy/intolerance]) to 1 prior tumor necrosis factor

Objective

inhibitor (TNFi)

Report findings through W24 of the ongoing SOLSTICE study, intended to further evaluate the efficacy of GUS 100 mg Q4W and Q8W vs PBO on physical function, fatigue, and overall HRQoL among TNFi-IR pts with active PsA

Methods

FACIT-F (Fatigue)

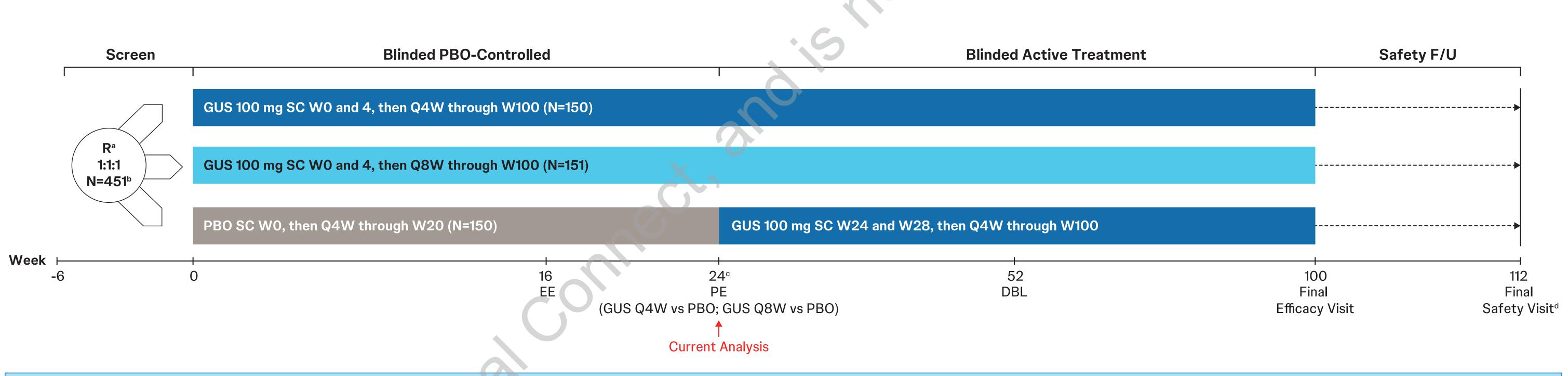
Other Secondary Endpoints:

HAQ-DI response (improvement ≥0.35)^a

✓ Age ≥18 years Active PsA (≥3 SJC; ≥3 TJC; CRP ≥0.3 mg/dL); CASPAR criteria met ^ Active (≥1 PsO plaque ≥2 cm and/or nail PsO) or documented history of PsO Selected Major Secondary PRO Endpoints (LSM change from BL) HAQ-DI (physical function) SF-36 PCS (HRQoL)

FACIT-F response (improvement ≥4)^a

Short-Form Health Survey Physical Component Summary, **SJC**=swollen joint count, **TJC**=tender joint count

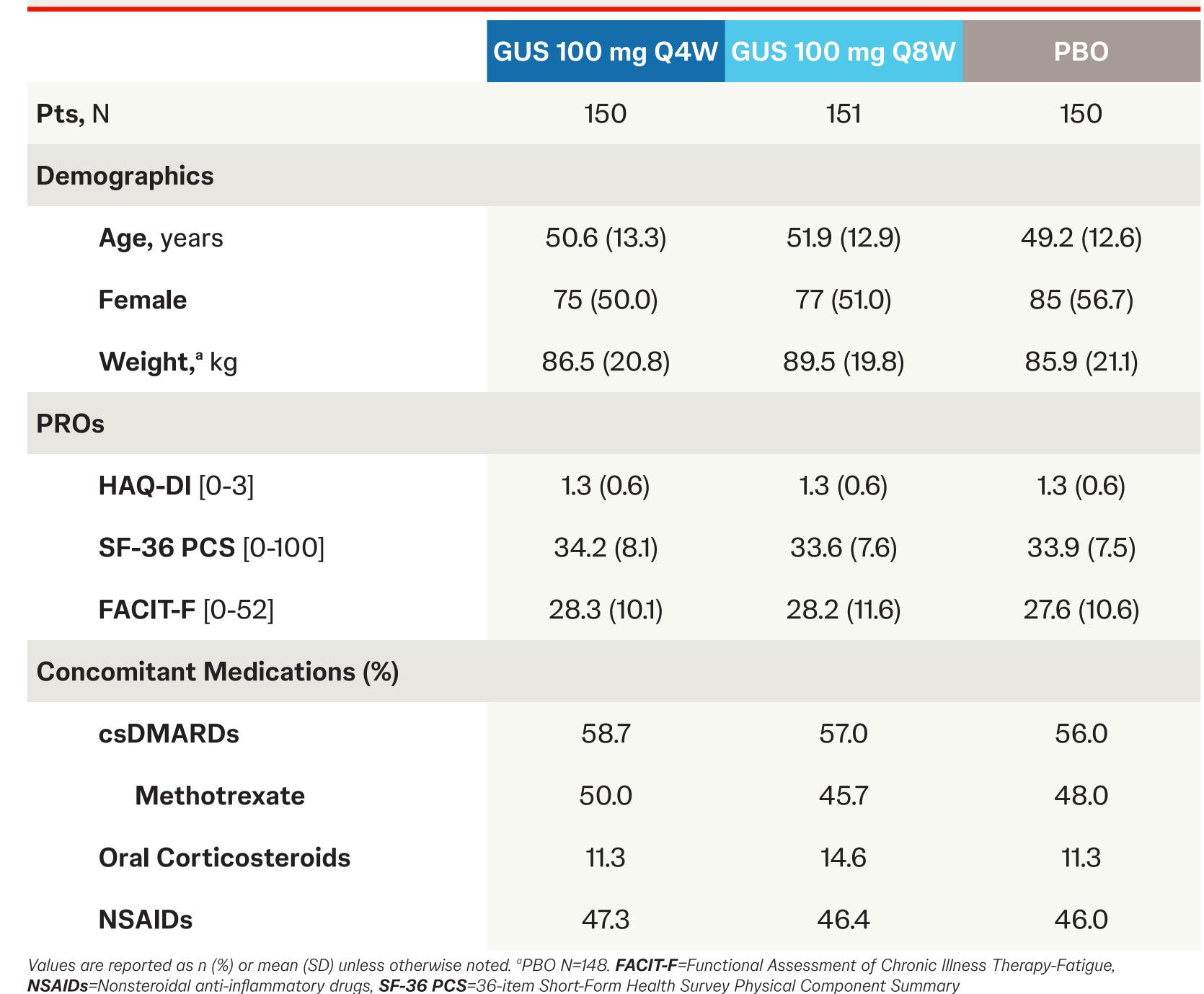


• Efficacy Analysis Set: All randomized pts, excluding 1 randomized to 2 treatment groups • After applying treatment failure rules (no change from BL or nonresponder), data impacted by ND/MD were not used; other missing data were imputed using MI for continuous endpoints and NRI for binary endpoints

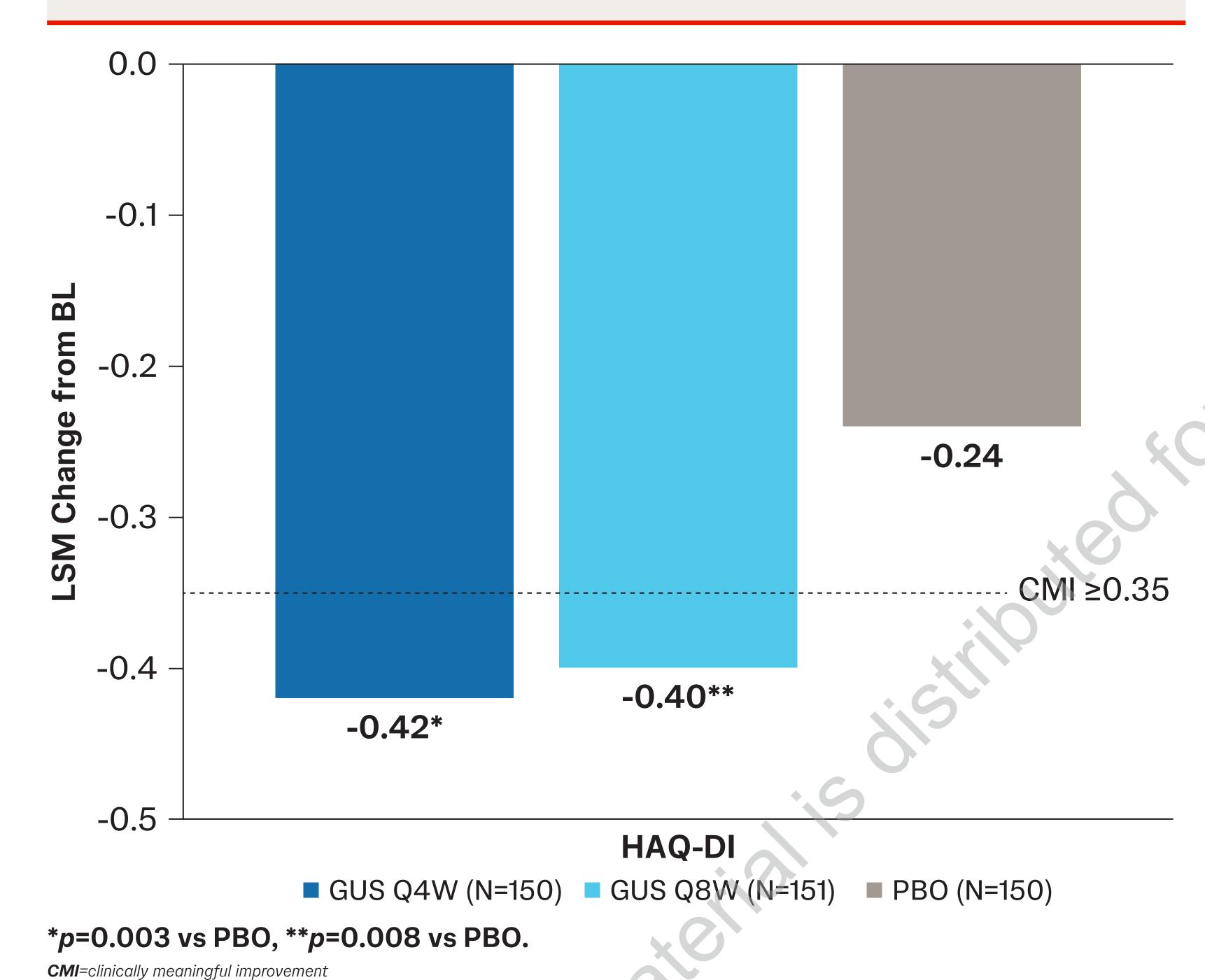
atabase lock, **EE**=early escape, **F/U**=follow-up, **MD**=Major Disruption (Ukraine and neighboring countries/territories beginning 24 February 2022), **MI**=multiple imputation, **ND**=Natural Disaster (COVID-19 site access restrictions), **NRI**=non-respondent

Results

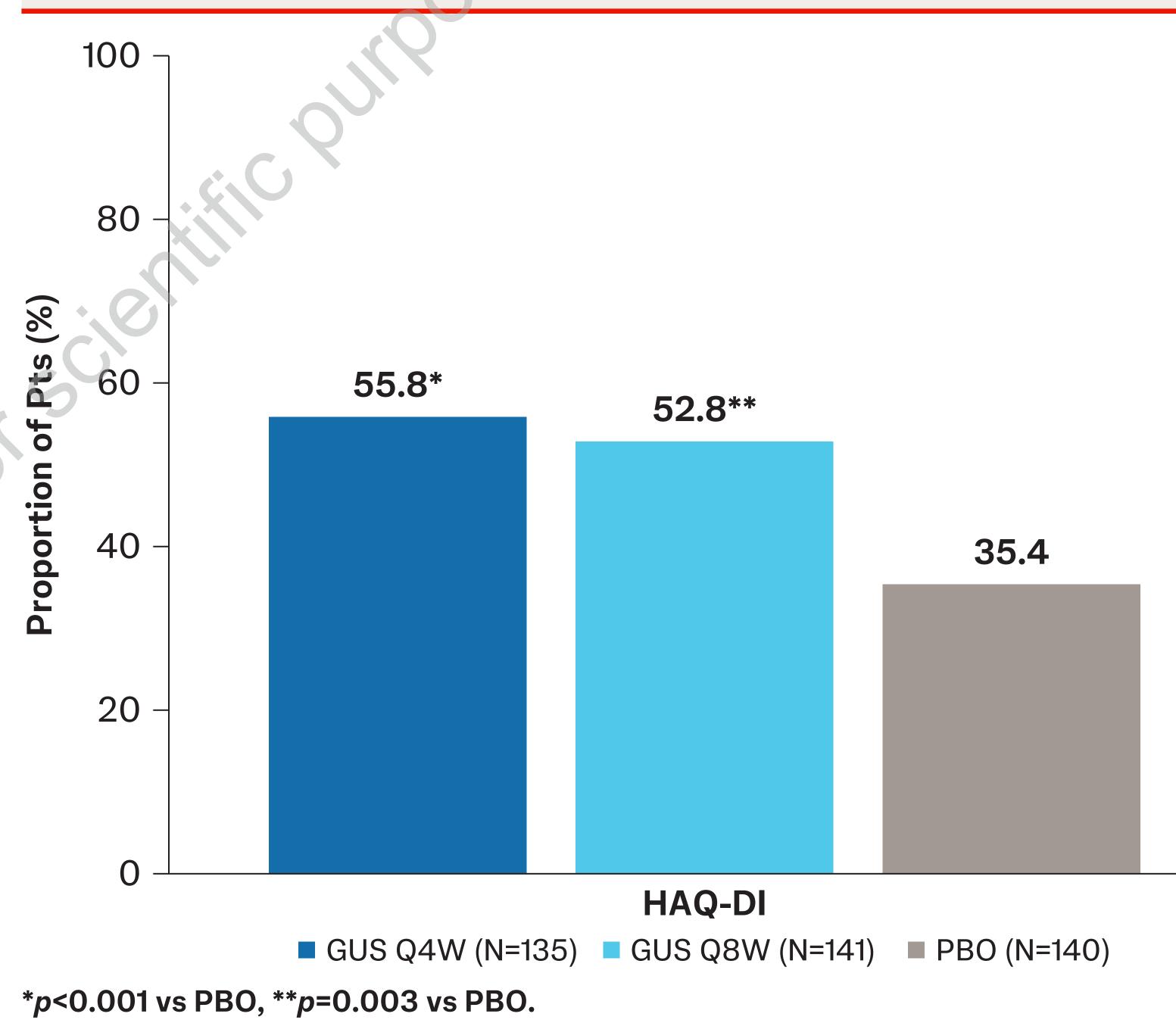
Pts had moderate-to-severe impairment of physical function and fatigue at BL consistent with an active PsA population



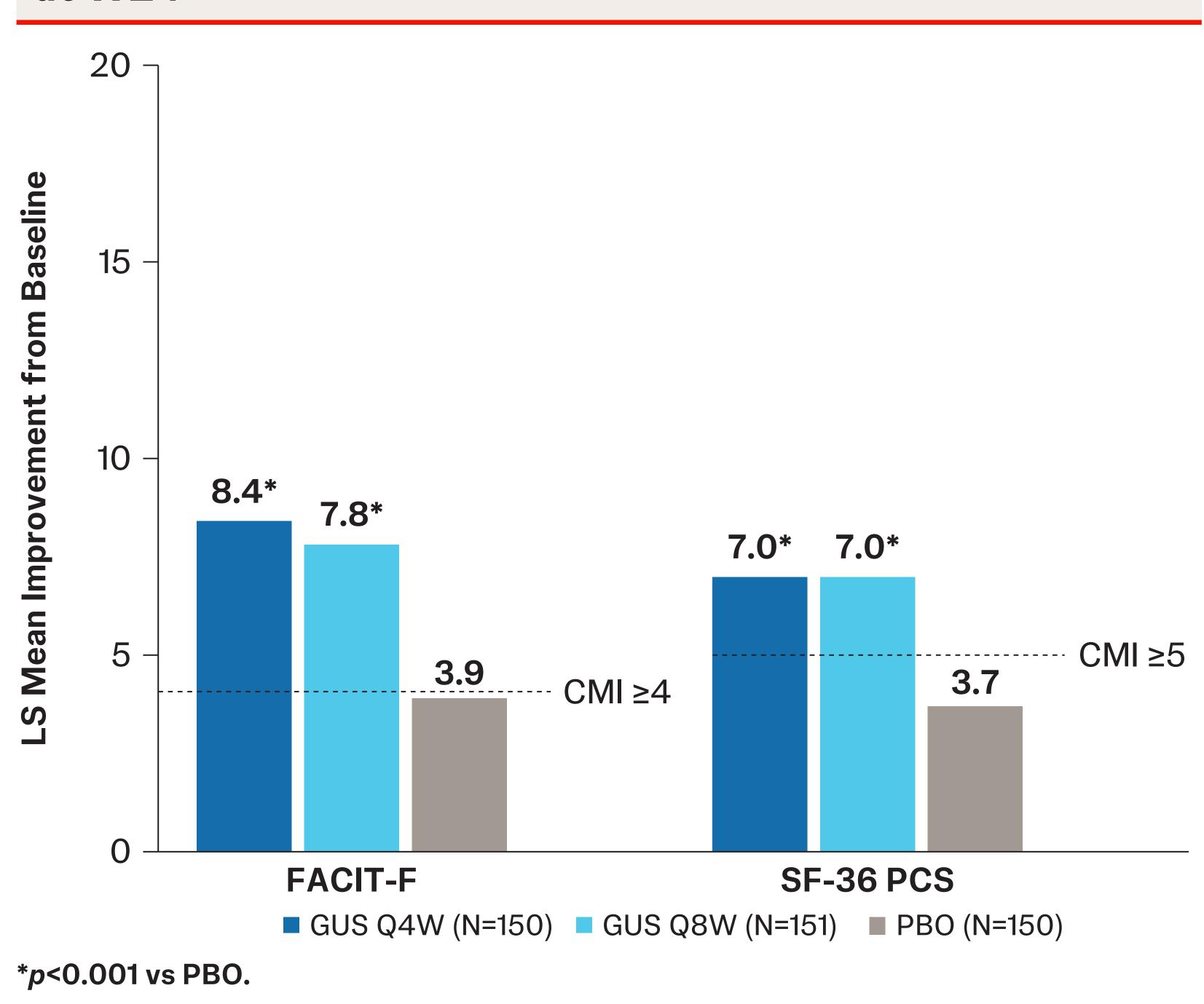
Pts receiving GUS achieved significantly greater improvements in physical function at W24 vs PBO



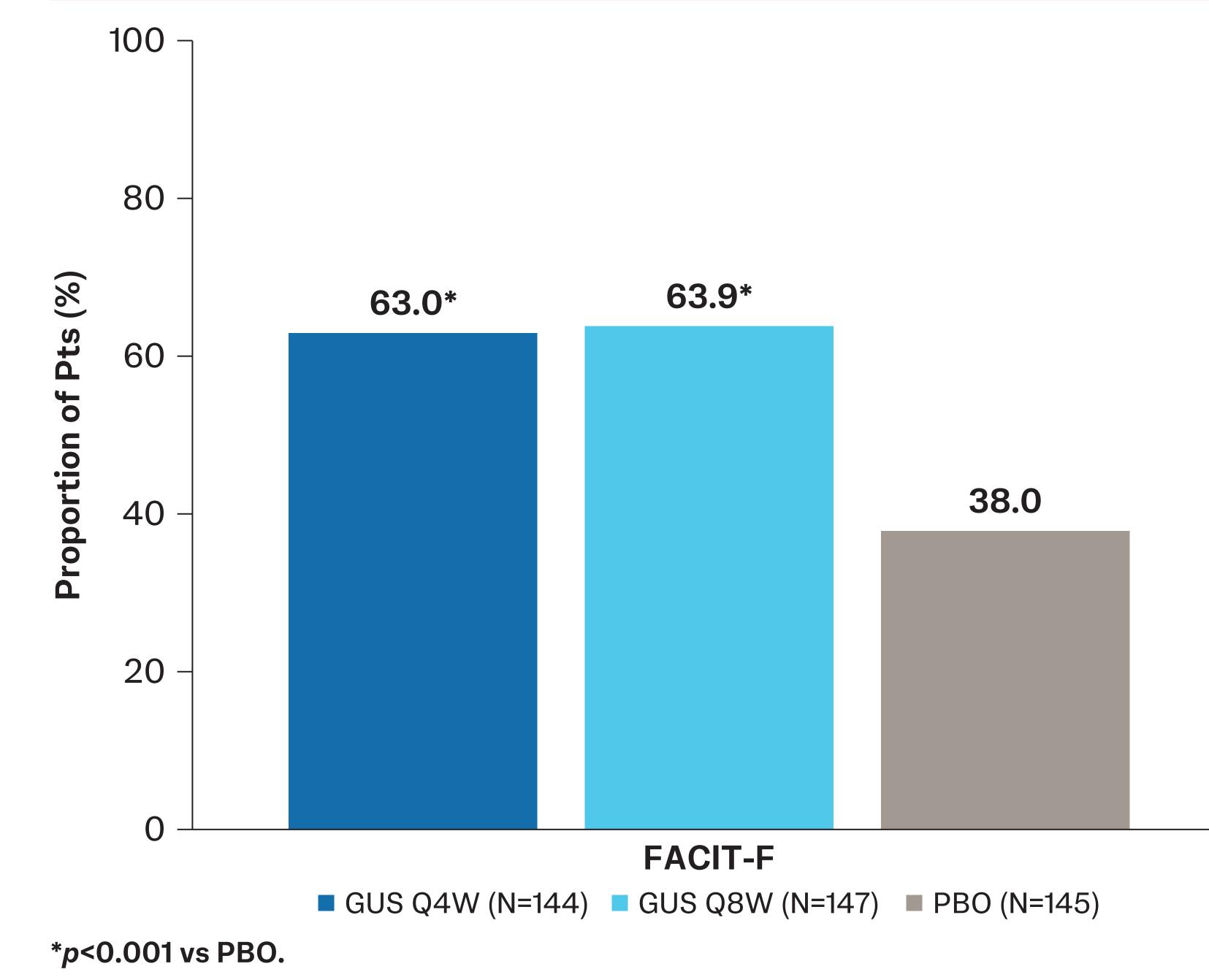
Greater proportions in both GUS groups achieved meaningful improvement (≥0.35) in physical function vs PBO at W24°



GUS-treated pts had significantly greater improvements from BL in fatigue and overall HRQoL compared with PBO at W24



Greater proportions of GUS-treated pts achieved clinically meaningful improvement (≥4) in FACIT-F score vs PBO at W24



PRESENTED AT: CCR-West; September 18-21, 2025; Hunting ton Beach, California, USA. PRESENTER: Dr. Stacey L Fitch; employee of Johnson & Frenction of the authors in accordance with Good Publication Practice guidelines (Ann Intern Med. 2020;395:1126-36. ACKNOWLEDGMENTS: Medical writing support was provided by Kristin Leppard, M.S., under the direction of the authors in accordance with Good Publication Practice guidelines (Ann Intern Med. 2020;1115-25. 5. Mease PJ, et al. Lancet. 2020;395:1126-36. ACKNOWLEDGMENTS: Medical writing support was provided by Kristin Leppard, M.S., under the direction of the authors in accordance with Good Publication Practice guidelines (Ann Intern Med. 2020;1115-25. 5. Mease PJ, et al. Lancet. 2020;395:1126-36. ACKNOWLEDGMENTS: Medical writing support was provided by Kristin Leppard, M.S., under the direction of the authors in accordance with Good Publication Practice guidelines (Ann Intern Med. 2020;1115-25. 5. Mease PJ, et al. Lancet. 2020;395:1126-36. ACKNOWLEDGMENTS: Medical writing support was provided by Kristin Leppard, M.S., under the direction of the authors in accordance with Good Publication Practice guidelines (Ann Intern Med. 2020;115-25. 5. Mease PJ, et al. Lancet. 2020 In subtie, and UCB. PJM: grants: AbbVie, Amgen, Eli Lilly, Johnson & Johnson, Novartis, Pfizer, and UCB; consulting fees: AbbVie, Amgen, Eli Lilly, Inmagene, Eli Lilly, Inmagene, Eli Lilly, Johnson & Johnson Johnson & Johnso Lilly, Gilead, GlaxoSmithKline, Johnson & Johnson, Novartis, Pfizer, and UCB; advisory board fees: AbbVie, Pfizer, and Novartis (all to University of Pennsylvania), and Amgen (to Forward/NDB); and other funding: National Psoriasis Foundation, University of Pennsylvania. Previously presented at Congress of Clinical Rheumatology (CCR) - West 2025; Huntington Beach, CA, USA; September 18-21, 2025.

^aAmong pts with a BL HAQ-DI score ≥0.35