## Icotrokinra, a Targeted Oral Peptide That Selectively Blocks the Interleukin-23 Receptor, for the Treatment of Moderateto-Severe Plaque Psoriasis: Results Through Week 24 of the Phase 3, Randomized, Double-Blind, Placebo-Controlled ICONIC-LEAD Trial



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**Final** 

## Key Takeaways

In ICONIC-LEAD, among the first pivotal trials evaluating the novel targeted oral peptide ICO in adults and adolescents with moderate-tosevere plaque PsO:

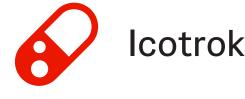
- ICO demonstrated significantly higher rates of clear/almost clear skin and scalp disease and PsO symptom relief than PBO at W16
- ICO demonstrated separation from PBO as early as W4, with increasing response rates through W24
- Rates of AEs were similar between the ICO and PBO groups
- No safety signal was identified through W24

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## Background

Patients with moderate-to-severe plaque psoriasis (PsO) are generally limited to injectable therapies to achieve high-level efficacy with a favorable



- Selectively binds the interleukin (IL)-23 receptor and inhibits IL-23 pathway signaling<sup>1</sup>
- Demonstrated significant skin clearance and no safety signals through 1 year in Phase 2 PsO studies<sup>2,3</sup>
- Is being evaluated in Phase 3 studies in adults and adolescents with moderate-to-severe plaque PsO (ICONIC-LEAD)

Inhibits IL-17A, IL-17F, IL-22, and IFNy Production IFN=interferon, IL-12Rβ1=interleukin-12 receptor beta 1, IL-23R=interleukin-23

\*\*.\*\*\*Multiplicity-adjusted P<0.01, P<0.001 vs PBO<sup>g</sup>

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<sup>g</sup>P values were calculated based on Cochran-Mantel-Haenszel chi-square test stratified by age group, baseline weight category (adults only), and geographic region, if applica-

# ICONIC-LEAD study design

### Moderate-to-severe plaque PsO (N=684) Key inclusion criteria

- Plague PsO for ≥26 weeks
- Body surface area (BSA) ≥10%, Psoriasis Area and Severity Index (PASI) score ≥12, and Investigator's Global Assessment (IGA) score ≥3
- Candidate for phototherapy or systemic treatment for plaque PsO

- **Co-primary endpoints:**
- IGA 0/1 at W16 PASI 90 at W16

### **Key secondary endpoints:**

- Clinical outcomes (PASI 75/90/100, IGA 0) at W4, W8, and/or W16
- PROs (≥4-point improvement from baseline in PSSD Itch, PSSD Symptom 0) at W4, W8,
- Scalp PsO (ss-IGA 0/1) at W16

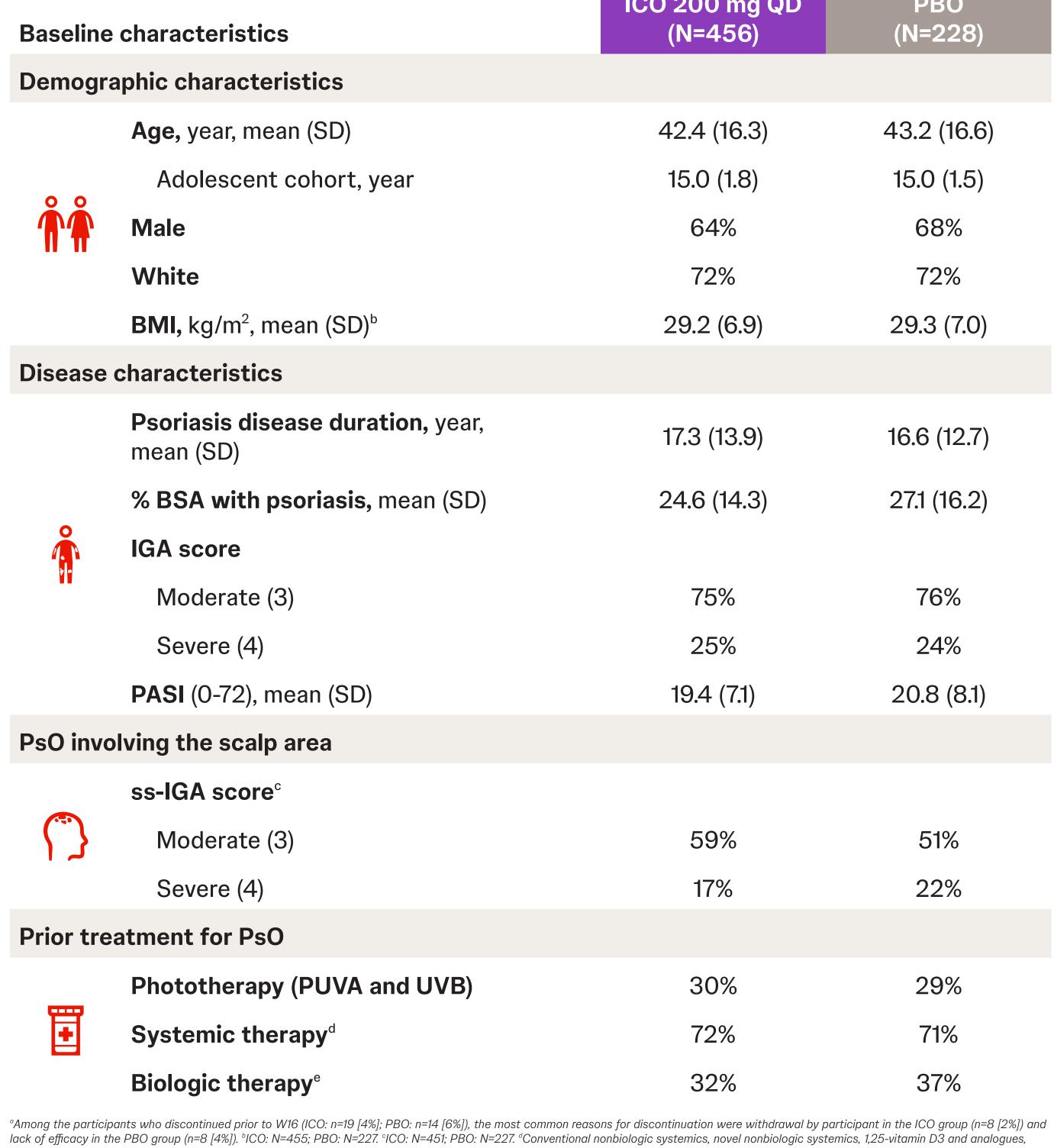
## Objectives

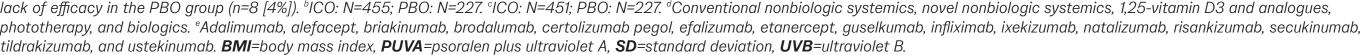
Here we report key clinical and patient-reported outcomes (PROs) and safety-related findings from the pivotal ICONIC-LEAD study through Week (W) 24

### Results

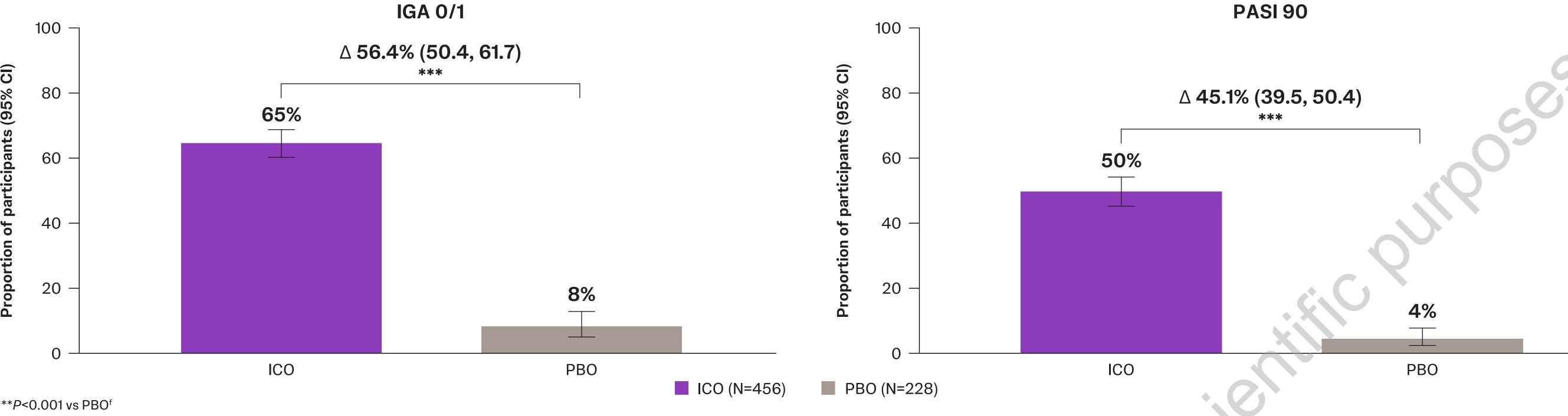
### Baseline characteristics were similar between groups

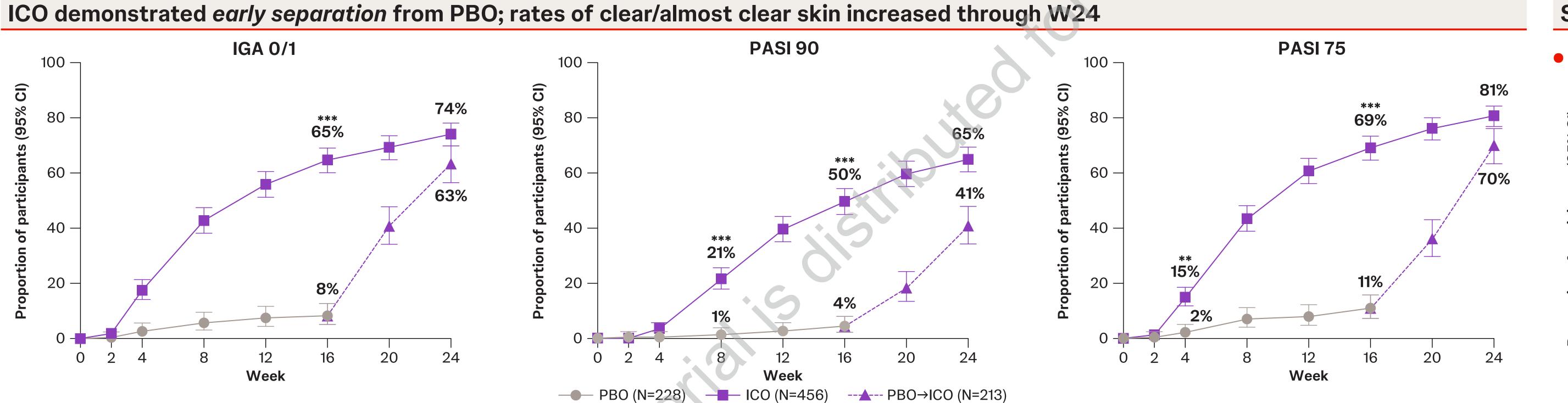
Overall, 5% of participants (ICO: 4%; PBO: 6%) discontinued prior to W16<sup>a</sup>





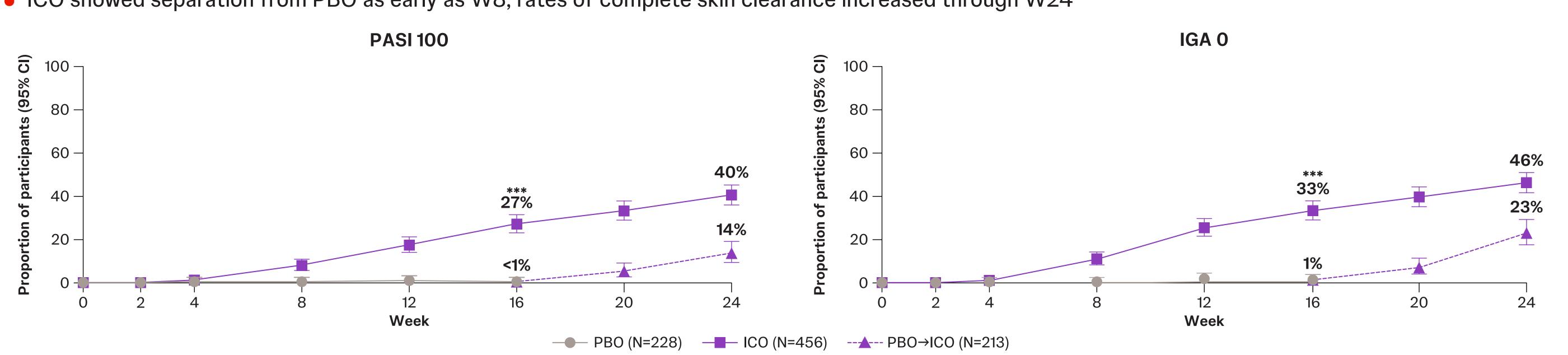






### ICO demonstrated significantly higher rates of complete skin clearance vs PBO

ICO showed separation from PBO as early as W8; rates of complete skin clearance increased through W24



W52-W156

PASI 75 or IGA 0/1 responder

PASI 75 and IGA 0/1 nonresponde

ICO 200 mg QD

ICO 200 mg QD

ICO 200 mg QD

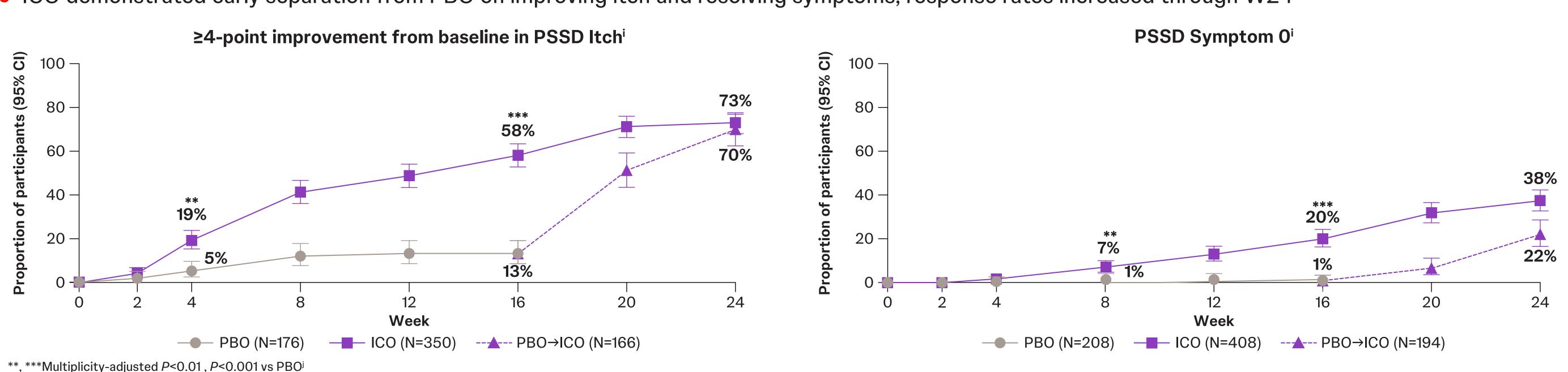
ICO 200 mg QD

Adolescents

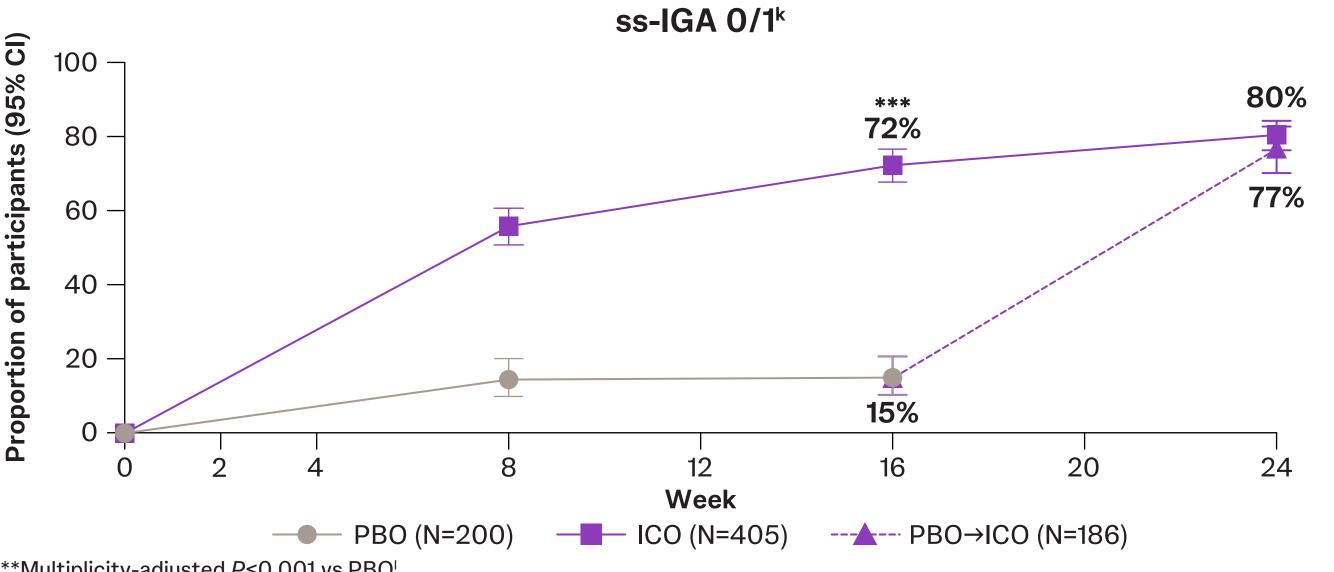
#### Significantly higher proportions of ICO- vs PBO-treated participants reported meaningful improvements in PsO itch

• ICO demonstrated early separation from PBO on improving itch and resolving symptoms; response rates increased through W24

Among participants with a baseline PSSD Itch score ≥4 or PSSD Symptom score >0. P values were calculated based on Cochran-Mantel-Haenszel chi-square test stratified by age group, baseline weight category (adults only), and geographic region, if applicable. Fisher's exact test was used for PSSD Symptom 0 at W8.



#### ICO demonstrated significantly higher rates of clear/almost clear scalp PsO vs PBO



### Adverse event rates were generally similar between groups through W16

 Through W24 of ICO treatment, the most commonly reported AEs were similar to those observed through W16 and no safety signal emerged

	ICO 200 mg QD	PBO	
	(N=456)	(N=228)	
Safety through W16			
Mean weeks of follow-up	15.9	15.8	
Any AE	225 (49%)	112 (49%)	
Most common AEs (≥5%)			
Nasopharyngitis	31 (7%)	15 (7%)	
Upper respiratory tract infection	30 (7%)	16 (7%)	
SAE <sup>m</sup>	6 (1%)	6 (3%)	
Infection	107 (23%)	51 (22%)	
Serious infection	1 (<1%)	О	
AE leading to discontinuation <sup>n</sup>	6 (1%)	1 (<1%)	
Gastrointestinal AE	26 (6%)	13 (6%)	
Active TB	0	0	
Malignancy°	2 (<1%)	0	
"SAEs through W16 included acute cholecystitis, concussion, craniofacial fracture, pelvic fracture, p cancer, pancreatitis, bacterial gastroenteritis (serious infection), arthralgia, and subarachnoid hemore creased in the PBO group; and adenocarcinoma of the colon, prostate cancer, hypertriglyceridemia, reported were adenocarcinoma of the colon (n=1 in a participant who had a history of smoking; the day 7, and severe ileus on day 14 leading up to the diagnosis of grade 3 adenocarcinoma of the colon	rrhage in the ICO group. "AEs leading to discontinuation thro , subarachnoid hemorrhage, erectile dysfunction, and psoria participant reported mild gastroenteritis during screening, o	ough W16 included blood glucose insis in the ICO group. Malignancies and severe colitis starting on study	

family history [brother] of prostate cancer, and an elevated prostate-specific antigen level prior to baseline was diagnosed with grade 1 prostate cancer on study day 48 following a positive biopsy).

**SAE**=serious adverse event, **TB**=tuberculosis.

] Served as a speaker, consultant, and Verrica; and takeda; received honoraria from Arcutis, Dermavant, Eli Lilly, Johnson & Johnson, KoBioLabs, LEO Pharma, Eli Lilly, Pfizer, and Takeda; received honoraria from Arcutis, Dermavant, Bli consultant, and Verrica; and to the medical school from Arcutis, Dermavant, Bli consultant, and Verrica; and served as a speaker, consultant, and Verrica; and to the medical school from Amgen, Arcutis, Dermavant, Eli Lilly, Pfizer, and to the medical school from Amgen, Arcutis, Dermavant, Eli Lilly, Pfizer, and Takeda; received honoraria from Arcutis, Dermavant, Eli Lilly, Johnson, Wortis, Pfizer, and Takeda; received honoraria from Arcutis, Dermavant, Eli Lilly, Johnson, Wortis, Pfizer, and Verrica; and Ve ] and/or speaker for and/or received educational support from AbbVie, Almiral, Amgen, Blook Smith Kline, Hexal, Johnson, Klinge Pharma, Eli Lilly, Ralderma, Howartis, Pascoe, Pfizer, Sanofi, and UCB. AP: served as an advisor for, and/or received speaker's honoraria and/or participated in clinical trials for AbbVie, Almiral, Amgen, Blook Smith Kline, Hexal, Johnson, Klinge Pharma, Eli Lilly, Ralderma, Blook Smith Kline, Hexal, Johnson, Klinge Pharma, Eli Lilly, Ralderma, Eli Lilly, Ralderma, Eli Lilly, Galderma, Eli Lilly, Ralderma, Eli Lilly, Ralderma <text>CD: are employees of Johnson & Johnson & Johnson & Johnson & Johnson & Frizer, Sanofi-Regeneron, and UCB; and is a consultant for Almiral, AltruBio Inc., Forte Biosciences, Celltrion, Cart Inc., Facilitation of Internation of Internation of Inc., Facilitation of Internation of Internation of Internation of Internation of Internation of Inc., Facilitation of Inc., Facilitation of Internation of Internation of Internation of Internation of Inc., Facilitation of Internation of Internation of Inc., Facilitation of Internation of Internation of Inc., Facilitation of Inc., Facilitation of Internation of Internation of Internation of Inc., Facilitation of Internation of Internation of Inc., Facilitation of Internation of Int