

# WHICH BIOMARKERS IN ATOPIC DERMATITIS (AD) CAN BE USED IN REAL LIFE?

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## RATIONALE

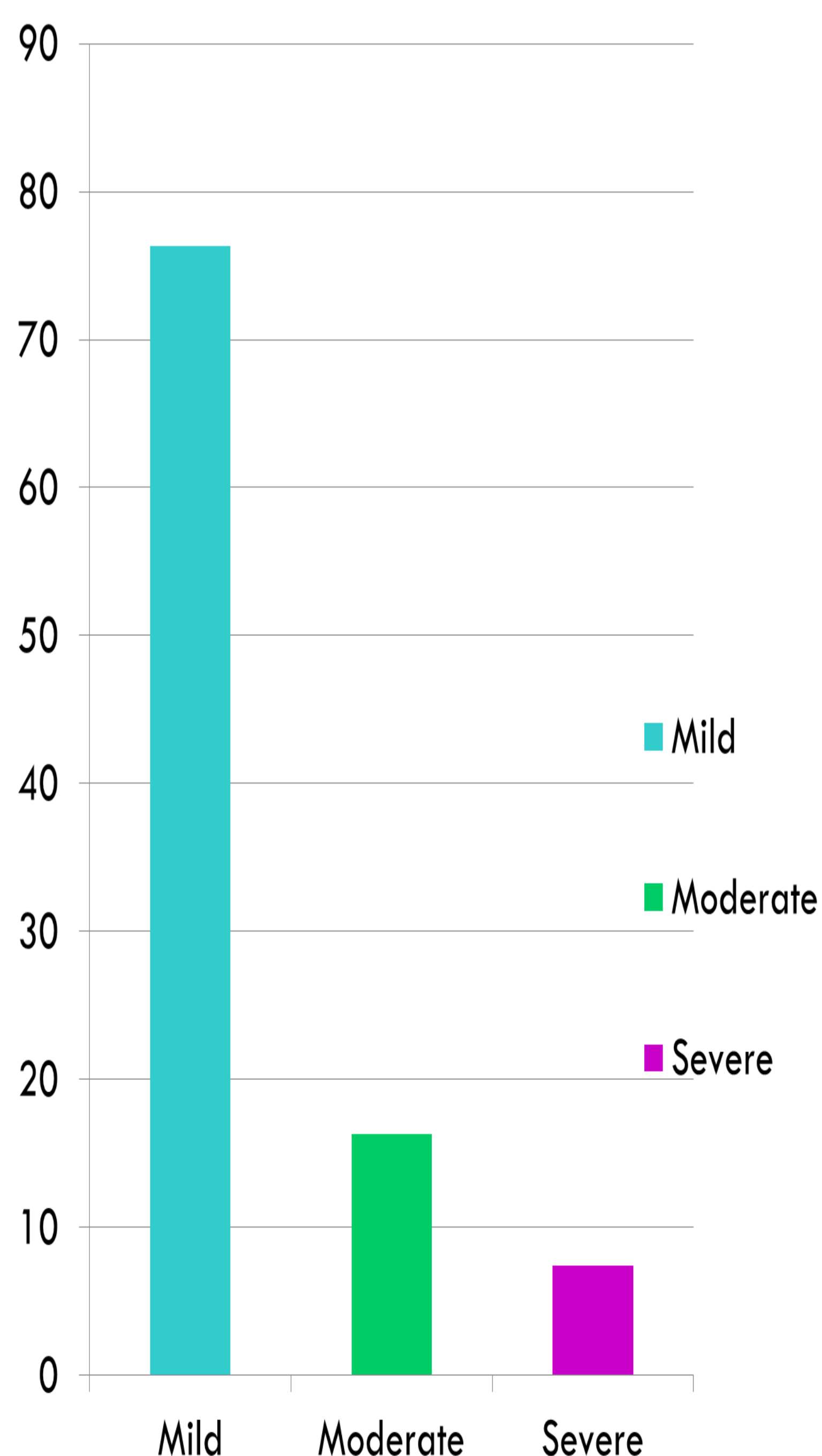
- Allergic sensitization and multimorbidity may be considered predictors of the severity and persistence of AD.
- The aim of the present study was to evaluate the clinical profile and allergic sensitization of AD patients and find possible biomarkers that help in their management.

## METHODS

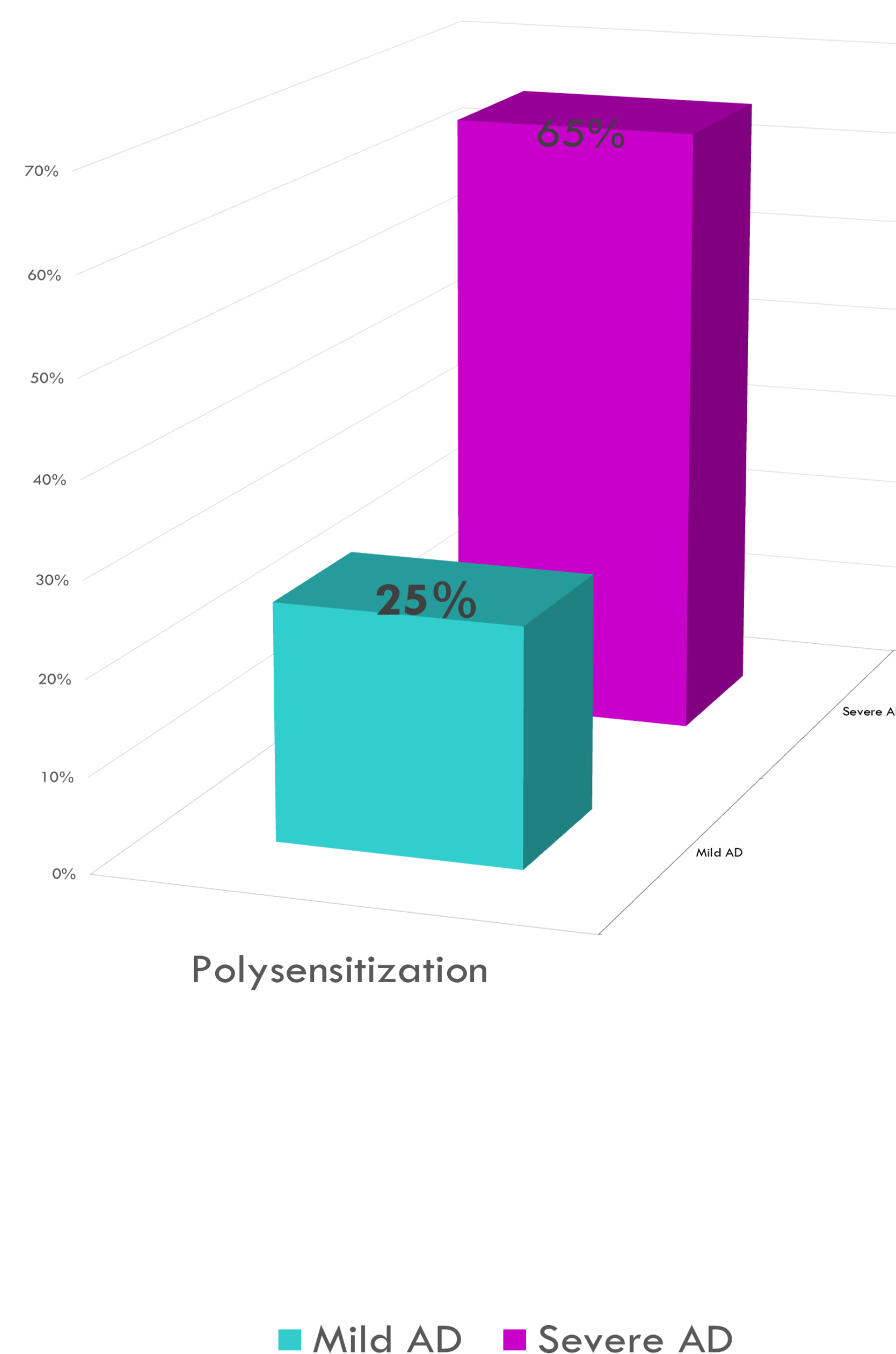
- Cross-sectional study with retrospective analysis of the medical charts's AD patients under follow-up at referral center during last semester 2018.

## RESULTS

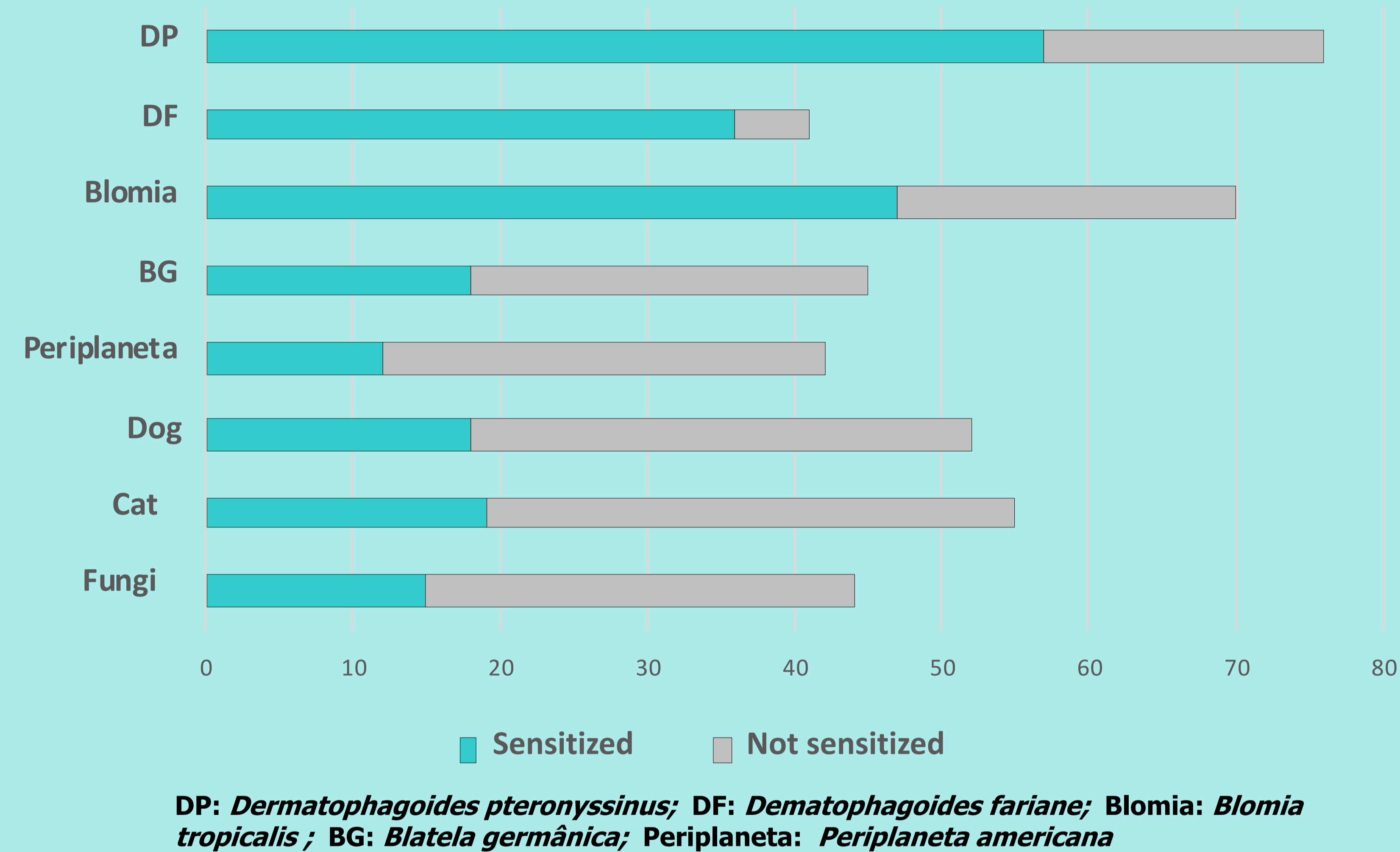
### SCORAD Classification



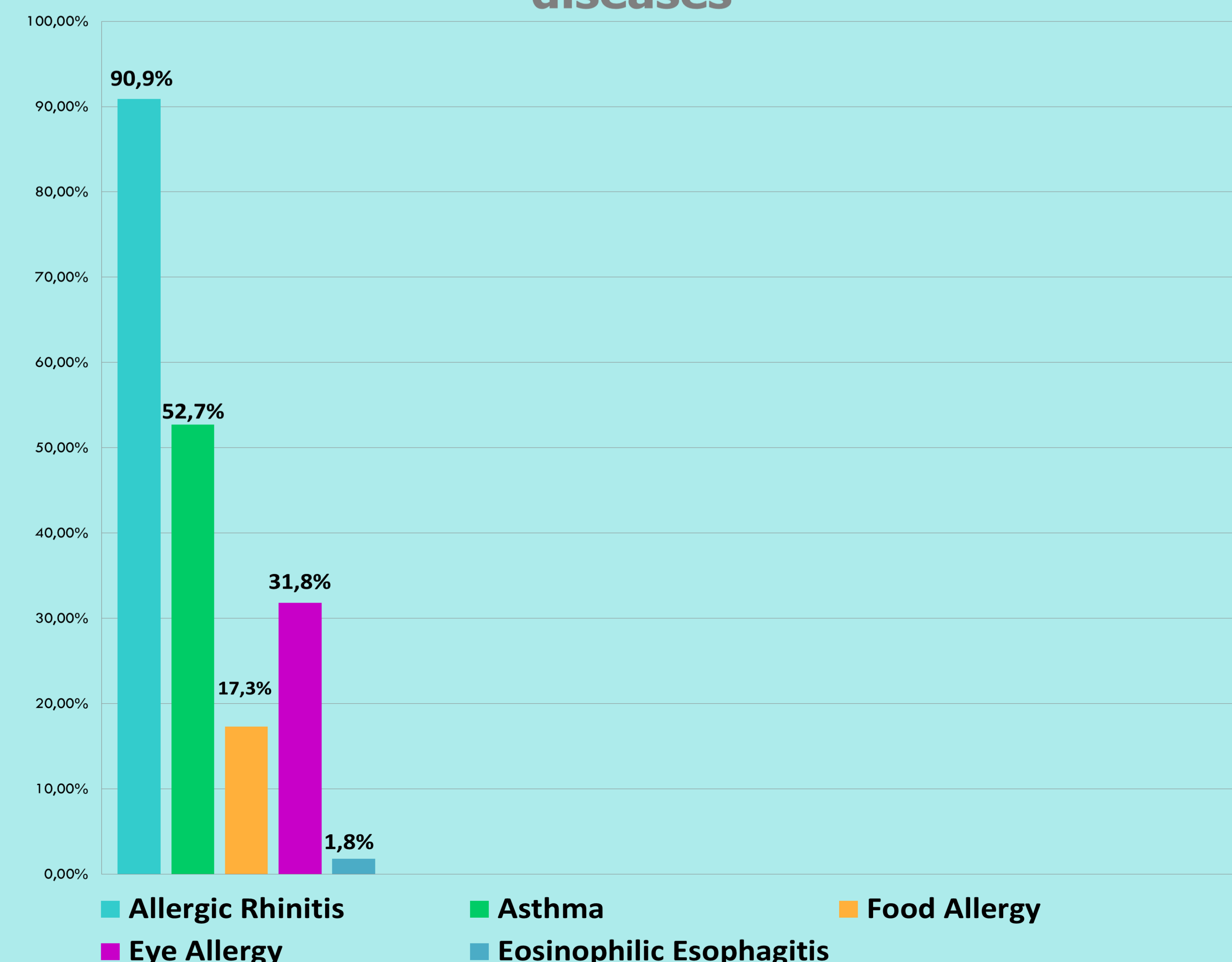
### Profile of sensitization to inhalator allergens (IA) in severity-stratified AD



### Profile of sensitization to inhalatory allergens in patients with AD



### Concomitance with other allergic diseases



## CONCLUSIONS

- Our study revealed that patients with severe AD had a higher frequency of polysensitization than patients with mild AD.
- The number of eosinophils was a predictor of severity in this sample. The presence of multimorbidity is remarkable, especially regarding respiratory diseases.
- The same correlation, however, was not found between total IgE values and AD classification

## EXTRA

- Data from 110 patients were analyzed (male=63.6%) with the mean age of 10.4 years.

## REFERENCES

- Weidinger S, Novak N. Atopic dermatitis. Lancet. 2016;387(10023):1109–22.
- Antunes AA, Solé D, Carvalho VO, Bau AEK, Kuschnir FC, Mallozi MC, et al. Guia prático de atualização em dermatite atópica - Parte I: etiopatogenia, clínica e diagnóstico. Posicionamento conjunto da Associação Brasileira de Alergia e Imunologia e da Sociedade Brasileira de Pediatria. Arq Asma, Alerg e Imunol [Internet]. 2017;1(2):131–56.
- Williams H, Stewart A, von Mutius E, Cookson W, Anderson HR. Is eczema really on the increase worldwide? J Allergy Clin Immunol. 2008;121(4).