Budget impact analysis of biologic drugs according to persistence in the treatment of psoriasis and psoriatic arthritis in the Balearic slands

<u>G. González-Morcillo¹, J. García-Calvo², A. García-Álvarez¹,</u> V. Carillo-López², M. Pieras-Figuerola¹ and M. Zaforteza-Dezcallar¹

¹ Servei de Salut dels Illes Balears, Palma de Mallorca, Balears, Spain ² Hospital Universitari Son Espases, Palma de Mallorca, PM, Spain













From the first to the last dispensation plus the interval to the next administration

Kaplan-Meier survival analysis compared 36-month persistence rates among different targets.

Psoriasis and psoriatic arthritis (PsA) are chronic inflammatory conditions treated with biologics such as TNF- α inhibitors, IL-12/23, IL-17, and IL-23. Spanish National Health System prioritizes anti-**TNF** drugs over interleukins.

To assess the budget impact of

biologic medications on biologicnaïve patients with moderate-tosevere psoriasis or PsA in the Balearic Islands from the perspective of the Spanish National Health Service (SNS).

Retrospective study

6 public hospitals in the Balearic Islands From January 2018 to December 2023

Recorded variables

Age, sex and diagnosis

Inclusion criteria

Patients aged 18+ Moderate-severe psoriasis and/or PsA Naïve to biologicals (least 4 months of treatment)

Budget impact calculation

At 3 years

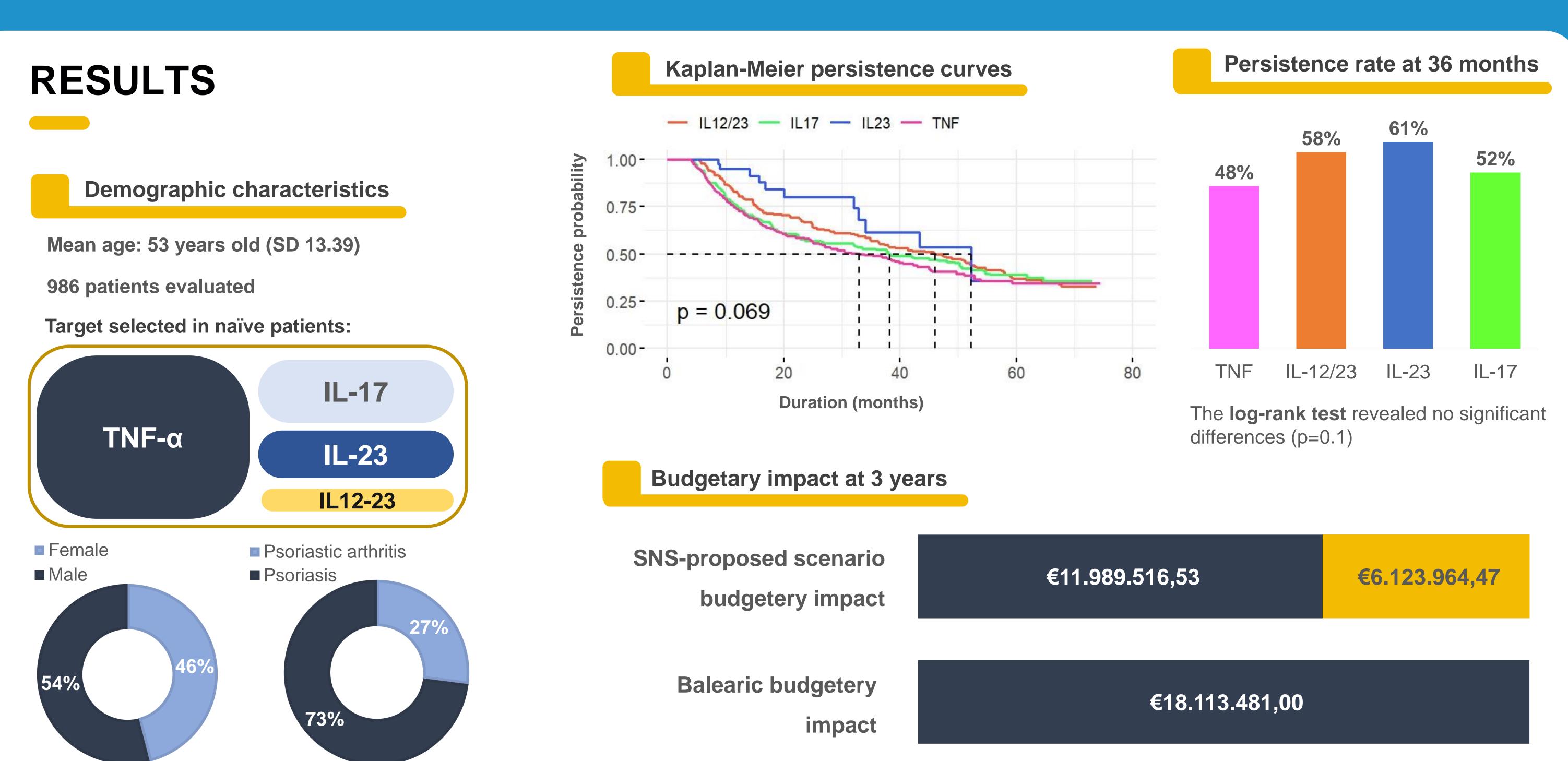
Treatment persistence and potential second-line treatment

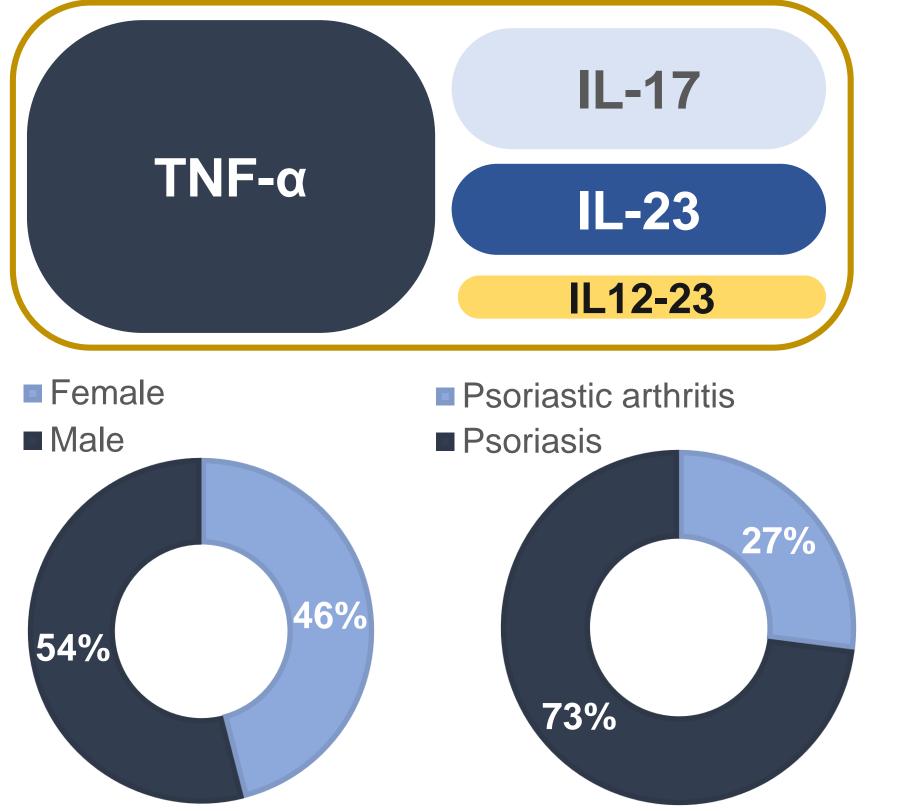
Comparison of real prescription against SNS prioritization

Annual cost calculation: Average number of pharmaceutical forms dispensed + treatment duration + purchase costs as of May-2024

Statistical analysis

R software





CONCLUSIONS

The study highlights that, with no statistically significant differences in persistence, the best therapeutic strategy is to prioritize the use of **TNF-\alpha inhibitors** as proposed by the SNS.

REFERENCES

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CONTACT INFORMATION

ggonzalezmorcillo@gmail.com