

Dupilumab-treated patients with prurigo nodularis report disease control and treatment satisfaction: 6-month results from the RELIEVE-PN study

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Prurigo nodularis

Conclusions

- The results from this real-world RELIEVE-PN study demonstrate improvements in patient reported disease control, reduction in concomitant medication use, and treatment satisfaction in dupilumab treated patients with PN as early as 1 month and further maintained 6 months post treatment.

Objective

- To evaluate improvements in disease control, concomitant medication use, and treatment satisfaction among the dupilumab-treated adult patients with PN in the US from a real-world setting

Methods

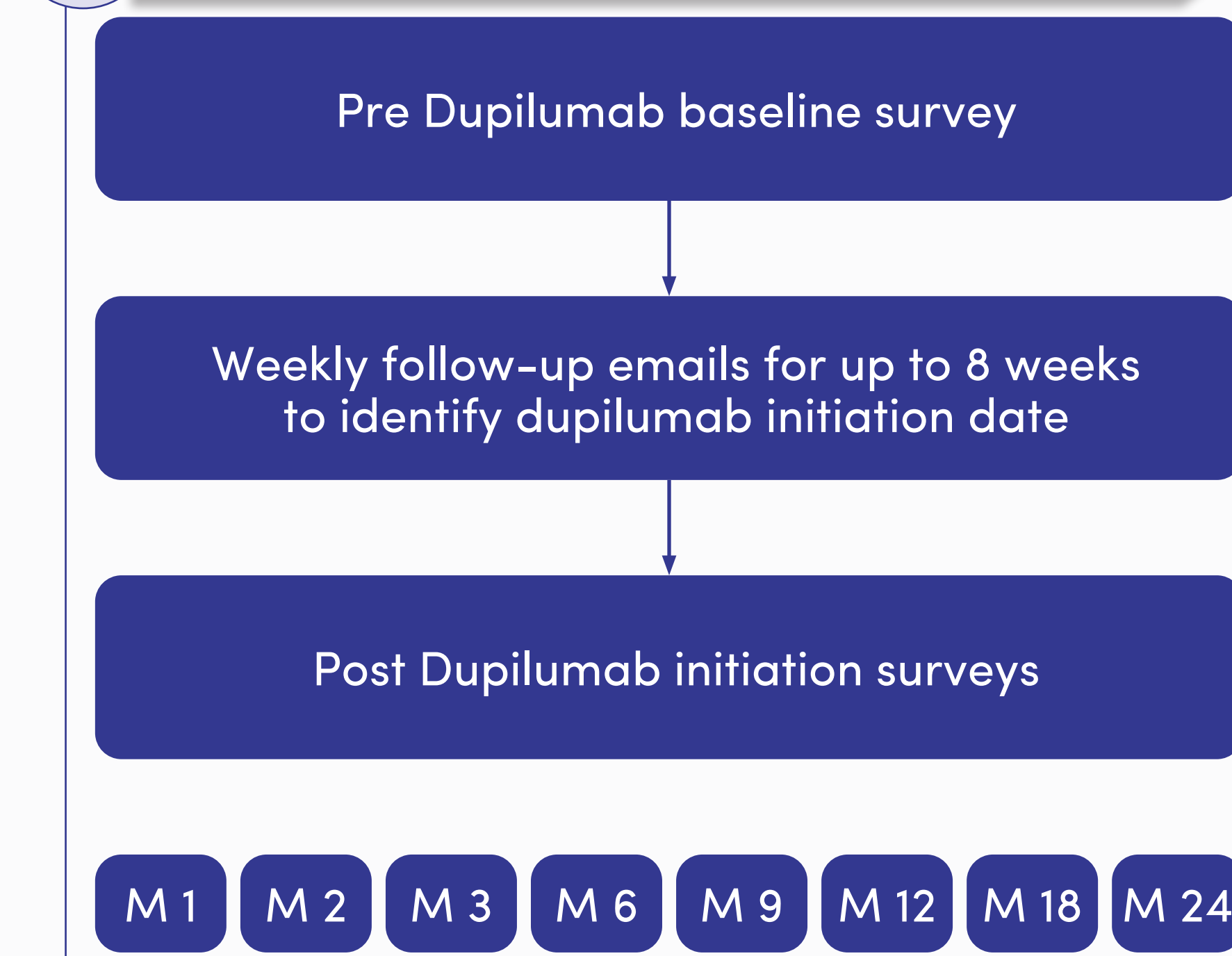
- RELIEVE-PN (eaRly rEal-world patIent EVAluation for DupixEnt in Prurigo Nodularis) is an ongoing, longitudinal, prospective real-world patient survey study that was initiated to demonstrate the real-world effectiveness of dupilumab for treatment of PN.

RELIEVE-PN study design

Study design and population

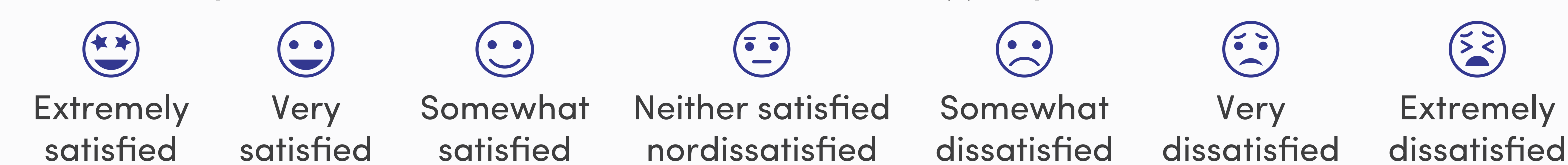
- Pre-post longitudinal, prospective survey study
- Inclusion criteria
 - Adult patients with PN enrolled into the dupilumab patient support program
 - Provided informed consent
 - Completed baseline survey*
 - Initiated dupilumab
- Exclusion criteria
 - Have used dupilumab before baseline
 - Enrolled in clinical trials over past 6 months
 - Not initiating dupilumab within 8 weeks post the baseline survey

Data collection time points



Study outcomes

- Disease control: PCT; 14 days recall period; range: 0 to 20; scores ≥ 10 indicate controlled chronic prurigo
- Patient-reported concomitant medication use in the past 4 weeks
- Patient-reported satisfaction with the current treatment(s): 7-point Likert scale



Statistical analysis

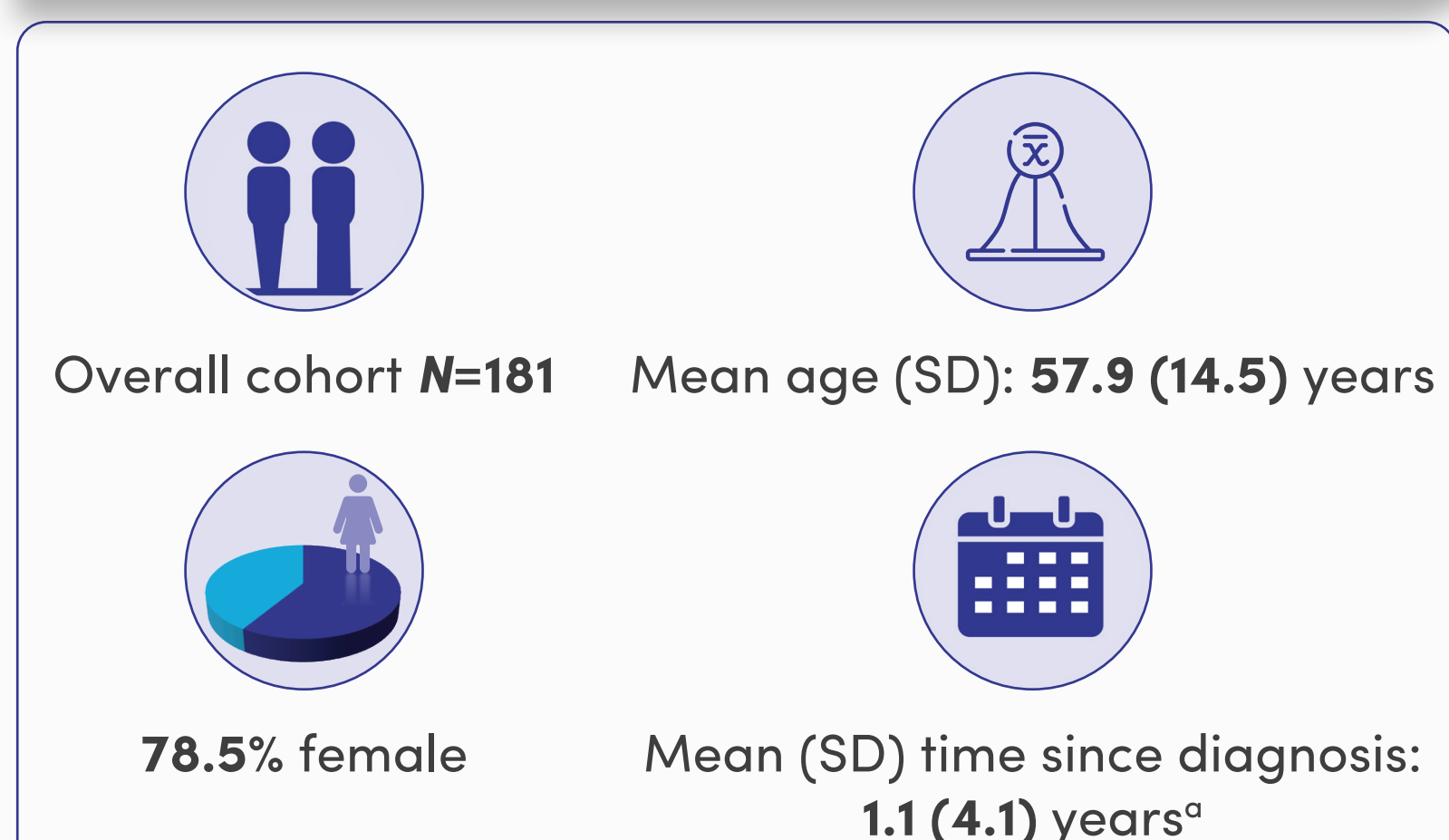
- Descriptive analyses were conducted to summarize the study outcomes.
- Continuous variables were summarized with means and SDs, while categorical variables were summarized as frequencies and percentages.
- The mean scores for the outcomes were compared to baseline values using t-tests and categorical outcomes were compared using Chi-Square/Fisher's Exact test.
- A subgroup analysis was conducted on patients who indicated they continued taking dupilumab at the time of each follow-up survey.

*The baseline survey collected data on socio-demographic characteristics, disease characteristics, medical history, PN sign/symptoms, prior treatment history and experiences, psychological wellbeing, health-related quality of life, employment status, treatment satisfaction, and patient global assessments. PCT, prurigo control tool; PN, prurigo nodularis; SD, standard deviation.

RESULTS

- Of the 181 patients who completed the baseline survey and initiated dupilumab, 156, 130, and 85 patients completed the month 1, 3, and 6 surveys, respectively.
- At month 1, 3 and 6, 149, 125 and 67 patients, respectively, remained on dupilumab treatment.
- The most commonly reported reasons for stopping dupilumab therapy were: experienced side effects, dupilumab did not seem to work, my doctor told me to stop taking it, worried about potential side effects, and issue with health insurance coverage.

Demographic and medical history at baseline



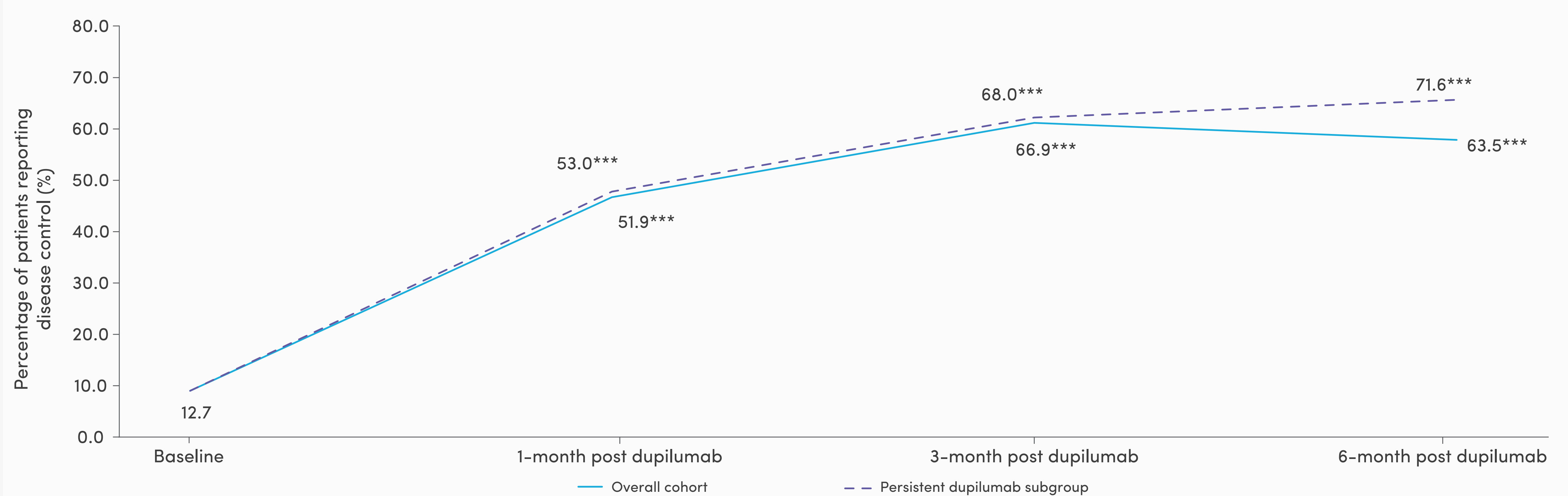
*Calculated among 156 initiators that remembered when they were diagnosed of prurigo nodularis.

Background

- Dupilumab, a fully human VelocImmune[®]-derived monoclonal antibody, is the first approved treatment in the United States (US) for patients aged ≥ 18 years with prurigo nodularis (PN).¹
- Dupilumab demonstrated a significant improvement in multiple symptom measures (including itch and skin pain) in the pivotal phase 3 clinical trials—LIBERTY PN-PRIME (NCT04183335) and PRIME2 (NCT04202679).² However, the effectiveness of dupilumab in the real-world settings has not yet been well established.

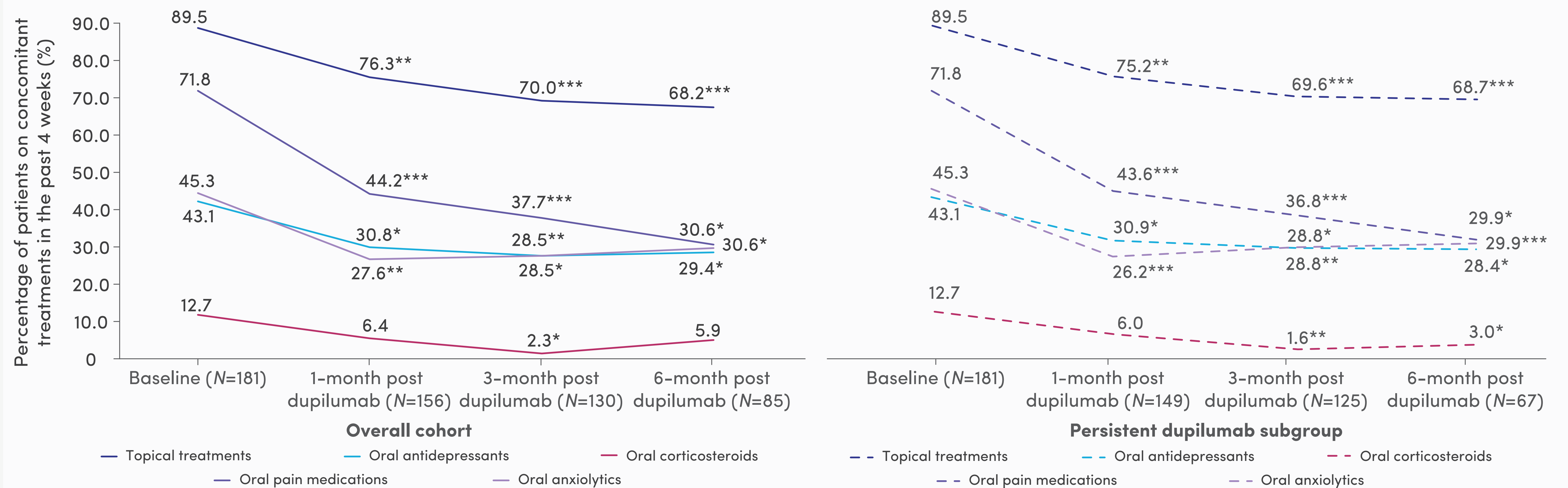
Real-world effectiveness of dupilumab

A significantly greater proportion of patients had well-controlled chronic prurigo at months 1, 3 and 6 after dupilumab initiation compared with baseline ($p < 0.001$) in both overall cohort and in the persistent dupilumab subgroup.



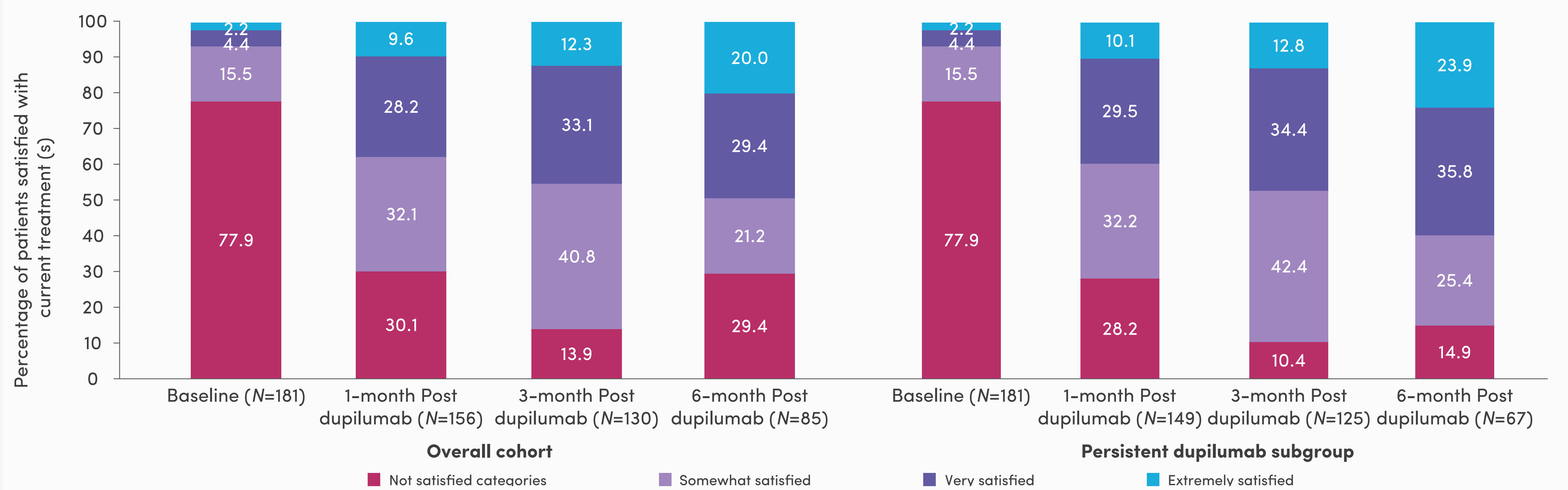
*** $p < 0.001$.

In both overall cohort and the persistent dupilumab subgroup, the proportion of patients on concomitant treatments in the past 4 weeks decreased over time after dupilumab initiation.



* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$. N represents the size of the population.

A significantly greater number of patients were satisfied with their current treatment(s) at months 1, 3 and 6 after dupilumab initiation compared with baseline ($p < 0.001$), both in overall cohort and in the persistent dupilumab subgroup.



$p < 0.001$. Not satisfied categories: "Neither satisfied nor dissatisfied," "Somewhat dissatisfied," "Very dissatisfied," and "Extremely dissatisfied." N represents the size of the population.

References

- Dupilumab – Product Information. https://www.accessdata.fda.gov/drugsatfda_docs/label/2022/761055s044lbl.pdf. Accessed Sep 11, 2025.
- Yosipovitch G, et al. *Nat Med*. 2023;29(5):1180–1190.

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Disclosures

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