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Key Takeaways

- At 12M, in the full PsABIOnd population of pts with PsA, GUS and IL-17i showed:
 - High treatment persistence
 - Similar effectiveness across key PsA domains
 - Comparable improvements in PROs
 - Generally similar safety profiles
- Both mechanisms of action appear to be effective for long-term PsA management in routine clinical practice, supporting findings from RCTs

Persistence, Effectiveness, Safety, and Patient Reported Impact of Guselkumab and IL-17 Inhibitors in Psoriatic Arthritis: Full Population Results of the PsABIOnd Global Observational Study Over 12 Months

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Background

- Psoriatic arthritis (PsA) is chronic inflammatory disease affecting both joints and skin, with substantial impact on health-related quality of life^{1,2}
- Interleukin (IL)-23 inhibitors (i) and IL-17i have shown efficacy across clinical and patient-reported outcomes (PROs) in randomized controlled trials (RCTs), but evidence from real-world practice remains limited
- PsABIOnd (NCT05049798)
 - Global, ongoing observational study evaluating the treatment persistence, effectiveness and long-term safety of guselkumab (GUS) and IL-17i in routine participants (pts) with PsA³
 - Previous 6-month (M) analysis showed similar persistence and effectiveness across various PsA domains with GUS and IL-17i⁴

Objective

- Evaluate 12M treatment persistence, effectiveness, PROs, and safety in pts initiating GUS or IL-17i from the real-world PsABIOnd study

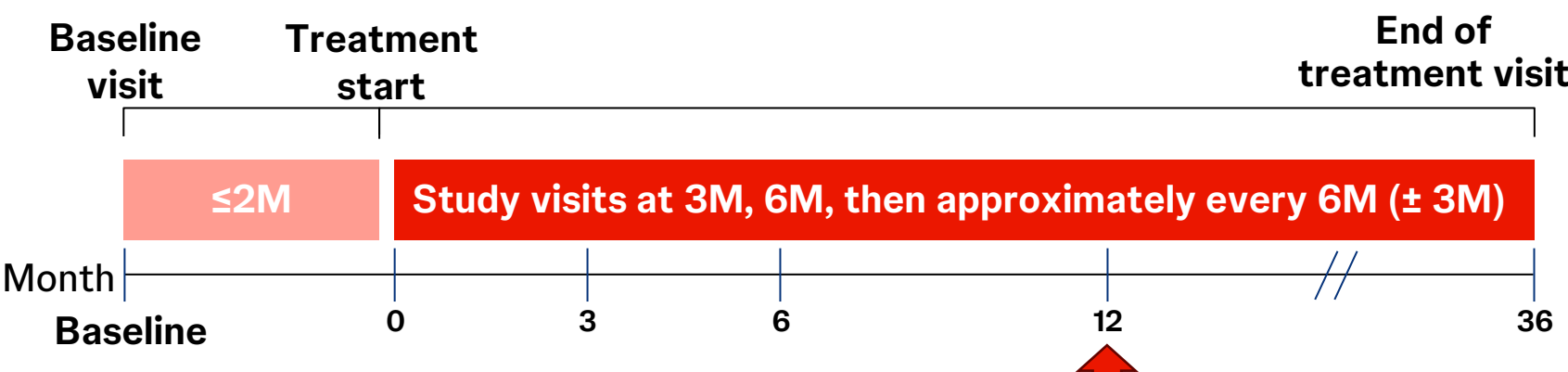
Methods

PsABIOnd Study Design

- Participant Selection**
 - Adults diagnosed with PsA
 - Initiating GUS or an IL-17i as a 1st-to-4th line of biologic therapy³ per standard of care
 - Enrollment completed in May 2024 with 1314 pts from 19 countries
- Study Objectives**
 - Primary: 36M treatment persistence
 - Secondary: 36M effectiveness via physician-completed assessments and ePROs, safety, predictors of response and persistence, patterns of treatment lines, etc

Current Analysis

- As of 08 August 2025, 1141 out of 1314 pts had analyzable 12M visit data



Assessments and Analyses

Persistence on treatment with GUS and IL-17i over 12M

- Kaplan-Meier analysis of treatment persistence (i.e., no stop or switch)⁵
- Propensity score (PS) analysis: HR of stopping/switching GUS vs IL-17i prior to the 12M visit, adjusting for baseline variable imbalances across cohorts

Safety with GUS and IL-17i through 12M

Outcome	Analyses
Adverse event	No. (%) of pts experiencing ≥1 adverse event Exposure-adjusted rate of events (events/100 PY)

PsA clinical outcomes and PROs with GUS and IL-17i at the 12M visit

Outcome	Analyses
cDAPSA LDA/REM	Achievement of cDAPSA score ≤13 ^e
DAPSA LDA/REM	Achievement of DAPSA score ≤14 ^e
MDA	Achievement of 5 out of 7 criteria ^{d,e}
Mild psoriasis BSA	Achievement of BSA <3% ^f
LEI	Mean change from baseline to 12M
No. of digits affected by dactylitis	
No. of nails affected by PsO	PsAID-12 decrease ≥1.4 ^g
PsAID-12 MCII	Mean at baseline and 12M
PsAID-12 item scores	Achievement of DLQI 0 or 1 ^f
DLQI 0/1	

- Descriptive unadjusted data were analyzed
- LOCF was used for imputation of missing data in pts with no 12M visit
- Pts were analyzed by initial treatment line⁶
- Treatment comparison was based on 95% CI

^aMonotherapy or in combination with other agents. ^bDefined as the time from the date of the first treatment administration to the date of the last treatment dose of the initial treatment line administration plus 1 dosing interval or until start of subsequent treatment. ^cAmong pts with baseline score >cut-off. ^dCriteria include tender joint count ≤1, swollen joint count ≤1, BSA <3%, patient pain ≤5mm, PGA ≤20mm, HAQ-DI ≤0.5, and total pain/tenderness enthesitis score ≤1 (or no enthesitis). ^eAmong non-MDA achievers at baseline. ^fAmong pts with BSA ≥3%. ^gOnly pts receiving ≥1 dose of the index drug were included. BSA=body surface area, cDAPSA=Clinical Disease Activity Index for PsA, CI=confidence interval, DLQI=Dermatology Life Quality Index, ePRO=electronic patient-reported outcome, HAQ-DI=health assessment questionnaire-disability index, HR=hazard ratio, HRQL=health-related quality of life, LDA=low disease activity, LEI=Leeds Enthesitis Index, LOCF=last observation carried forward, MCII=minimal clinically important improvement, MDA=minimal disease activity, PsAID-12=PsA impact of disease-12, PsO=psoriasis, PGA=patient global disease activity, PY=per year, REM=remission.

Results

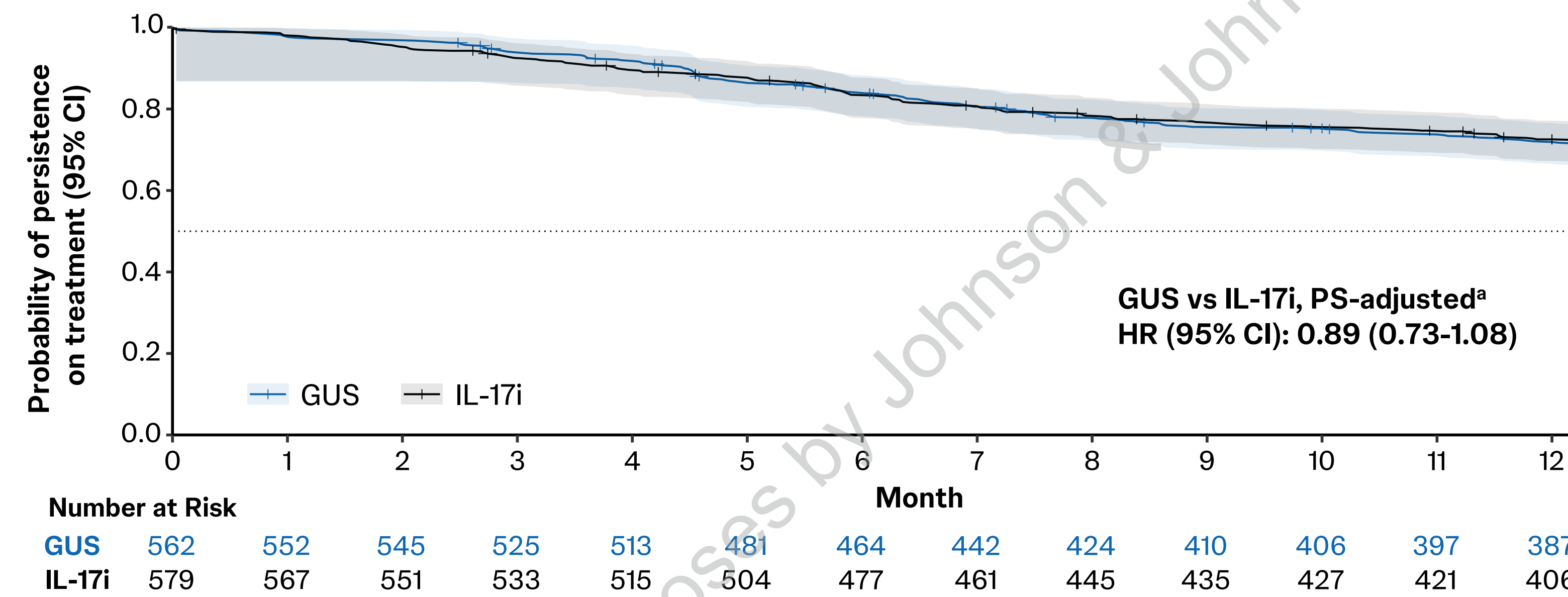
Baseline characteristics were generally well-balanced between treatment cohorts

- A higher proportion of GUS pts were initiating their 4th treatment line

Baseline characteristics of PsABIOnd study pts	GUS (N=562)	IL-17i (N=579)
Demographics		
Age, years	53.1 (12.8)	53.4 (12.0)
Male	40%	41%
BMI, kg/m ²	30.0 (6.5) ^a	29.4 (6.3) ^b
Disease Characteristics		
PsA disease duration, years	8.0 (7.9) ^c	7.4 (9.0) ^d
cDAPSA (0-154)	24.6 (14.6) ^e	27.6 (17.3) ^f
DAPSA	25.8 (15.3) ^g	28.4 (16.8) ^h
Enthesitis	47% ⁱ	50% ^j
LEI (1-6)	2.4 (1.4) ^k	2.6 (1.5) ^l
Dactylitis	16% ⁱ	19% ^j
No. affected digits (0-20)	2.5 (2.2) ^m	2.4 (2.4) ⁿ
Psoriatic BSA		
3-10%	36% ^o	31% ^p
>10%	12% ^o	9% ^p
DLQI (0-30)	7.3 (7.2) ^b	6.1 (6.7) ^q
Any PsO nail lesions	46% ^r	45% ^s
No. of affected nails (0-20)	8.6 (6.3) ^t	8.4 (6.7) ^u
PsAID-12 total score (0-10)	5.1 (2.2) ^v	5.1 (2.3) ^w
Initial bDMARD treatment line		
1 st	36%	37%
2 nd	27%	36%
3 rd	22%	19%
4 th	15%	8%

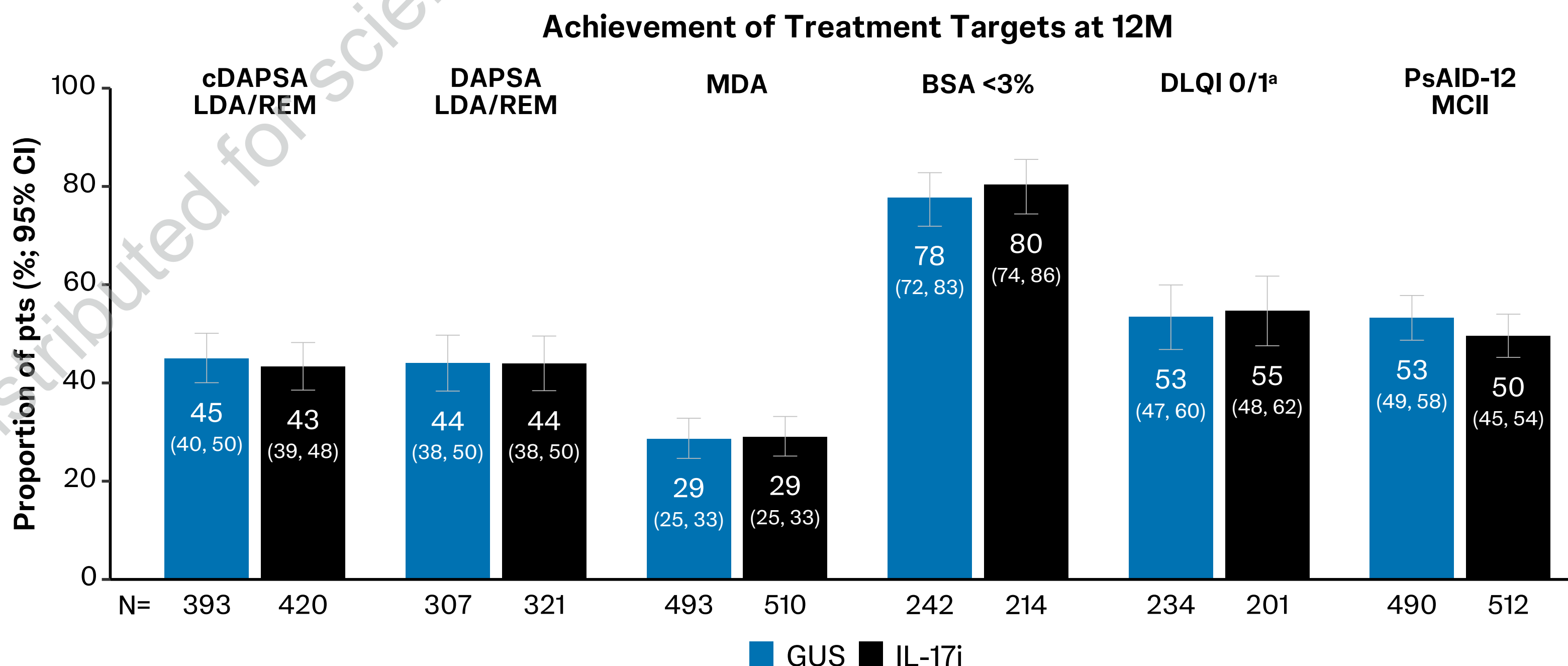
Treatment persistence was high with both GUS and IL-17i at 12M

- At 12M, 76% of GUS and 77% of IL-17i pts remained on initial treatment line; lower than at 6M (95%/93%)
- Discontinuation reasons were similar (GUS/IL-17i: primary failure: 11.7%/9.8%; adverse events: 7.3%/9.2%)

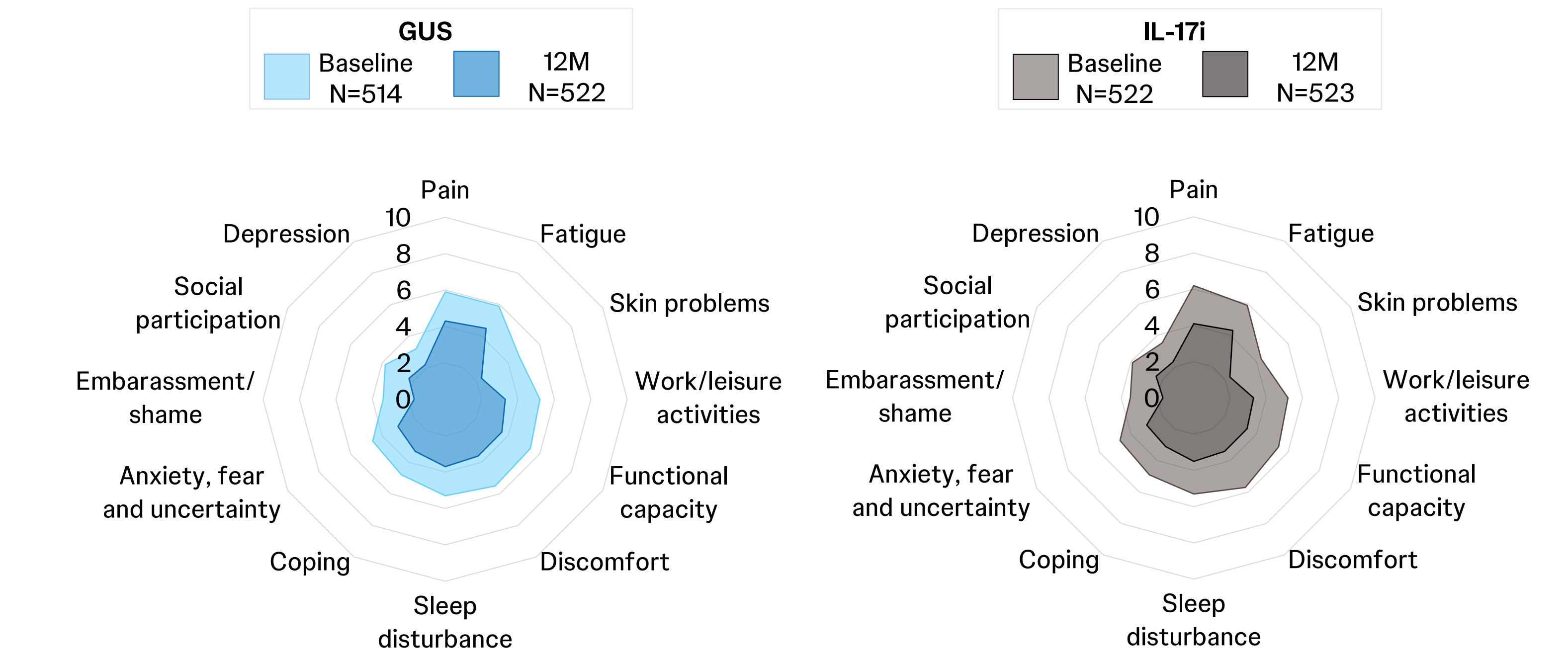


Treatment effectiveness was similar with GUS and IL-17i across PsA outcomes and PROs at 12M

- GUS/IL-17i: LEI (-1.3/-1.5); number of digits affected by dactylitis (-1.9/-2.1); number nails affected by PsO (-5.4/-4.9)



PsAID-12 item scores were comparable between treatment cohorts at 12M



Exposure-adjusted adverse event rates were generally comparable with GUS and IL-17i through 12M

- Rates of gastrointestinal adverse events were lower with GUS
- No cases of active tuberculosis occurred in either cohort

Overall summary of adverse events through 12M	GUS (N=604)	IL-17i (N=641)
≥1 Adverse event	322 (53%)	368 (57%)
Event/100 PY (95% CI)	116.6 (108.1, 125.5)	156.0 (146.6, 165.9)
Common adverse events (>5%)		
COVID-19	45 (7%)	36 (6%)
Nasopharyngitis	32 (5%)	35 (5%)
≥1 Serious adverse event	41 (7%)	44 (7%)
Event/100 PY (95% CI)	9.4 (7.1, 12.2)	8.4 (6.3, 10.9)
Adverse event leading to study discontinuation		
Event/100 PY (95% CI)	4.0 (2.5, 5.9)	4.4 (3.0, 6.3)
Gastrointestinal-related adverse event^a		
Event/100 PY (95% CI)	7.8 (5.7, 10.3)	15.5 (12.7, 18.8)
Malignancy		
Event/100 PY (95% CI)	0.7 (0.2, 1.7)	0.5 (0.1, 1.3)
Death		
Event/100 PY (95% CI)	0.0 (0.0, 0.0)	0.5 (0.1, 1.3)

Data is presented as mean (SD) unless otherwise noted. ^aN=528, ^bN=523, ^cN=555, ^dN=578, ^eN=484, ^fN=489, ^gN=417, ^hN=396, ⁱN=534, ^jN=537, ^kN=249, ^lN=271, ^mN=88, ⁿN=101, ^oN=504, ^pN=510, ^qN=524, ^rN=502, ^sN=507, ^tN=229, ^uN=227, ^vN=514, ^wN=522. BMI=body mass index, bDMARD=biologic disease-modifying antirheumatic drug, SD=standard deviation.

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