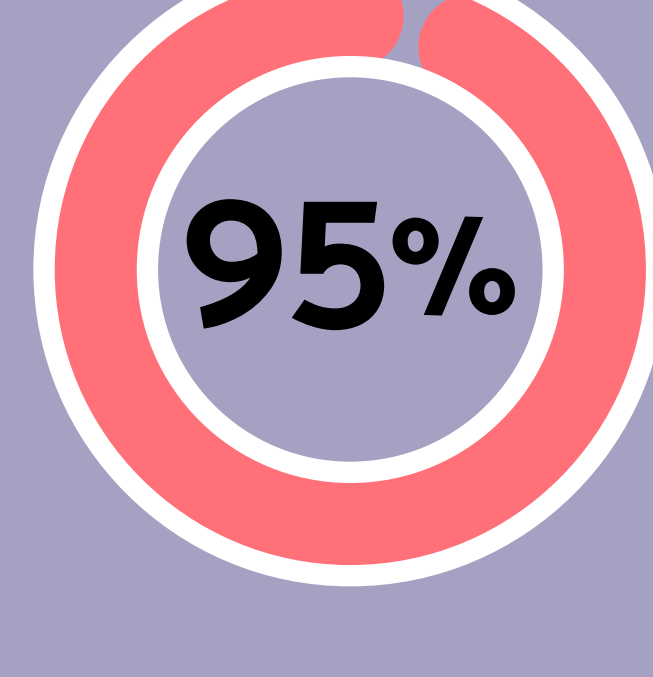


CLINICAL TRIALS FOR RARE DISEASES IN SPAIN 2022*

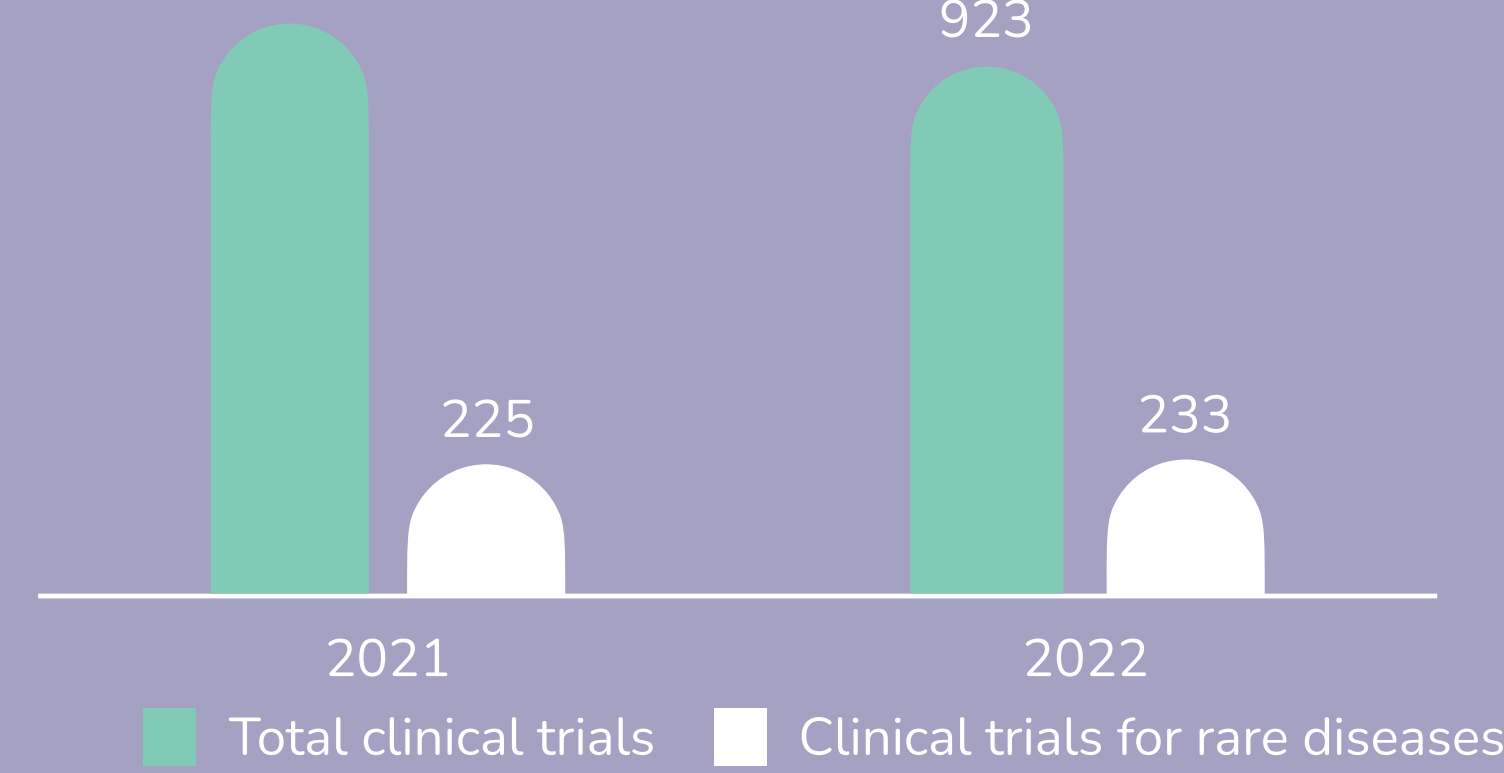
aelmhu
asociación española de laboratorios de
medicamentos huérfanos y ultrahuerfanos

Clinical trials are **research mechanisms used to determine the safety and efficacy of medicines**

Currently, 95% of rare diseases **have no diagnostic tool or treatment**



No. of clinical trials (2021-2022)

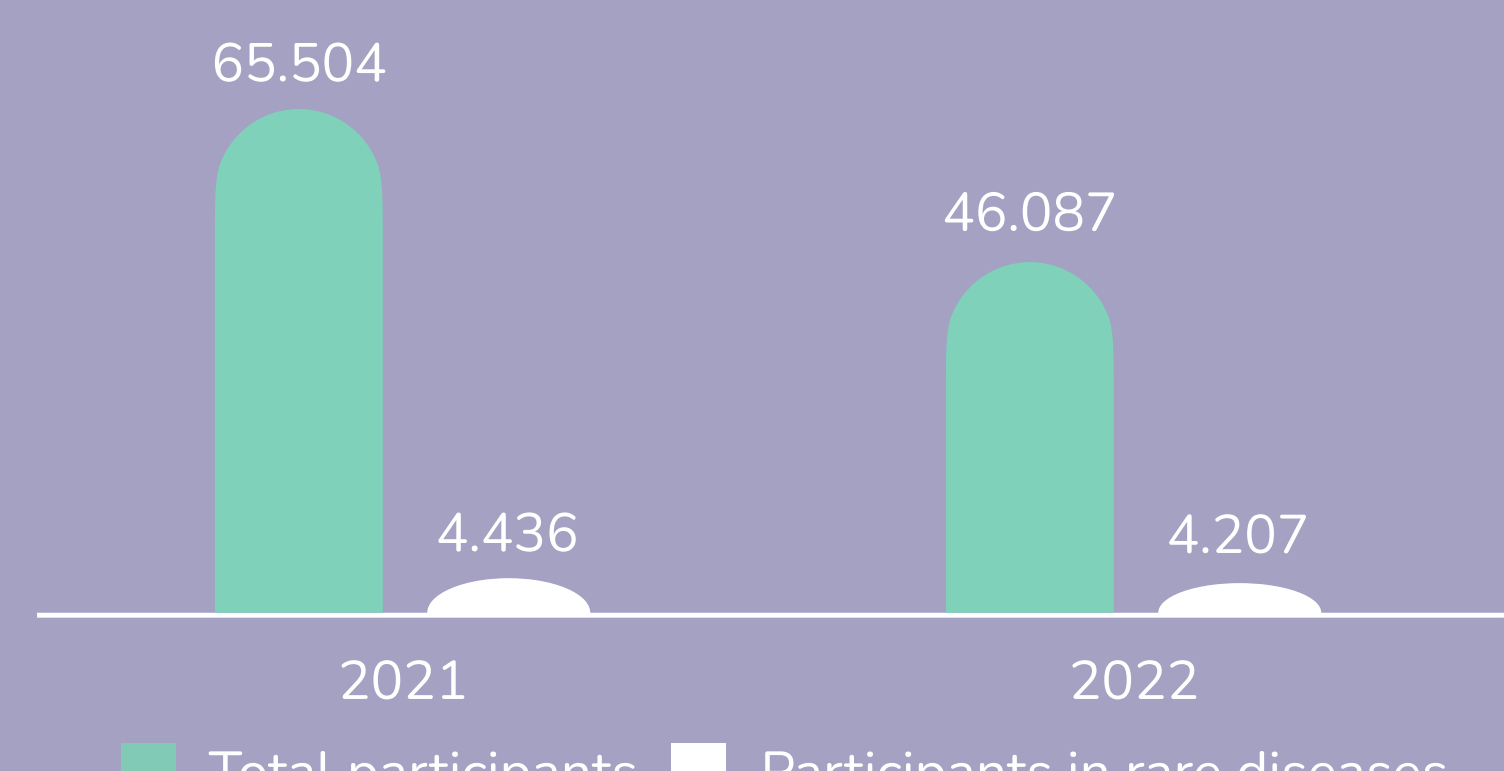


25% of clinical trials authorised in Spain in 2022 are **studying treatments for rare diseases**



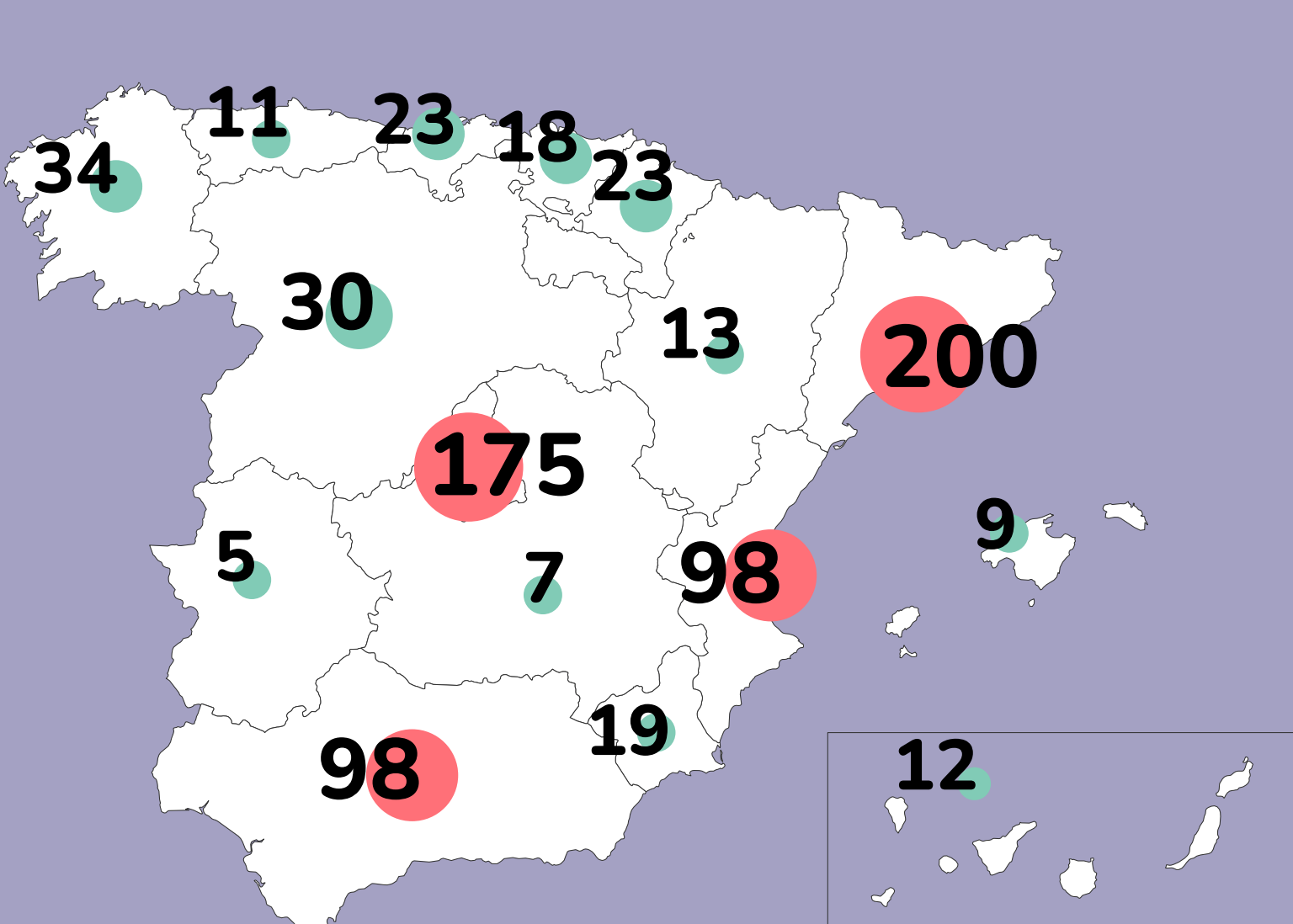
No. of clinical trials for rare diseases has **increased** since 2021

No. of participants in clinical trials (2021-2022)



No. of participants in clinical trials for rare diseases **has decreased** since 2021

AUTHORISED CLINICAL TRIALS FOR RARE DISEASES BY REGION AND CENTER IN 2022**



Catalonia, the Community of Madrid, Valencian Community and Andalusia are the regions with highest participation in clinical trials for rare diseases

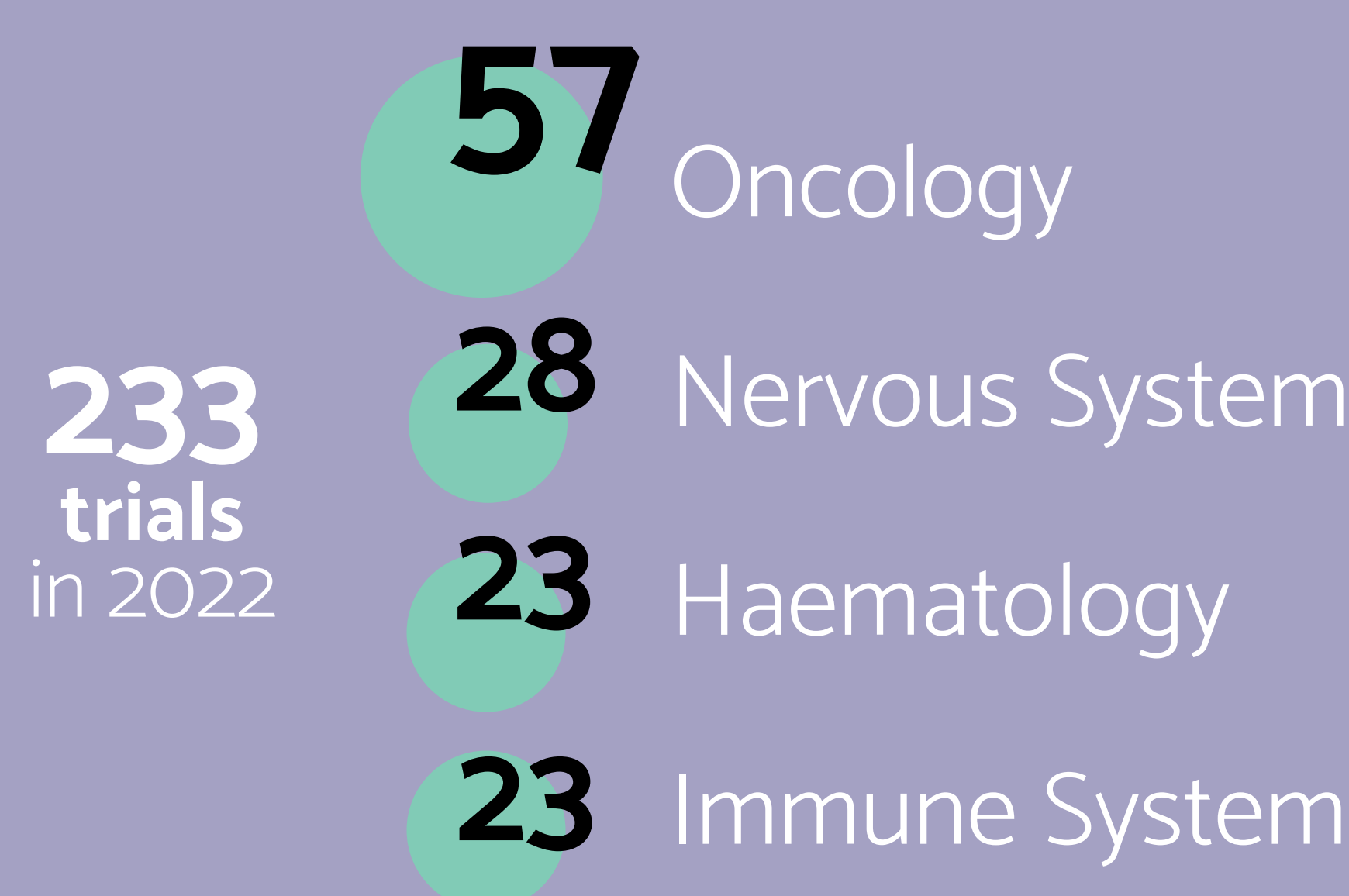
164 centres hosted clinical trials for rare diseases:

39 in the Community of Madrid, 37 in Catalonia and 22 in Andalusia

Hospitals with the highest no. of clinical trials on rare diseases

- 101** Vall d'Hebron University Hospital (Barcelona)
- 70** La Fe University and Polytechnic Hospital (Valencia)
- 66** Clínic Hospital (Barcelona)

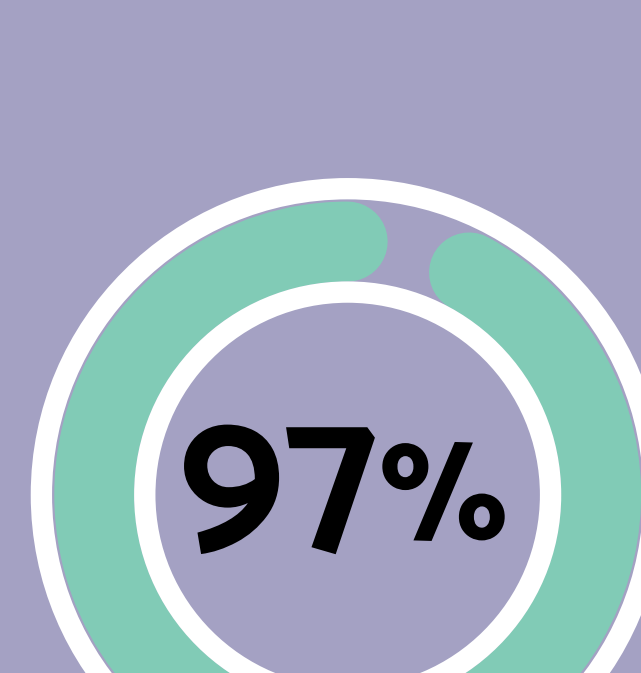
CLINICAL TRIALS FOR RARE DISEASES BY THERAPEUTIC AREA



The research area on rare diseases with the fastest growth has been **genetic phenomena**, increasing from 2 trials in 2021 to 10 trials in 2022

PROMOTERS OF CLINICAL TRIALS IN SPAIN

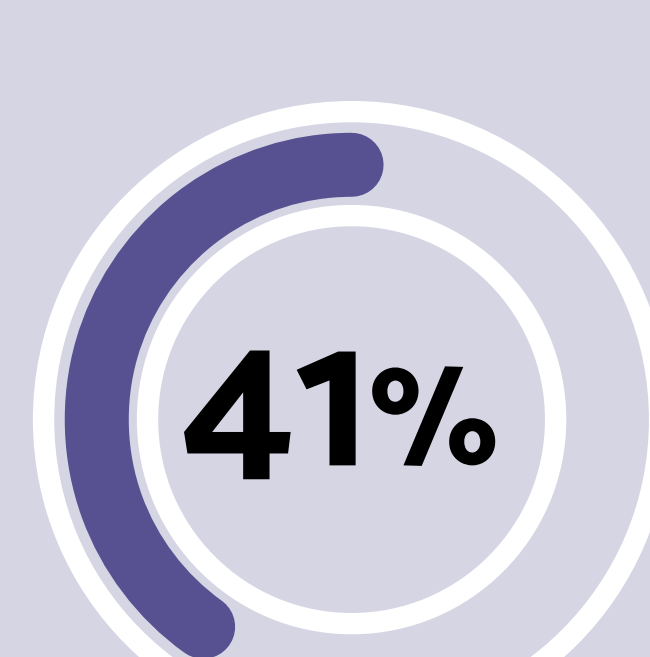
226 out of 233 authorised trials in Spain in 2022 for rare diseases, were driven by commercial promoters



Clinical trials in rare diseases by commercial promoters

CLINICAL TRIALS FOR RARE DISEASES IN SPAIN 2018-2022

996 clinical trials for rare diseases

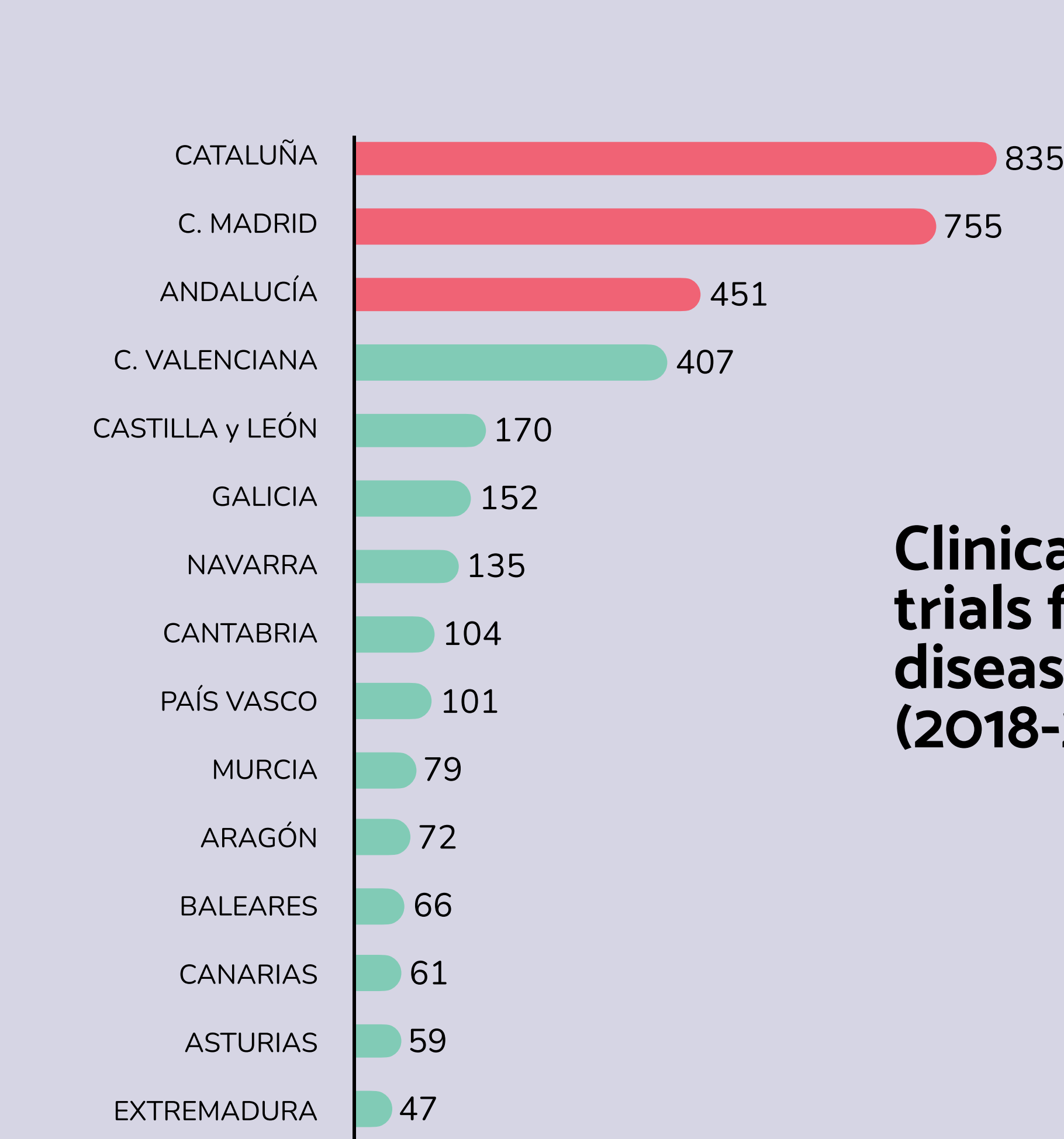


between 2018-2022

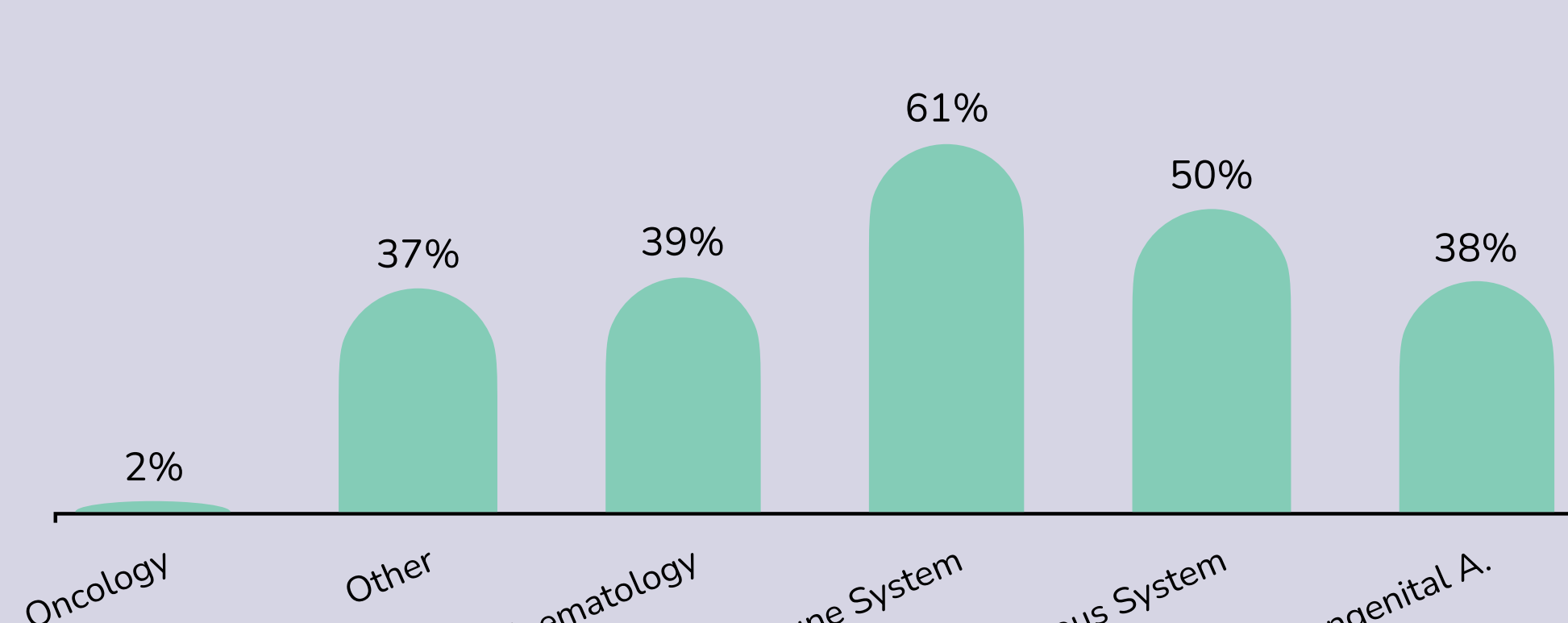
20.086 participants



between 2018-2022



Clinical trials for rare diseases by region (2018-2022)

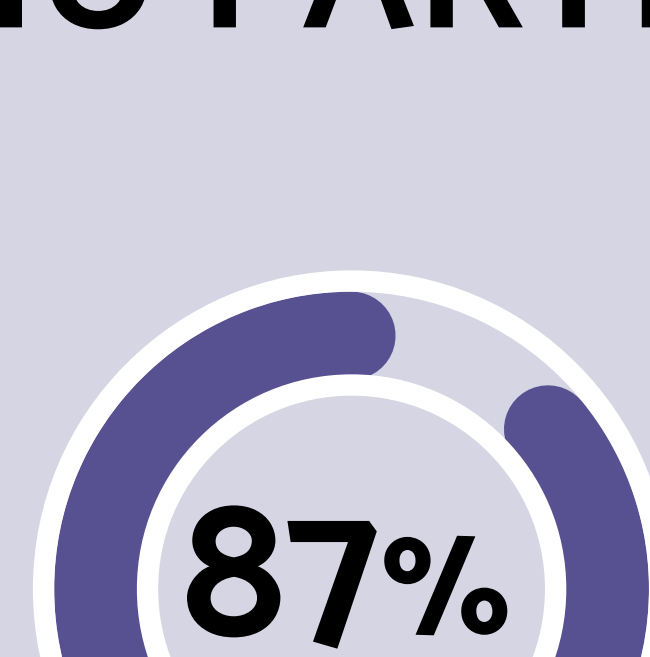


Percentage of variation by therapeutic areas (2018 vs. 2022)

The research areas on rare diseases with the **highest growth** between 2018 and 2022 have been **immune system and nervous system diseases** (61% and 50% growth respectively)

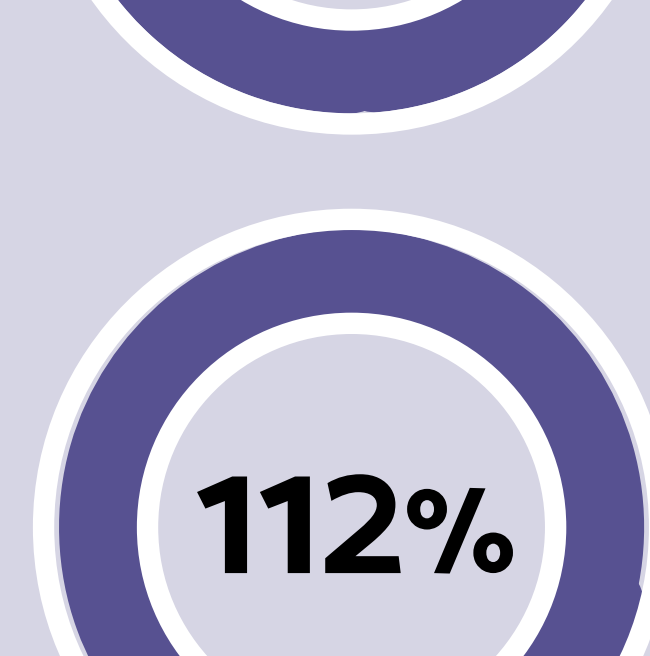
CLINICAL TRIALS FOR RARE DISEASES BY AELMHU PARTNERS 2018-2022

186 clinical trials for rare diseases



between 2018-2022

2.457 participants



between 2018-2022

*Clinical trials authorized during 2022 Source [Registro Español de Estudios Clínicos \(REEC AEEMPS\)](#) Information analysed by BioInnova Consulting

**Most of analyzed trials have been multicenter clinical trials. Each individual trial has been counted in several regions