

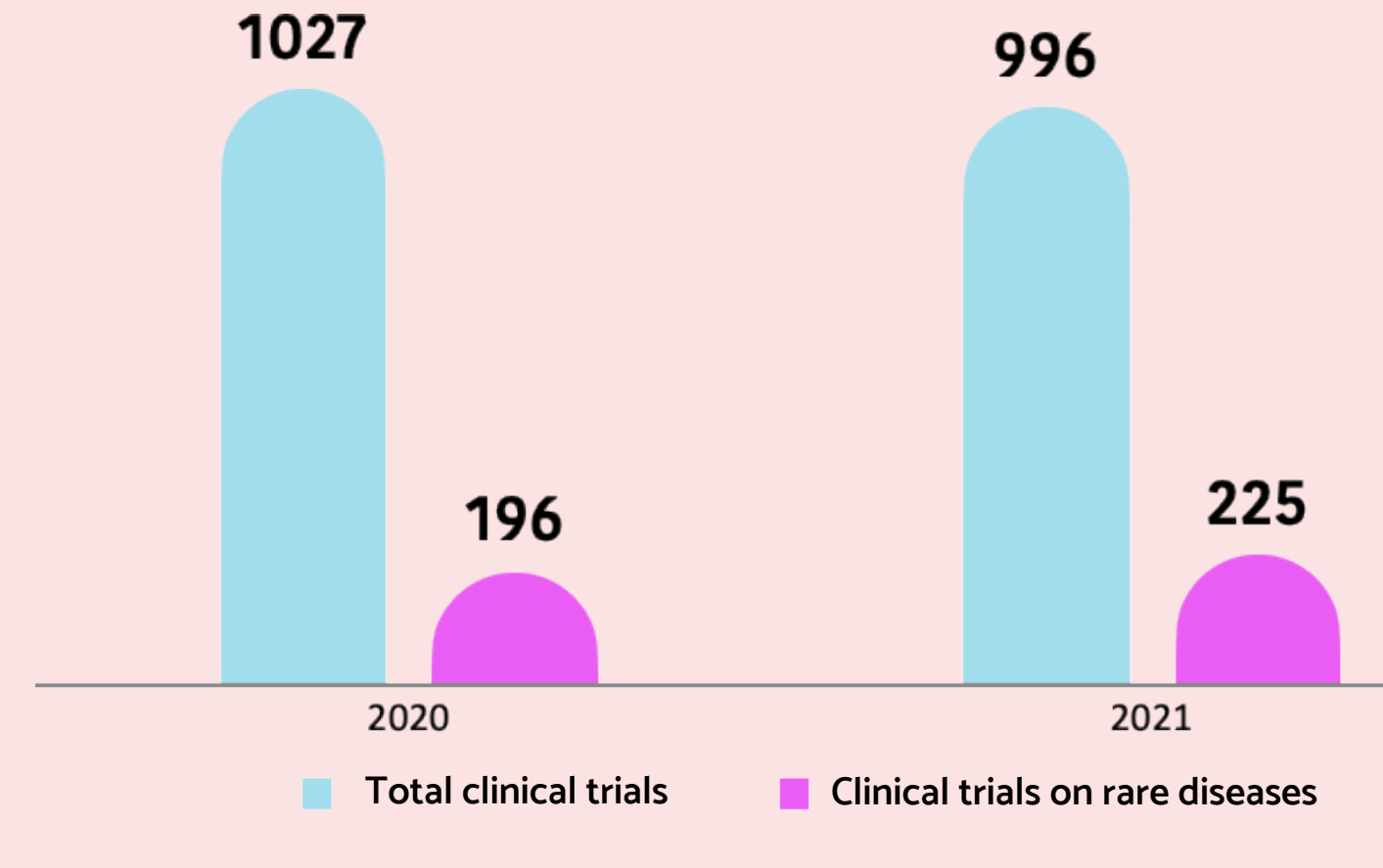
# CLINICAL TRIALS ON RARE DISEASES IN SPAIN 2021\*

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.

95%

## No. of clinical trials (2020-2021)



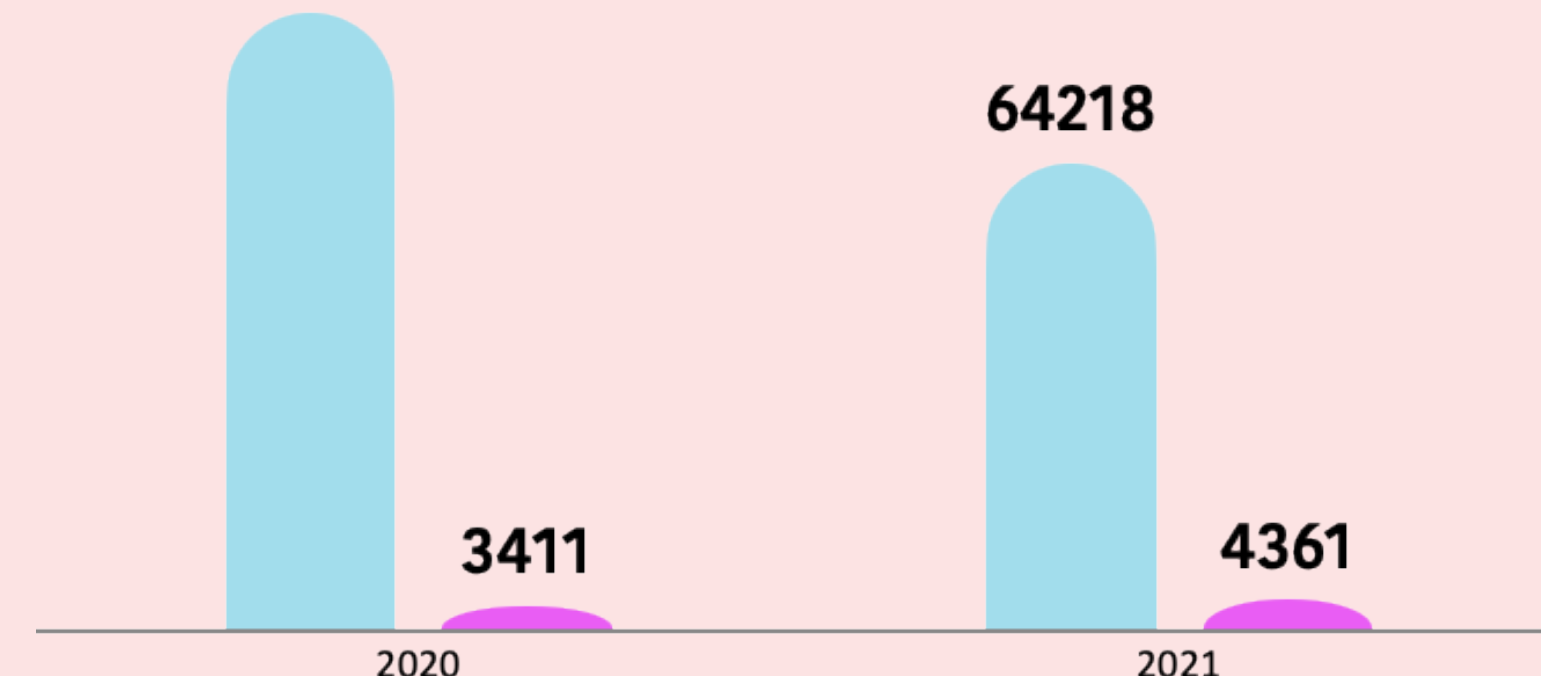
23%

23% of clinical trials authorized in Spain in 2021 are studying treatments for rare diseases

15%

No. of clinical trials on rare diseases has grown since 2020

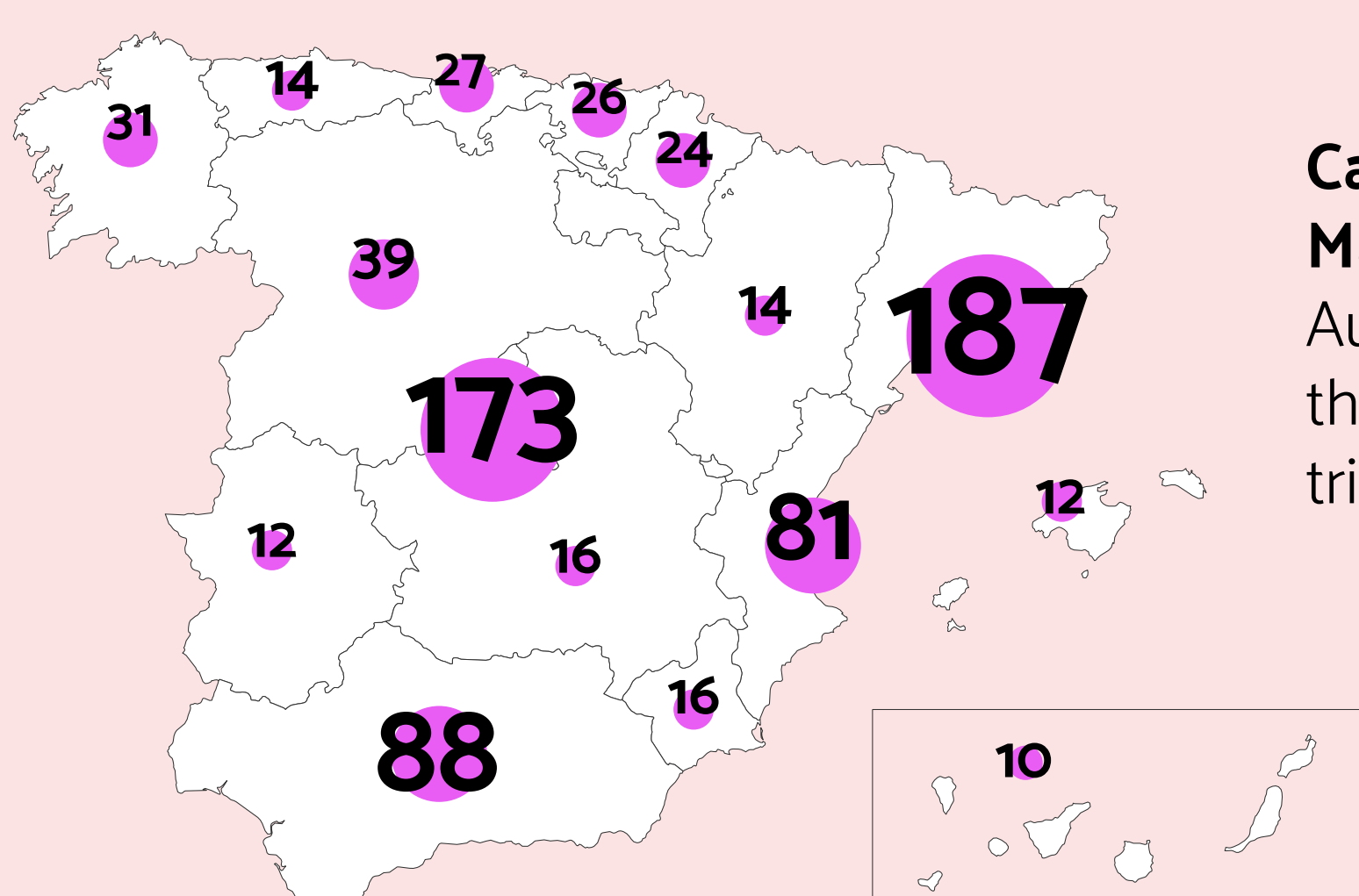
## No. of patients in clinical trials (2020-2021)



28%

No. of rare disease patients has increased since 2020

## AUTHORIZED CLINICAL TRIALS ON RARE DISEASES BY AUTONOMOUS COMMUNITY IN 2021\*\*



Catalonia, the Community of Madrid and Andalusia are the Autonomous Communities with the highest participation in clinical trials on rare diseases

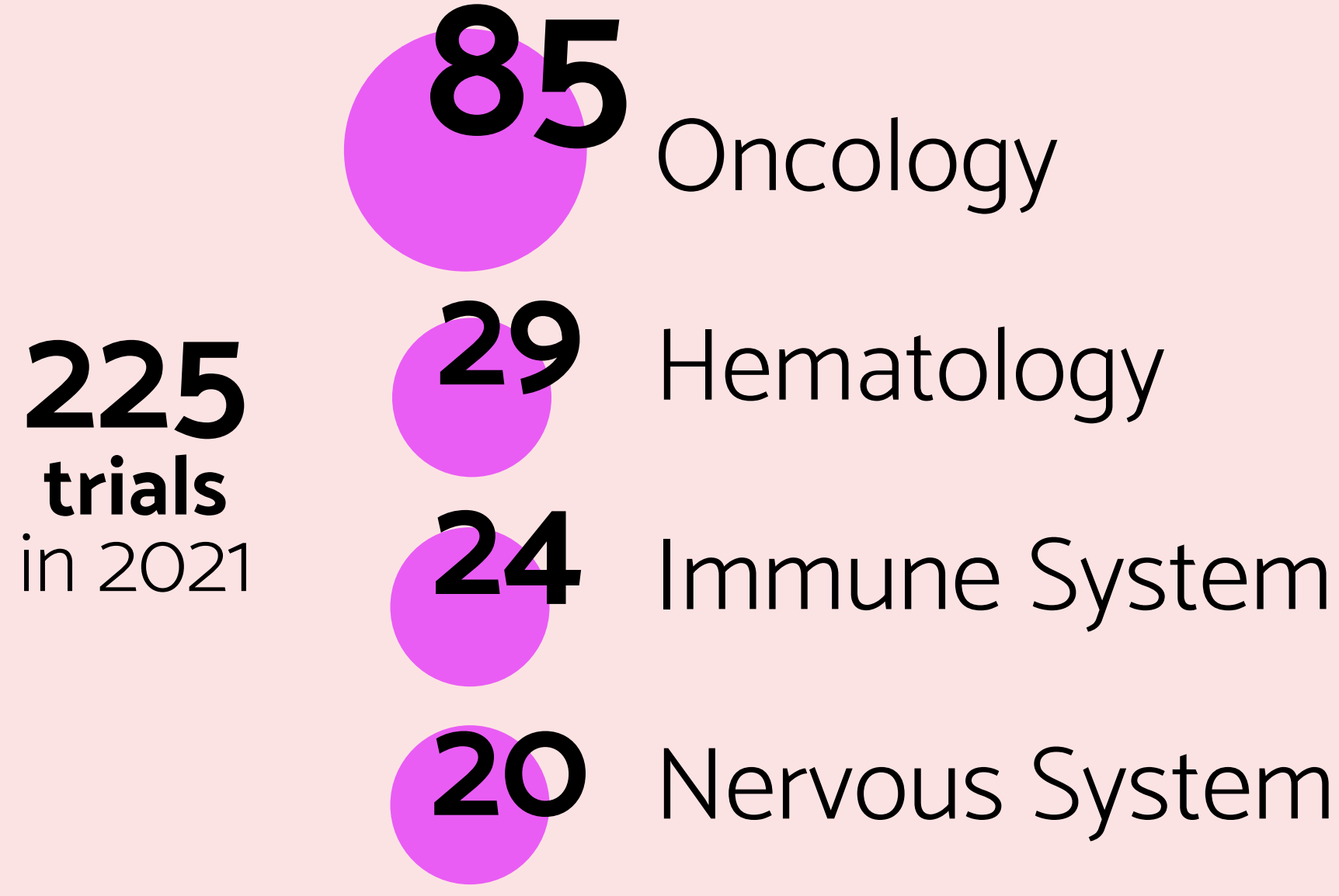
148 different centres hosted the 225 authorized trials.

Catalonia (30 centres), Community of Madrid (25 centres) and Andalusia (17 centres) accounted for 49% of the participating centres.

Hospitals with the highest No. of clinical trials

- 115 Vall D'Hebron University Hospital (Barcelona)
- 74 12 de Octubre University Hospital (Madrid)
- 54 La Fe University and Polytechnic Hospital (Valencia)

## CLINICAL TRIALS ON RARE DISEASES BY THERAPEUTIC AREA



Oncology has been the leading therapeutic area, with 85 trials (38% of the total) followed by hematology, with 29 trials (13%).

## CLINICAL TRIALS ON RARE DISEASES IN SPAIN 2017-2021

889 Clinical trials on rare diseases

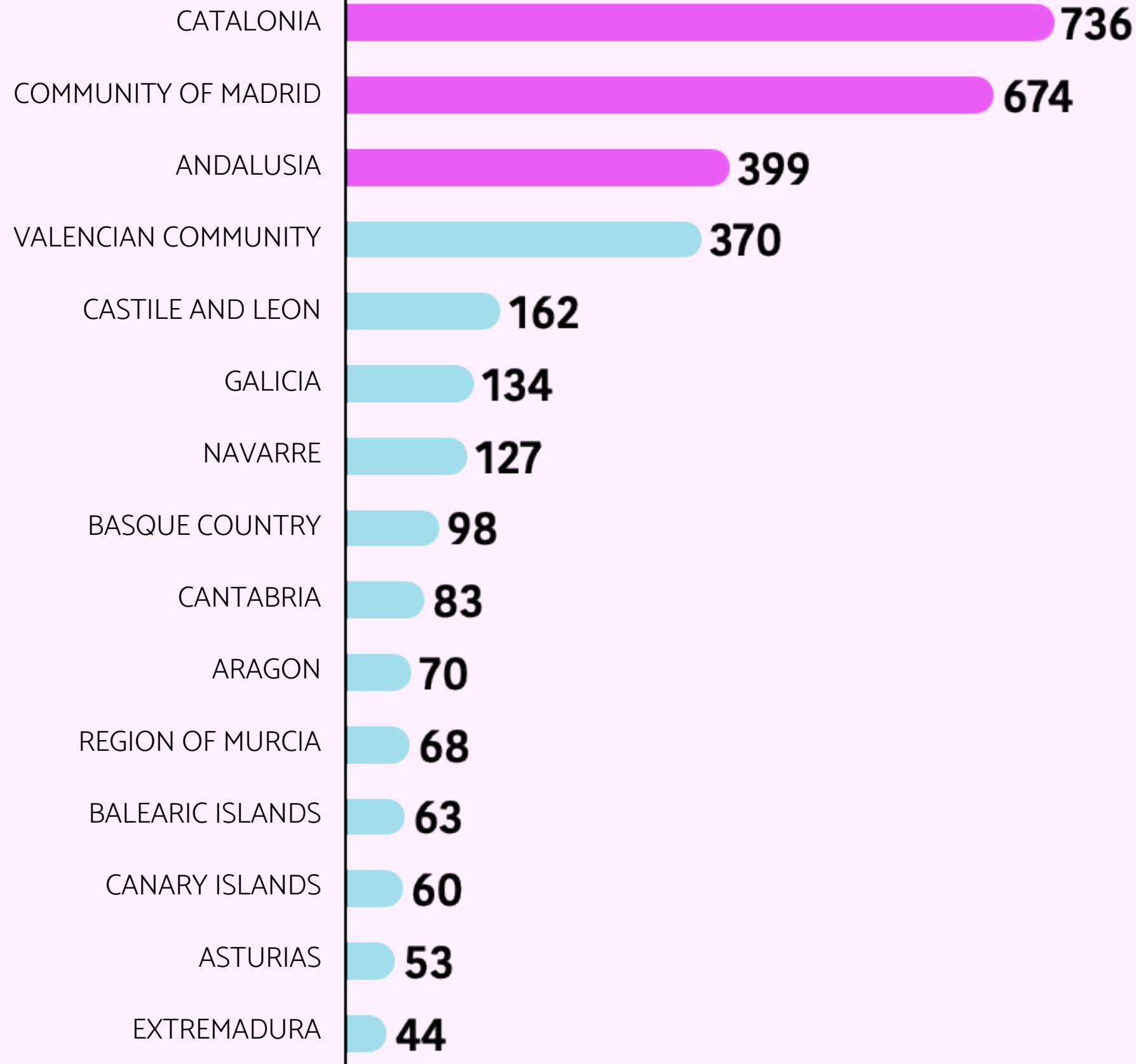
65%

between 2017-2021

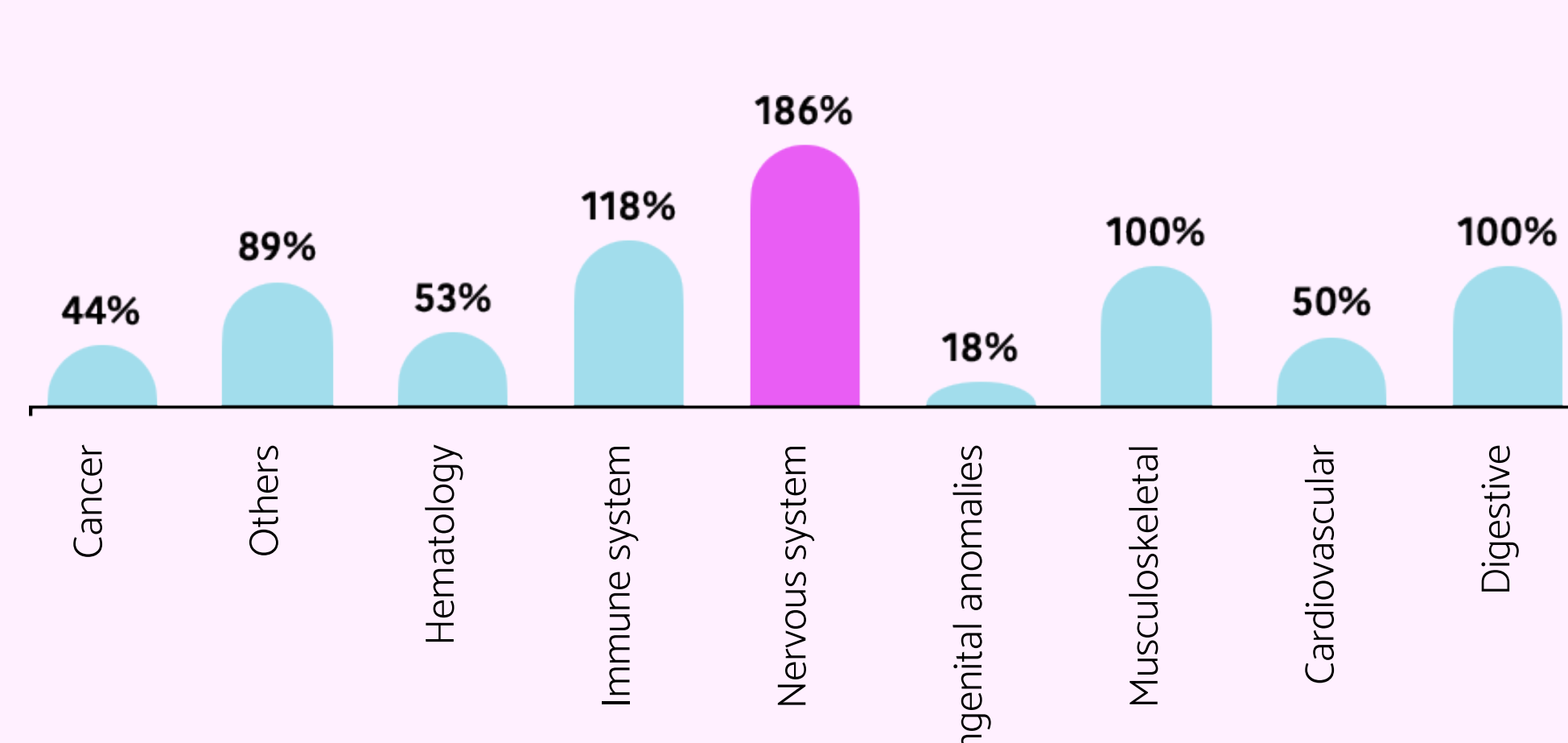
18.590 patients

38%

between 2017-2021



Clinical trials on rare diseases by Autonomous Community 2017-2021



Percentage change in therapeutic areas (2017 vs. 2021)

The area of research on rare diseases with the highest growth has been nervous system diseases, increasing from 7 trials in 2017 to 20 in the last year (186% increase).

## CLINICAL TRIALS ON RARE DISEASES BY AELMHU PARTNERS\*\*\*

2021

21%

21% increase in the number of authorized Clinical Trials compared to 2020

2%

2% drop in the number of patients between 2021 and 2020

2017-2021

71%

The number of clinical trials has increased by 71%.

84%

The number of patients grew by 84%.

\*Clinical trials authorized during 2021. Source: Spanish Register of Clinical Trials (REec - AEMPS). Information analyzed by BioInnova Consulting

\*\*Most of the trials analyzed have been multicentre trials, with each individual trial being counted in several Autonomous Communities

\*\*\*AELMHU partners during the year 2021