

## The foundation

**Ace Alzheimer Center Barcelona is a non-profit entity that focuses its activity on the areas of ageing, cognitive decline, and dementia.**

Born in 1995, Ace is an innovative project, a national and international reference in the field. Its main objective is meeting the growing demand for treatment and training of people with cognitive impairment and dementia, especially to Alzheimer's disease, offering personalized care as well as medical and global accompaniment for patients and families.

### Vision

At Ace Alzheimer Center Barcelona we work to make someday Alzheimer's history.

### Mission

Ace Alzheimer Center Barcelona is a non-profit entity at the service of people with Alzheimer's disease or other dementias, and their caregivers.

### Values

- Commitment to people.
- Work as an independent team with an international perspective.
- Promotion of positive personal attitudes and skills.
- Search for professional excellence.
- Quality and rigor in the work done.

## The team

Ace Alzheimer Center has a multidisciplinary team of 99 people distributed in the following areas of activity.

### AREAS OF ACTIVITY

Diagnosis	Therapeutic apheresis	Daycare	Research	Training and awareness
<b>DIAGNOSTIC AND TREATMENT UNIT</b> Multidisciplinary and global diagnosis and treatment Case management Neurology Geriatrics Psychiatry Neuropsychology Social work Nursery Pharmacy	Plasmapheresis Intensive care medicine Neurology Neuropsychology Apheresis nurse Clinical analysis laboratory	<b>DAYCARE CENTER</b> Late onset dementia <b>DAYCARE HOSPITAL</b> Early onset dementia <b>MEMORY WORKSHOPS</b> PPI & Smartbrain Estimul'Art Other therapies	<b>BASIC RESEARCH</b> Genome lab Neuroimaging lab <b>APPLIED RESEARCH</b> Clinical trials Non-pharmacological studies <b>CLINICAL RESEARCH</b> Neurology Neuropsychology Neuroimaging <b>SOCIAL AND LEGAL RESEARCH</b>	<b>ACADEMIC</b> Barcelona-Pittsburgh Conference Global Research Summit <b>GENERAL</b> Intra-mural training Extra-mural training Caregiver training Community awareness

### Our commitment to society

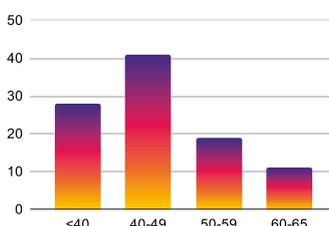
- Care program for people without resources
- Walk-in and unscheduled visits
- Design and programming of Facememory, a digital tool for self-administrated memory check-ups.
- Training of families, caregivers, professionals and society
- Social and cultural activities for people with dementia
- Funding research projects

### The team in numbers during 2021:

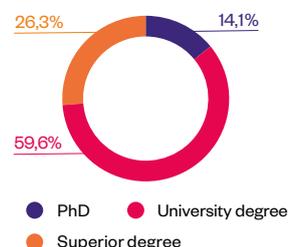


We are committed to gender equality as well as with the promotion of female talent.

### By age



### By studies



# Diagnostic Unit

Born in 1995, the Diagnostic Unit is an innovative project and a reference in Spain and abroad. It is an independent unit specialized in neurodegenerative diseases and it offers personalized care and global accompaniment to people with cognitive impairment, Alzheimer's, and other dementias.

It offers diagnosis, follow-up, pharmacological and non pharmacological treatment, social guidance, personalized attention, training and support to relatives and caregivers.

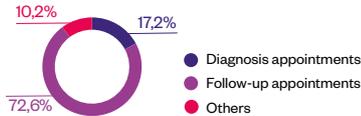
During 2021...

**8.425**  
people visited

**1.986**  
new patients

**6.439**  
follow-up patients

**32.148**  
appointments

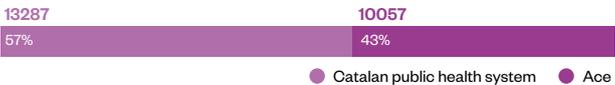


Ace Alzheimer Center funds part of its healthcare activity in accordance with its founding objectives and its commitment to society.

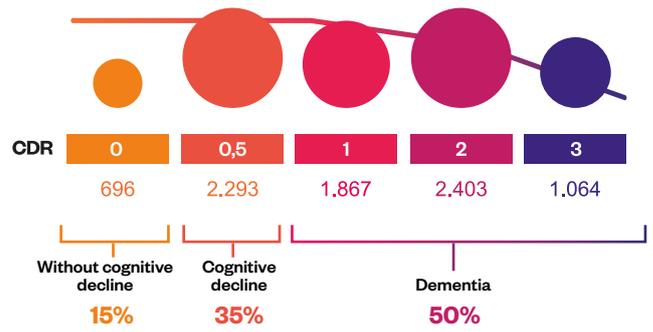
Diagnostic processes funding



Follow-ups funding



Distribution of patients according to diagnosis, severity and CDR



577 diagnostic changes (17% converted to Alzheimer's)

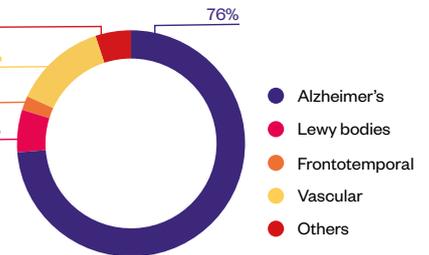
People visited by sex

**5.549**  
women

**2.831**  
men

People with dementia

**5.126**



**400** memory check-ups with our experts through the *Open House Initiative*

**1.427** people assessed through the *Facememory®* tool since May 2021, a self-administered digital test to detect early signs of cognitive decline

# Daycare Unit

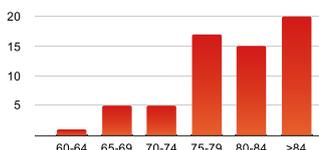
Alzheimer's Educational Centre (ACE) was born in 1991 as the first therapeutic day center of the Spanish State. It was arranged as a daycare hospital for the Life In Years Programme (PVAA) in October 1992. Later, in October 1993, it was concerted by the ICSS, as a specific therapeutic day center for patients with dementia.

The Daycare Unit holds three different services aimed at improving people's quality of life users and helping them maintain their autonomy on maximum possible time: **Memory Workshops (TM), The Daycare Hospital (HD) and the Daycare Centre (CD) (CD).**

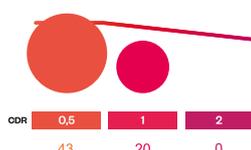
Attendees to Memory Workshops during 2021

**63**  
attendees

By age



By phase

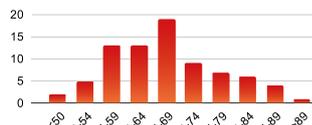


Users during 2021

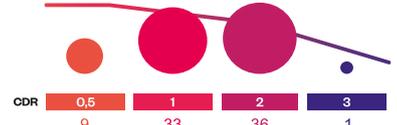
**79** users at the Daycare Hospital

**32** women  
**47** men

By age



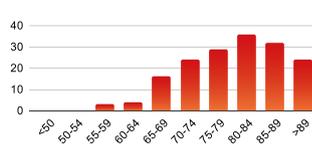
By phase



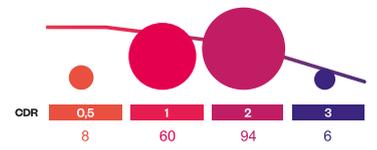
**168** users at the Daycare Center

**65** women  
**103** men

By age



By phase



# Research Unit

Research is one of Ace Alzheimer Center Barcelona's founding activities. In 2006, the creation of the Research Unit aimed to cover the whole the scientific activity of the entity.

The trajectory and production of this unit has made Ace a national and international reference for the number of clinical trials carried out as well as for having **one of Europe's largest genetic Alzheimer's sample collection**.

The main objective of this unit is to advance on the knowledge of dementia through a holistic and multidisciplinary approach and to do so it is organized in **five programs**: applied research (clinical trials), basic research, clinical research, medical psychology, and social research.

During 2021...

**39** scientific papers

**352,892**  
impact factor  
(record year)

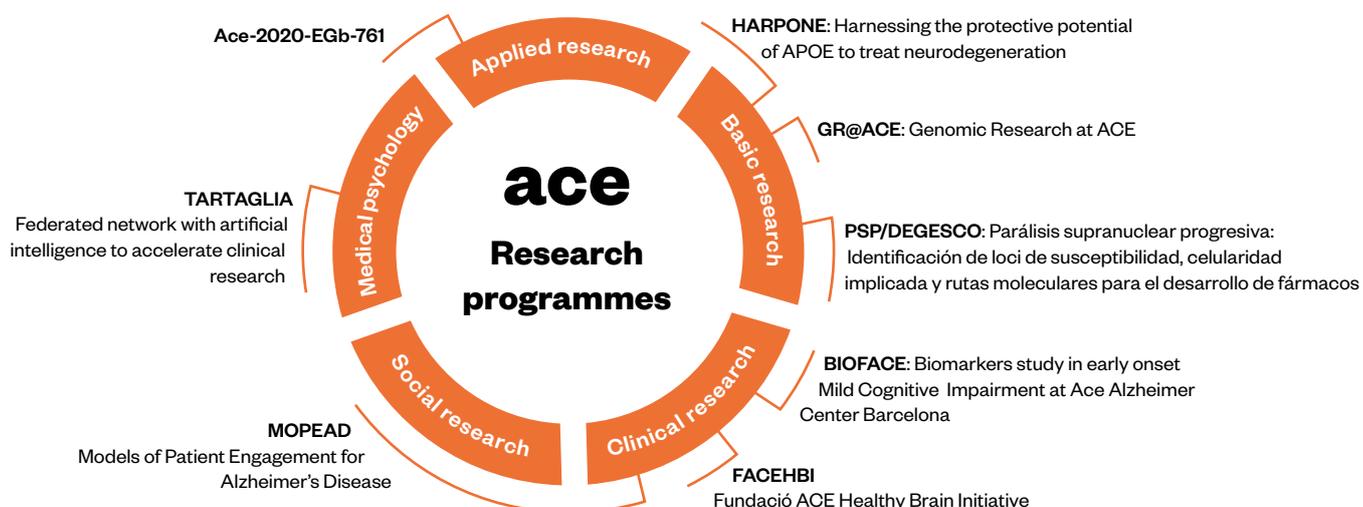
Triennium 2019-2021:

**105**  
papers  
**2.650**  
citations

European leadership in Alzheimer's genetics projects

**17.993**  
genetic samples in the collection

**1**  
patent obtained



## Applied research

Since the beginning Ace Alzheimer Center works in applied research: the designing and conduction of clinical trials.

Clinical trials are studies designed to determine the effects of a drug or procedure under investigation. The purpose of the trials is to determine whether the treatment is effective and at what dose or frequency.

During 2021...

**14.004**  
appointments

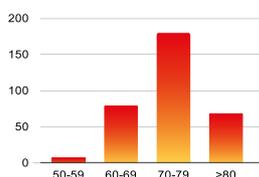
**343**  
total participants

**25**  
active clinical trials

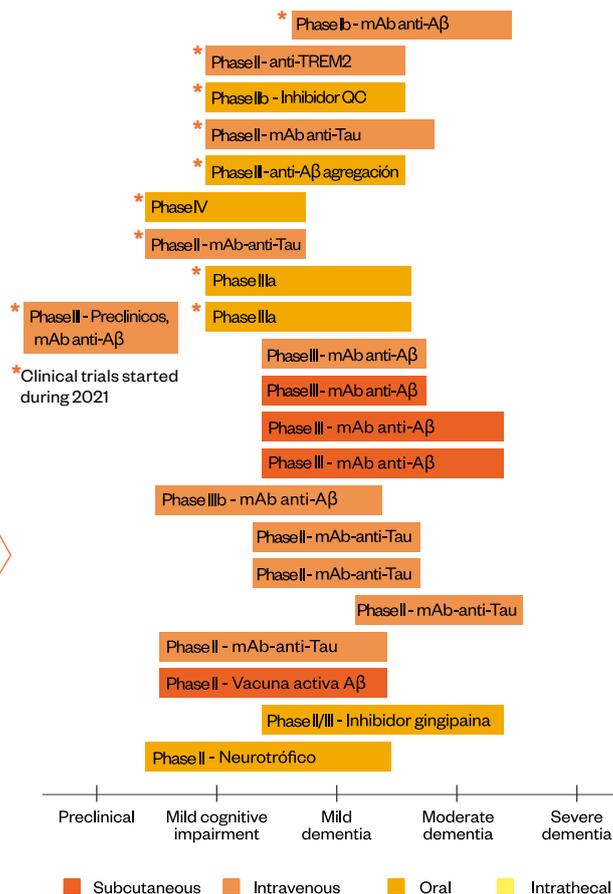
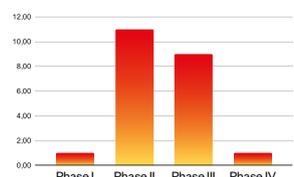
By sex

**194**  
women  
**149**  
men

By age



Trials by phase



# Therapeutic Apheresis Unit

In 2021, Ace Alzheimer Center Barcelona and Grifols opened the first Therapeutic Apheresis Unit for people with Alzheimer's of the world.

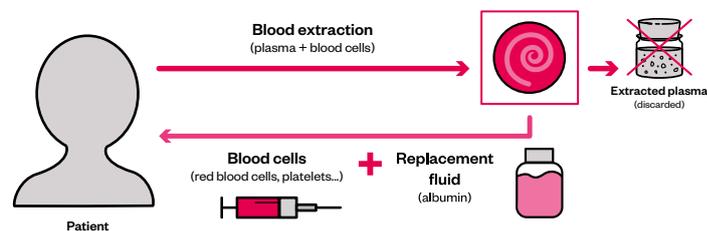
This unit offers a **new treatment strategy** for people with mild to moderate Alzheimer's disease, by applying the AMBAR® procedure.

AMBAR® (Alzheimer Management by Albumin Replacement) is an **innovative treatment that has demonstrated a positive effect on slowing Alzheimer's progression.**

This treatment involves **replacing plasma periodically by a procedure called plasmapheresis** on people with moderate-stage Alzheimer's.

## AMBAR® approaches Alzheimer's from a multimodal perspective:

- Periodically replacing plasma withdraws the beta-amyloid protein carried by the albumin.
- Albumin administration can have other beneficial effects: antioxidants and anti-inflammatory.



- 1** The AMBAR® procedure consists of replacing plasma with albumin.
- 2** During the procedure, patient's blood circulates through a machine that removes plasma (blood's liquid component).
- 3** Finally, the device returns blood cells to the patient along with a therapeutic albumin solution.

During 2021...

\*Les dades corresponen al període comprès entre el mes de maig (obertura del centre) i el mes de desembre del 2021.

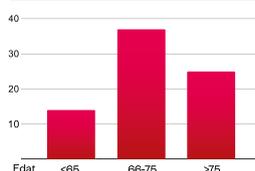
**552** people interested

**445** treatments

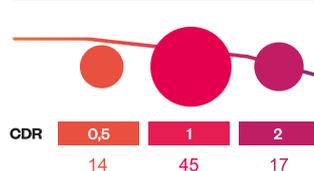
**76** visited people

**45** women  
**31** men  
**71** years old average age

### By age



### By phase



## Training and Support

**Support groups:** To provide tools and help to family caregivers we organize **support and training groups for spouses or adult sons and daughters of people with presenile dementia** (under 65 years old).

**20**

sessions

**19**

participants

**61**

average age of spouses

**32**

average age of sons / daughters

### Caregivers room:

**Post-diagnostic workshop:** Oriented to developing and acquiring knowledge and skills to deal with a person with dementia care needs.

**12**

sessions

**389**

participants

**54**

average age

**Activities workshop:** A theoretical and practical workshop with the purpose of training relatives of people with dementia in the development of lucid and stimulating activities at home

**6**

sessions

**204**

participants

**56**

average age

### Highlights:

#### Ace Global Research Summit:

Unable to celebrate in person congresses due to the pandemic, Ace organized the first edition of Global Research Summit. Three online monographic seminars on different fields of research.



#### The 6th edition of Alzheimer's Night:

Alzheimer's Night is a charity event born in 2015 with the purpose of creating a meeting point between the scientific world and society. The sixth edition, which was held online on December gathered more than 260 people.



#### New name and new corporate image:

The new brand image and name of Ace Alzheimer Center Barcelona was released in April. New image and name, which includes the word Alzheimer, wants to bring people closer to what the foundation does.

