

# Exploring the value of achieving complete or near complete skin clearance in patients with a history of moderate-severe psoriasis: A real-world survey in Europe

Authors: Oluwakayode Adejoro<sup>1</sup>, Emily Goddard<sup>2</sup>, Bruno Kranz<sup>2</sup>, James Hetherington<sup>2</sup>, Liane Gillespie-Akar<sup>2</sup>  
Affiliations: <sup>1</sup>Johnson & Johnson, Horsham PA, USA. <sup>2</sup>Adelphi Real World, Bollington, UK

## Background

The Psoriasis Area and Severity Index (PASI) is a standard tool for assessing psoriasis severity<sup>1</sup>. It combines lesion characteristics, and the extent of body surface area affected to evaluate treatment response.

Achieving absolute PASI ≤2 (which corresponds to PASI 90 response, complete or near complete skin clearance), is a relevant treatment outcome for moderate-severe psoriasis (PsO), including treat-to-target approaches<sup>2</sup>.

There is limited data which assesses the impact of achieving complete or near complete skin clearance on disease severity measures and quality of life in moderate-severe PsO patients in Europe.

## Objectives

To describe the value of achieving complete or near complete skin clearance, this study compared characteristics of patients who achieved absolute complete or near complete skin clearance vs those who did not.

## Methods

- Data were drawn from the Adelphi Real World PsO Disease Specific Programme™ (DSP), a cross-sectional survey, with retrospective data collection, of dermatologists and their consulting patients with PsO in France, Germany, Italy, Spain and the United Kingdom from December 2021 – March 2022.
- Dermatologists reported patient demographics and clinical characteristics (e.g., most common symptoms and body areas affected, body surface area (BSA), and Physician Global Assessment (PGA)). Patients were invited to voluntarily self-report their quality of life via the EuroQol Visual Analogue Scale (EQ-VAS)<sup>3</sup> and Dermatology Life Quality Index (DLQI)<sup>4</sup>.
- Patients included in the analysis had a history of moderate-to-severe PsO (BSA >3 at any point post-diagnosis as reported by their physician). Patients were stratified by PASI at time of survey; achieved absolute PASI ≤2 vs. PASI >2.

## Results

**Overall, 193 dermatologists reported data for 1203 patients (n=819 with PASI≤2, n=384 with PASI >2). For patients with PASI ≤2, mean age was 42.8 ± 13.8 years, 44% were female, 90% were White, mean time since diagnosis was 7.0 ± 8.5 years, mean time on current treatment was 1.5 ± 1.7 years, and 6% were not prescribed any treatment. For patients with PASI >2, this was 43.4 ± 14.6 years, 41% female, 92% White, 6.9 ± 8.0 years since diagnosis, 1.3 ± 2.5 years on current treatment and 3% were not prescribed any treatment.**

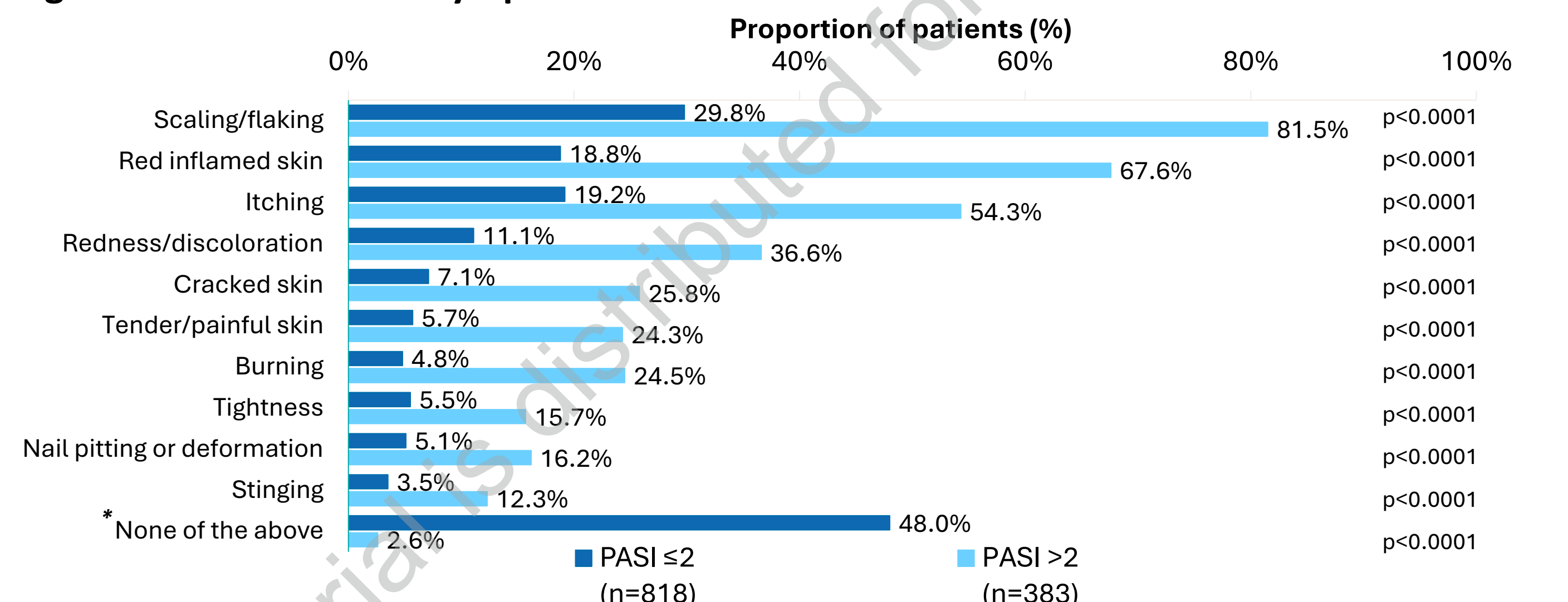
Table 1: Patient demographics

Baseline Characteristics	Overall (n=1203)	PASI ≤2 (n=819)	PASI >2 (n=384)	p-value
Age, years, mean (±SD)	43.0 (±14.1)	42.8 (±13.8)	43.4 (±14.6)	0.4461
Female, n (%)	520 (43.2)	364 (44.4)	156 (40.6)	0.2310
Race, White, n (%)	1087 (90.4)	735 (89.7)	352 (91.7)	0.3457
BMI, kg/m <sup>2</sup> , mean (±SD)	26.0 (±6.5)	25.7 (±4.0)	26.5 (±9.9)	0.0395
Current smoker, n (%)	(n=1036) 267 (25.8)	(n=714) 175 (24.5)	(n=322) 92 (28.6)	0.3057
Employment, full-time, n (%)	748 (62.2)	515 (62.9)	233 (60.7)	0.8326
Time since diagnosis, years, mean (±SD)	(n=837) 6.9 (±8.3)	(n=584) 7.0 (±8.5)	(n=253) 6.9 (±8.0)	0.8922
Time since current regimen began, years, mean (±SD)	(n=1000) 1.5 (±2.0)	(n=686) 1.5 (±1.7)	(n=314) 1.3 (±2.5)	0.2220

PASI = Psoriasis Area Severity Index, SD = Standard deviation, BMI = Body mass index

**Patients with PASI ≤2 less commonly experienced scaling/flaking (30% vs 82%; p<0.0001), red inflamed skin (19% vs 68%; p<0.0001) and itching (19% vs 54%; p<0.0001) as well as less frequent coverage of the scalp (21% vs 50%; p<0.0001), face (6% vs 18%; p<0.0001) and groin or genitals (6% vs 18%; p<0.0001) as compared to patients with PASI ≤2, who more commonly had no symptoms (48% vs 3%; p<0.0001) and no body areas affected (46% vs 2%; p<0.0001) compared to patients with PASI >2.**

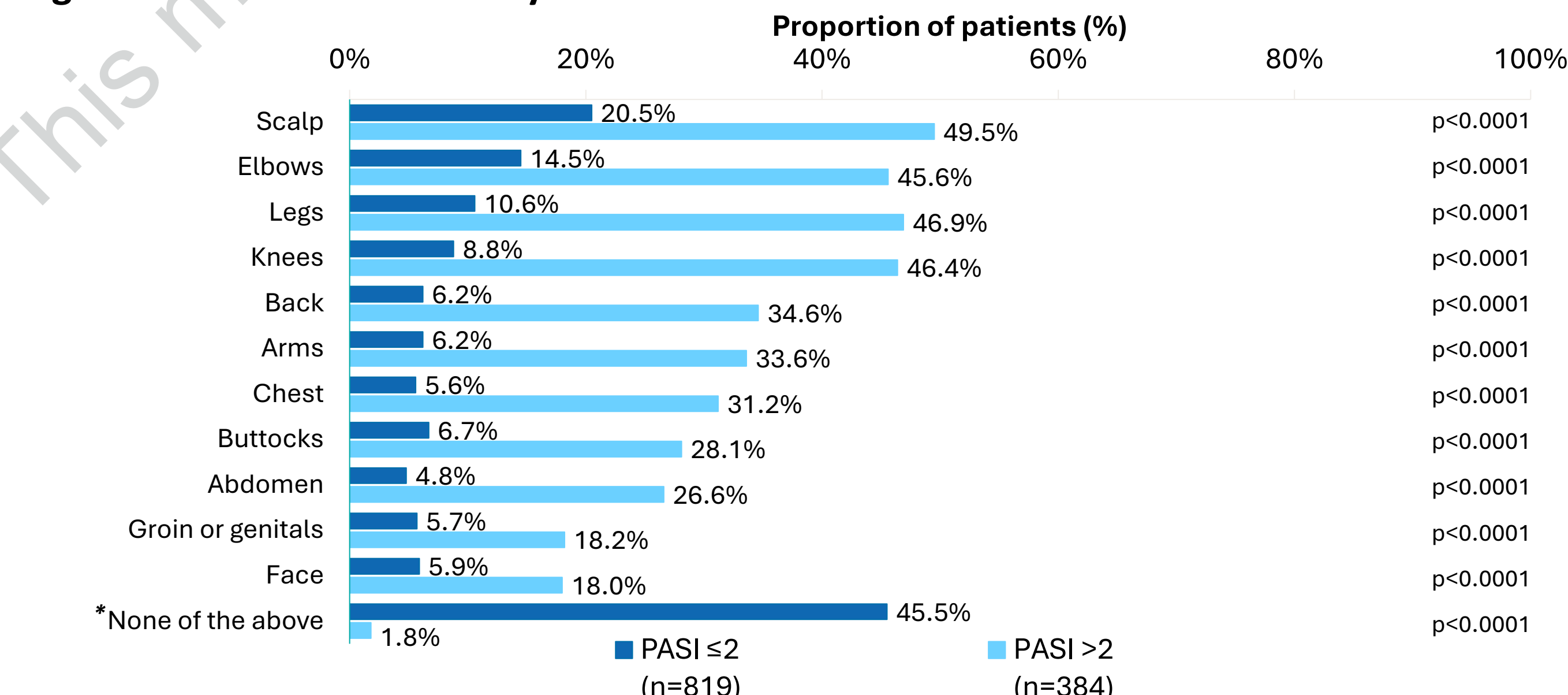
Figure 1: Most common symptoms



\* Full list provided was Bleeding, Onycholysis, Muscle weakness, Tiredness/fatigue, Temperature/fever, Weight loss, Redness and pain of the eye, Poor circulation, Dehydration, Abdominal pain, Abdominal cramp.

PASI = Psoriasis Area Severity Index

Figure 2: Most common body areas affected



\* Full list provided was: Neck, Soles of feet, Toes, Other areas of feet, Elbows, Palms of hands, Backs of hands, Fingers, Nails

PASI = Psoriasis Area Severity Index



Scan the QR code.  
The QR code is intended to provide scientific information for individual reference, and the information should not be altered or reproduced in any way.

## Key Takeaways

✓ PsO patients who achieved complete/near-complete skin clearance (absolute PASI ≤2) experienced lower disease burden, including fewer PsO symptoms, fewer body areas affected (overall and special sites), and had a better health-related quality of life than those who achieved absolute PASI >2.

✓ The multidimensional value associated with achieving complete/near-complete skin clearance, especially in regard to quality of life, should be considered as a key treatment target when making therapeutic decisions in PsO.

## Analysis

Numeric results were reported as mean ± standard deviation, categorical as relative frequency. To compare the two skin clearance groups, bivariate analyses were conducted using:

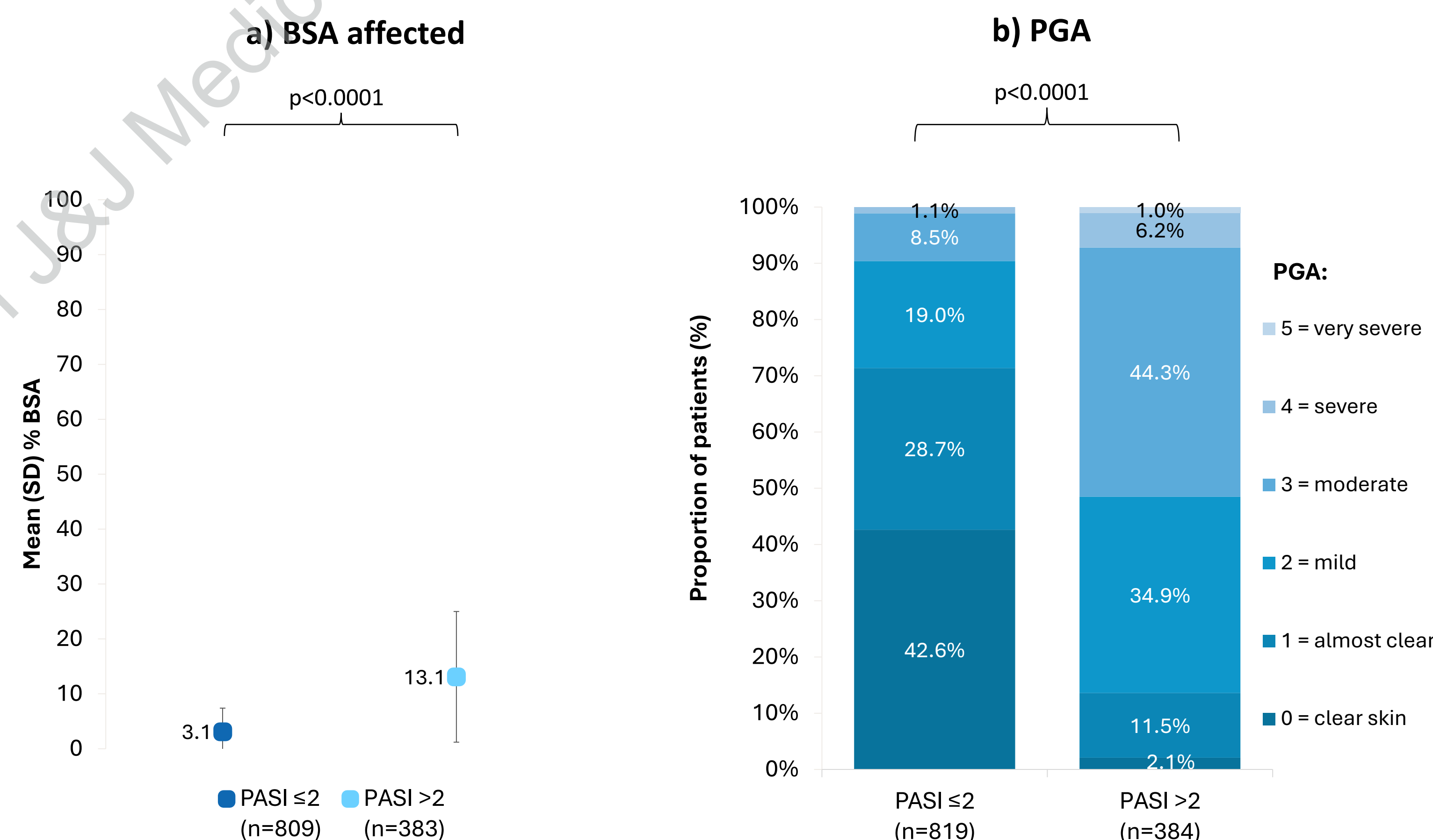
- t-test for numeric variables
- Fisher's exact test for categorical variables
- Mann-Whitney U test (non-parametric) for ordinal categorical variables
- p<0.05 indicates significance

## Limitations

Participating patients may not reflect the PsO population as the DSP only includes patients who are consulting with their physician. Recall bias is a common limitation of surveys; however, physicians had the ability to refer to patients' medical records to help mitigate recall bias. The BSA>3% criterion may under-capture cases with special area involvement or higher DLQI with BSA≤3%, and the sample's representation relies on patients with available BSA data.

**Patients with PASI ≤2 had lower mean BSA affected (3.1% ± 4.3% vs 13.1% ± 11.9%; p<0.0001) and lower physicians' global assessment (PGA) score (43% PGA=0 vs 2% PGA=0, p<0.0001) compared to patients with PASI >2.**

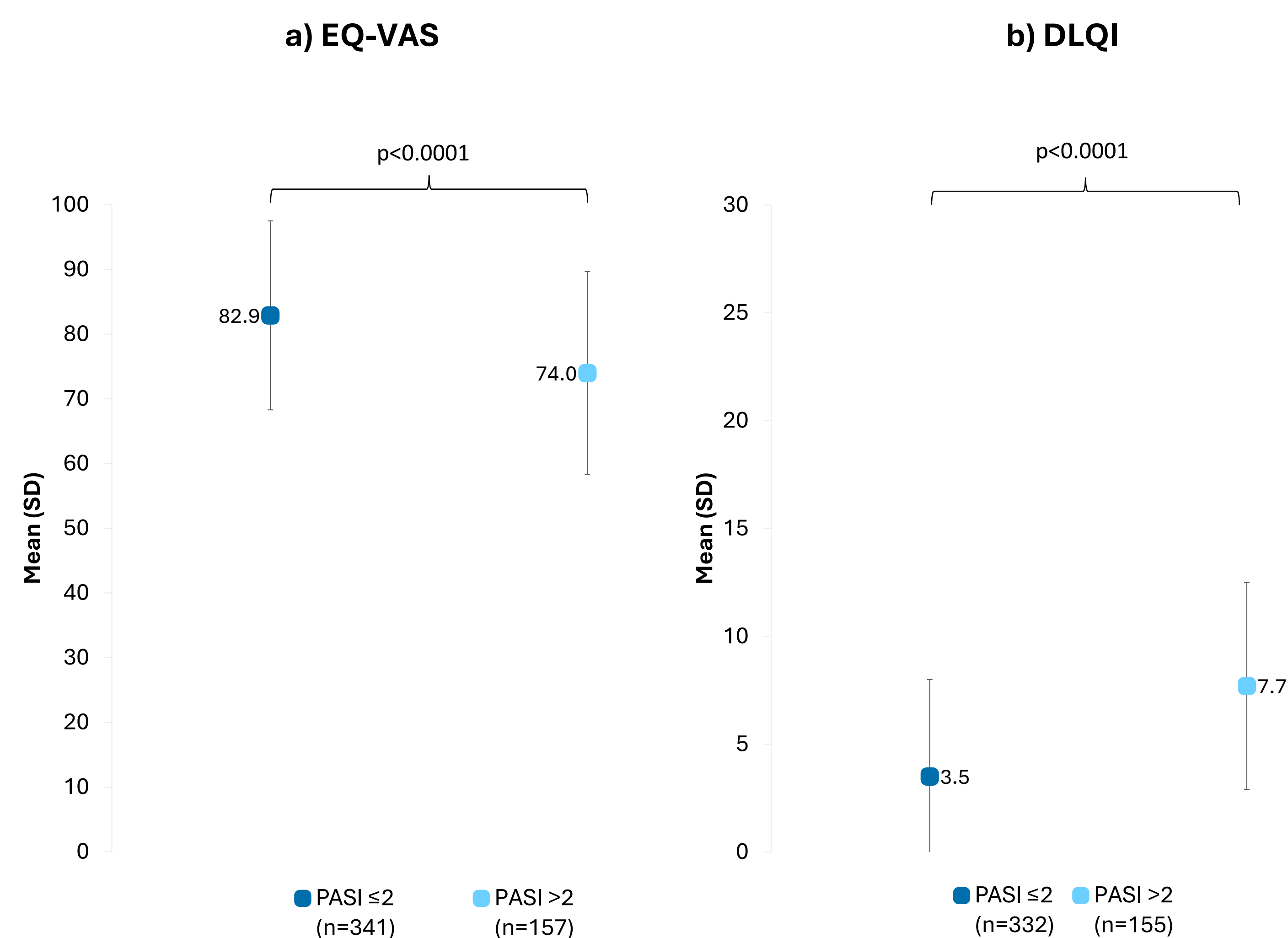
Figure 3: Physician-reported disease severity measures



BSA= Body surface area, PGA= Physician global assessment, PASI= Psoriasis Area Severity Index

**Patients with PASI ≤2 had a higher mean EQ-VAS score (82.9 ± 14.6 vs 74.0 ± 15.7; p<0.0001), and lower mean DLQI (3.5 ± 4.5 vs 7.7 ± 4.8; p<0.0001), indicating lower burden of disease.**

Figure 4: Patient-reported outcomes



EQ-VAS = Visual Analogue Scale, DLQI = Dermatology Life Quality Index PASI = Psoriasis Area Severity Index

ACKNOWLEDGMENTS: The authors would like to thank the patients and physicians who participated in the Adelphi Real World PsO Disease Specific Programme™.

Conflict of interest: Emily Goddard, Bruno Kranz, James Hetherington, and Liane Gillespie-Akar are employees of Adelphi Real World. Oluwakayode Adejoro was an employee of Johnson & Johnson at the time of writing.

Funding statement: Johnson & Johnson did not influence the original survey through either contribution to the design of questionnaires or data collection. The analysis described here used data from the Adelphi Real World PsO DSP. The DSP is a wholly owned Adelphi Real World product. Johnson & Johnson are one of multiple subscribers to the DSP. Publication of survey results was not contingent on the subscriber's approval or censorship of the publication.

- Nishida E. et al., J Dermatol. 2025;52(5):947-949. doi:10.1111/1346-8138.17723.
- Mahil SK. et al., Br J Dermatol. 2020;182(5):1158-1166.
- Herdman M. et al., Quality of life research 2011;20.10: 1727-1736.
- Finlay, A.Y. and Khan, G. K. Clinical and Experimental Dermatology. 1994;19 (3):210-216. (10.1111/j.1365-2230.1994.tb01167.x)