Smartbrain

Care for your memory

We help the elderly, and anybody suffering cognitive impairment, fight against dementia, slow down the loss of mental abilities, keep their autonomy for longer, and delay dependency.

We facilitate the therapists and caregivers follow their evolution, and build upon the results of the practice

PERSONALIZED COGNITIVE STIMULATION

IN-SITE AND AT-HOME PRACTICE

PROVEN EFFICACY AND RESULTS

An ideal support for any institution or specialist practicing cognitive stimulation, in-site, at home, or remotely, to prevent and treat the loss of mental skills

Developed countries are aging rapidly, and at the same time the population suffering from dementia is growing

% population older than 65 years
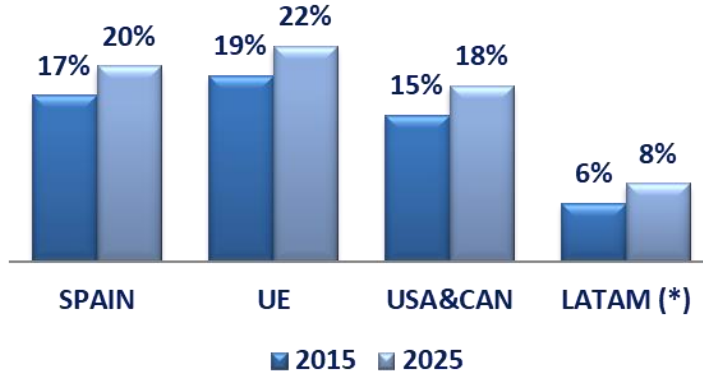
Along with the growth of the elderly population, life expectancy also increases, exceeding 80 years.
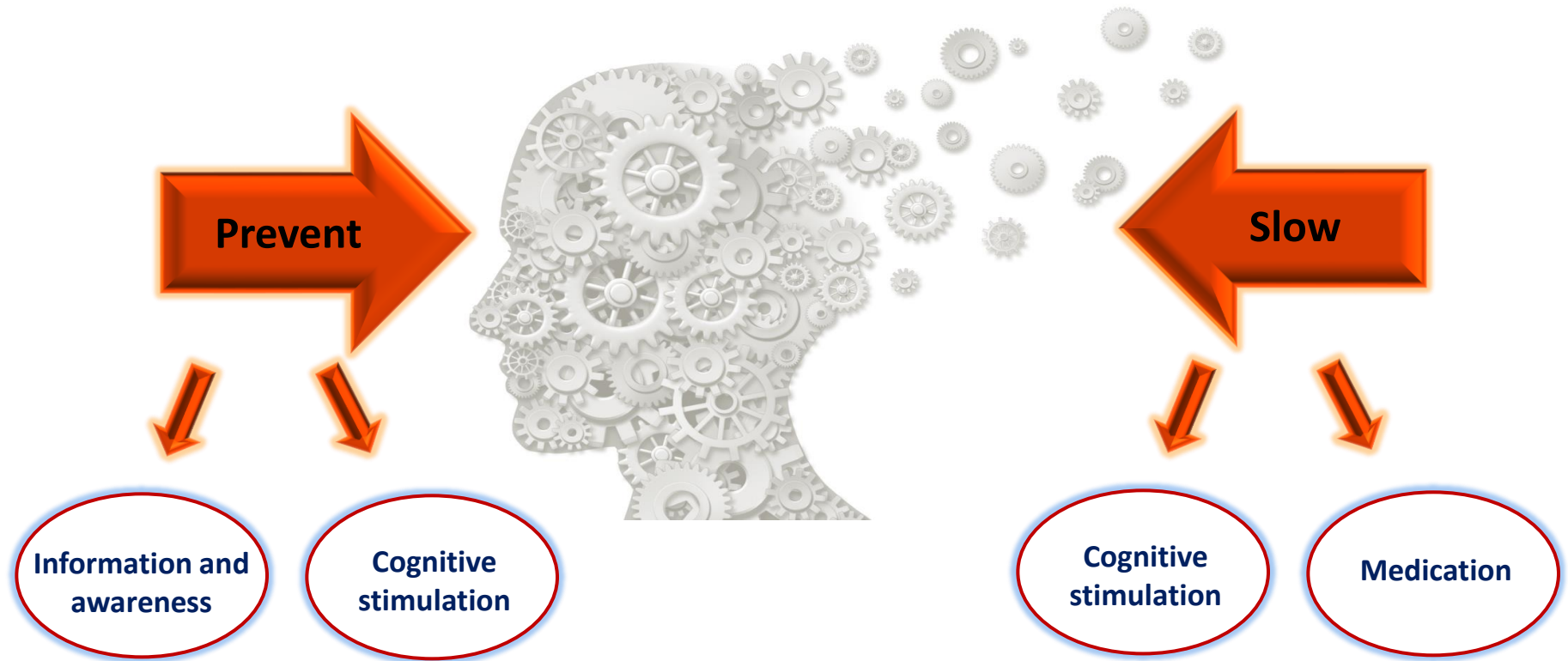
Prevalence of dementia by age

EDAD	65-70	70-75	75-80	80-85	>85
Prevalence	15%	26%	47%	63%	65%

The probability of developing dementia grows exponentially with age

And the bad news is that, at the present time, dementia cannot be cured. Those who suffer from it end up being totally dependent on others.

(*) Main countries of Latin-America: México, Argentina, Chile, Colombia, Perú, Venezuela, Uruguay

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Current therapeutic strategy in the absence of a cure for dementia: prevent it and, when detected, slow down its progression.

Prevent → ← **Slow**

- Information and awareness
- Cognitive stimulation
- Cognitive stimulation
- Medication

Doing cognitive stimulation exercises emerges as the most effective strategy to prevent the loss of mental abilities and, when it is detected, to slow down its evolution as much as possible.

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Smartbrain: cognitive stimulation personalized to any need

COGNITIVE IMPAIRMENT
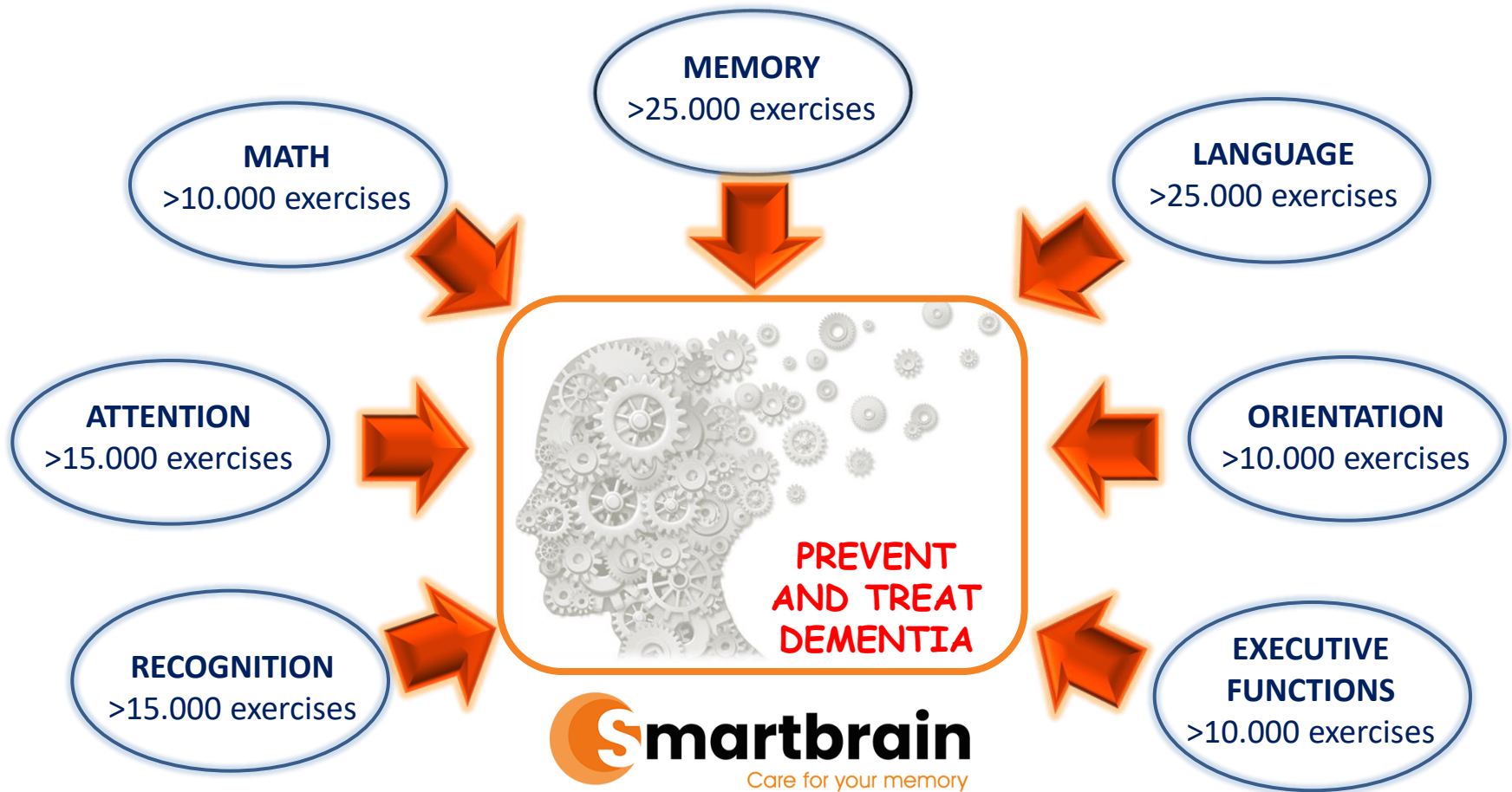
Delay

Slow

AGE

1

2

3
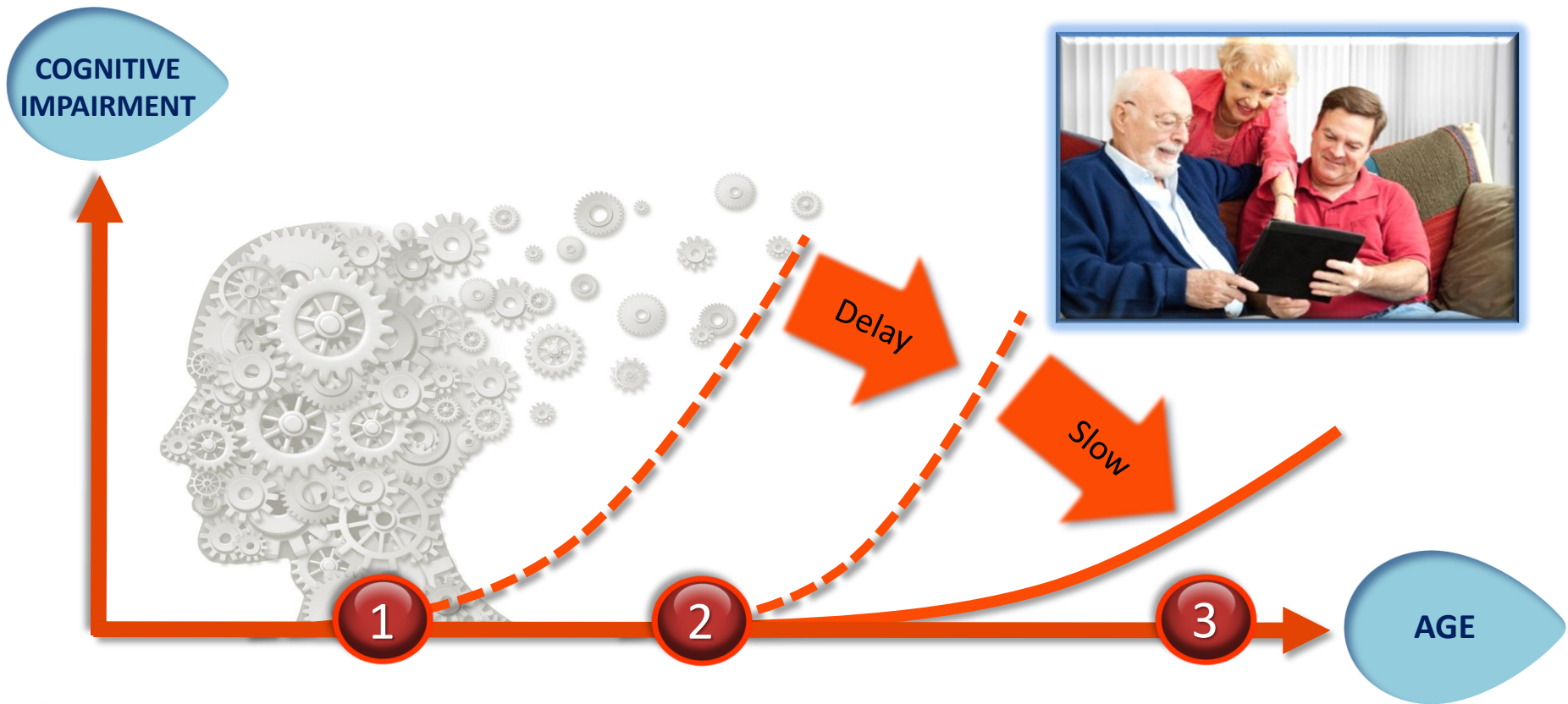
1 Helps prevent and delay the onset of cognitive impairment

2 When an impairment is detected, it allows slowing down and mitigating its evolution, maintaining the autonomy and quality of life of the affected persons for a longer period of time.

3 Helps the specialists complete the diagnosis, and to follow closely the evolution of their patients over time, helping them to move away from dependence

We help fight dementia, and to keep mental skills, personal autonomy and quality of life for longer - www.smartbrain.net – info@smartbrain.net

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Smartbrain features thousands of exercises to work out all the mental skills, to prevent and treat any case of cognitive impairment

MEMORY
>25.000 exercises

MATH
>10.000 exercises

LANGUAGE
>25.000 exercises

ATTENTION
>15.000 exercises

ORIENTATION
>10.000 exercises

RECOGNITION
>15.000 exercises

EXECUTIVE FUNCTIONS
>10.000 exercises

PREVENT AND TREAT DEMENTIA

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More than 100.000 different exercises
Multiple levels of difficulty, from the very basic to the really tough one
Several languages: English, Spanish, Italian, Swedish, Hebrew, Catalan

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Smartbrain has been developed with a solid scientific foundation its therapeutic efficacy has been scientifically proven, and is backed by many testimonials from users

Medical studies published in peer-reviewed journals show that it slows down the process of cognitive impairment

The users of Smartbrain tell us that they are effectively getting the desired results

Alzheimer's
Parkinson's
Ageing
AIDS treatment

Chemobrain
Ictus and brain damage
Down syndrome and ntellectual disability
Multiple sclerosis

Proven efficacy for treating cognitive impairment caused by Alzheimer's

- o "A randomized pilot study to assess the efficacy of an interactive, multimedia tool of cognitive stimulation in Alzheimer's disease" - L. Tarraga, M.Boada, O. Lopez, J. Becker et al. – Journal of Neurology, Neurosurgery and Psychiatry 2006;77

Proven efficacy for treating cognitive impairment caused by Parkinson's

- o "A blind randomized controlled study of the efficacy of cognitive training in Parkinson's Disease" - A. Prats, H. Guerra, M. Crespo et al - Movement Disorders, Vol. 26, No. 7, 2011
- o "Cognitive Training and Transcranial Direct Current Stimulation for Mild Cognitive Impairment in Parkinson's Disease: A Randomized Controlled Trial" - Blake J. Lawrence, Natalie Gasson, Andrew R. Johnson, Leon Booth, Andrea M. Loftus. – Hindawi Parkinson's Disease, Volume 2018, Article ID 4318475
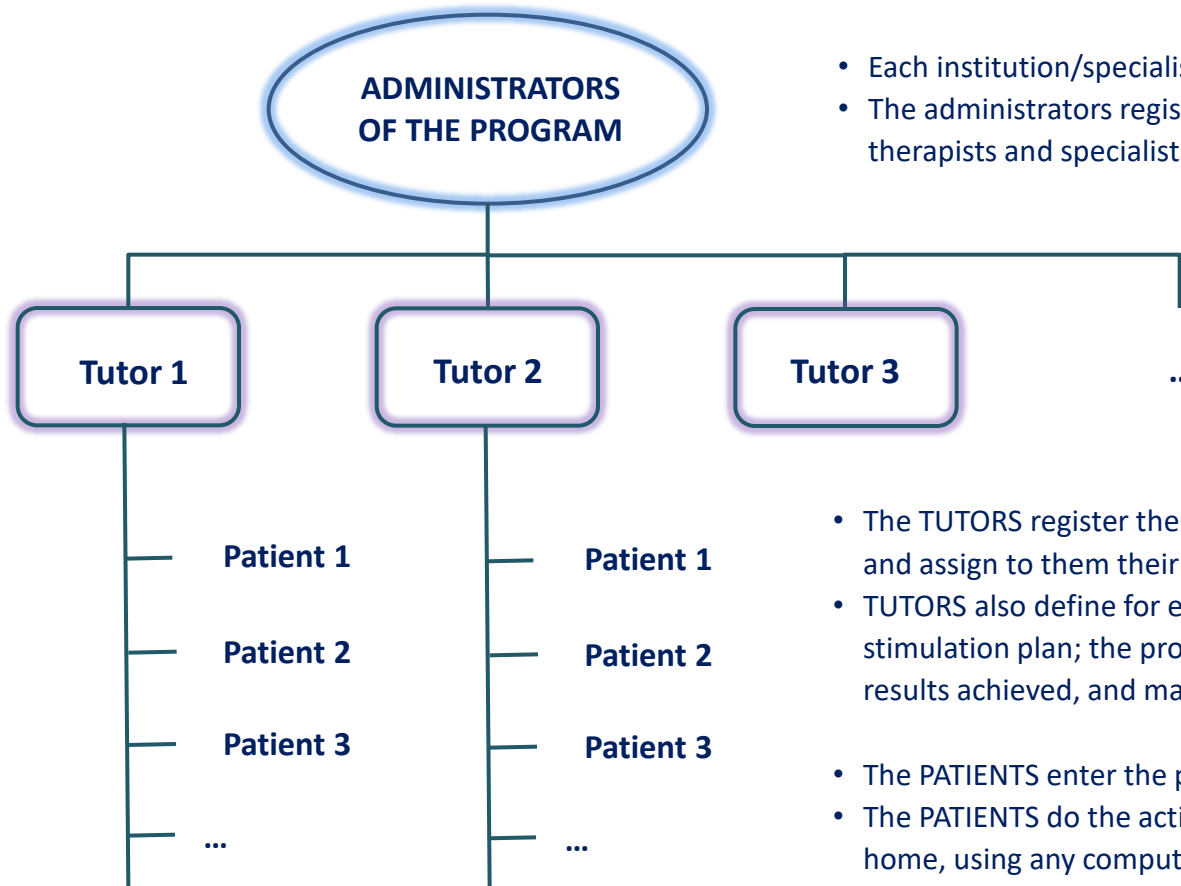
Proven efficacy for treating cognitive impairmen caused by the therapy for AIDS

- o *"A pilot study of the effects of internet-based cognitive stimulation on neuropsychological function in HIV disease" – J. Becker, M. Dew, H. Aizenstein, O. Lopez, L. Tárraga et al. Disability and Rehabilitation 2012*

**The only cognitive stimulation program recommended by CEAFA
Spanish confederation of associations helping people suffering Alzheimer's**

CEAFA
ALZHEIMER

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Smartbrain makes it easy for professionals to do cognitive stimulation exercises personalized to each situation and follow the treatment with as many people or groups as needed.

ADMINISTRATORS OF THE PROGRAM

Tutor 1

Tutor 2

Tutor 3

...

Patient 1

Patient 2

Patient 3

...

Patient 1

Patient 2

Patient 3

...

- Each institution/specialist is assigned the role of ADMINISTRATOR
- The administrators register as many TUTORS as they need (their therapists and specialists), receiving their personal entry keys

- The TUTORS register their patients in the program, as many as needed, and assign to them their personal entry keys
- TUTORS also define for each patient their personalized cognitive stimulation plan; the program helps them track the execution and the results achieved, and make any change needed

- The PATIENTS enter the program using their personal entry keys
- The PATIENTS do the activities defined by their TUTORS, in-site or at-home, using any computer, tablet, smartphone or smart TV
- The program records performance data and USER results, and automatically adjusts difficulty levels, if necessary

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Smartbrain's functionalities and tools make it easy to offer personalized cognitive stimulation services with several options: In-site, at-home, or telemedicine

The professionals register the users from their offices, and define their personalized stimulation plans assigning the activities to be carried out, with the parameters of difficulty levels, languages, times, etc.
They also track executions and results.

Option 1

Users do their activities in-site, In the premises of a center, with direct assistance from therapists

Option 2

Users with sufficient capacity do the activities on their own, in person at a center, with or without monitoring.

Option 3

Users do the activities comfortably at home, on their own and with/without the help of family members or caregivers.

Option 4

Users do the activities comfortably in their homes, with the help of a home assistant

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Smartbrain presents professionals with a very simple and intuitive user interface, with a dashboard that informs them of the global situation of all their users.

Space to customize with corporate logo

Users are identified with an alias and icon/photo

Data search and download tools

Quick editing of users' profiles

Date of last execution of the working plan

Overall scores achieved to date

Trend of overall scores

Notifications of relevant events for each user

Smartbrain offers more than 100.000 exercises to work out all mental skills, and makes it simple to define users' stimulation plans quickly and easily

Space to customize with corporate logo

Activities for stimulating all cognitive skills

Several options for configuring the working plans

Detailed information on each activity

Multiple difficulties: from the simplest to the diabolical

All activities available in several languages

Professionals have multiple options for setting the parameters of the working plans, to customize them to the individual needs of each user

Space to customize with corporate logo

Selection of working days

Configuration of notifications to be received

Creation of templates to facilitate assignment

Option to set periodic exams

Setting of working time

Adaptation to user's particularities

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Users   Results   Notifications 0   Activities   Templates   Help   Messages   Juan Ramon Llorente

Settings: Juan Ramon

Profile   **Working plan**   Global scores   Last executions   Notifications

Working days ?
× Monday
× Tuesday
× Wednesday
× Thursday   × Friday
× Saturday
× Sunday

Minutes of work out per working session ?
30

Maximum daily work out time ?
60

Don't repeat audio instruction ?

Allow skipping repetitions ?
✔

Test template ?
No test template

Test frequency ?
Select frequency

Add activities
Add template
• Settings

Notifications settings ?
The user has not done any working session in the 1 last weeks
The user has not done more than 3 working sessions in the 1 last weeks
The user has taken more than 6 minutes to complete one of the activities

Change

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**For users, using Smartbrain is very simple and enjoyable:
they simply answer the exercises that are automatically presented to them
by pressing the touch screen or with the mouse**
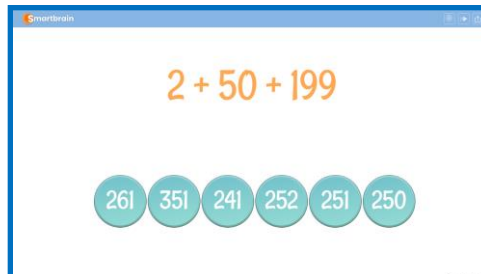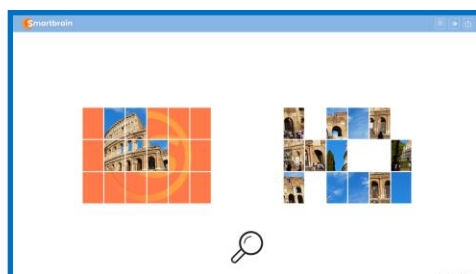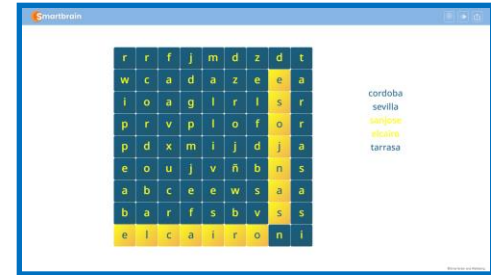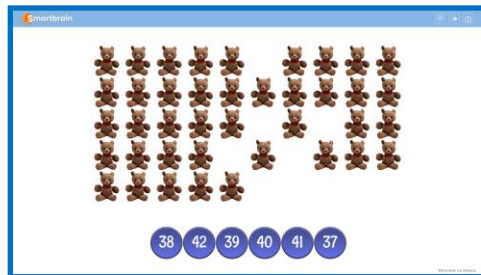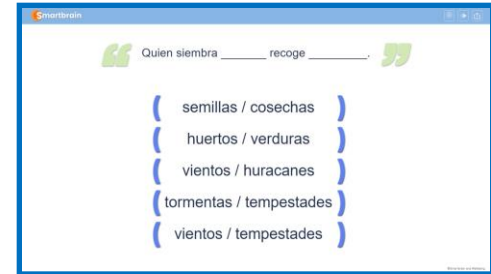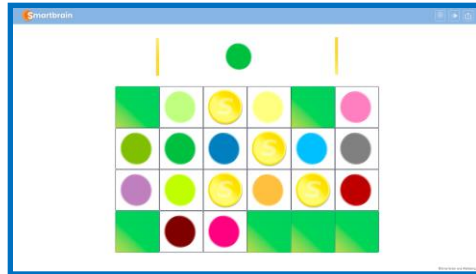
**Users receive audio instructions on what to do,
and can also see them in writing in case of deficiency or forgetfulness.
Positive interjections are heard to indicate successes and failures**

The scores of the executions are automatically recorded, and Smartbrain allows to follow them in full detail, with graphs and the option to download the data

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Tools for searching and downloading scores

Consultation of scores in each category

Consultation of scores in each activity

Periodic examinations for further control of evolution

Consultation of global scores on all executions
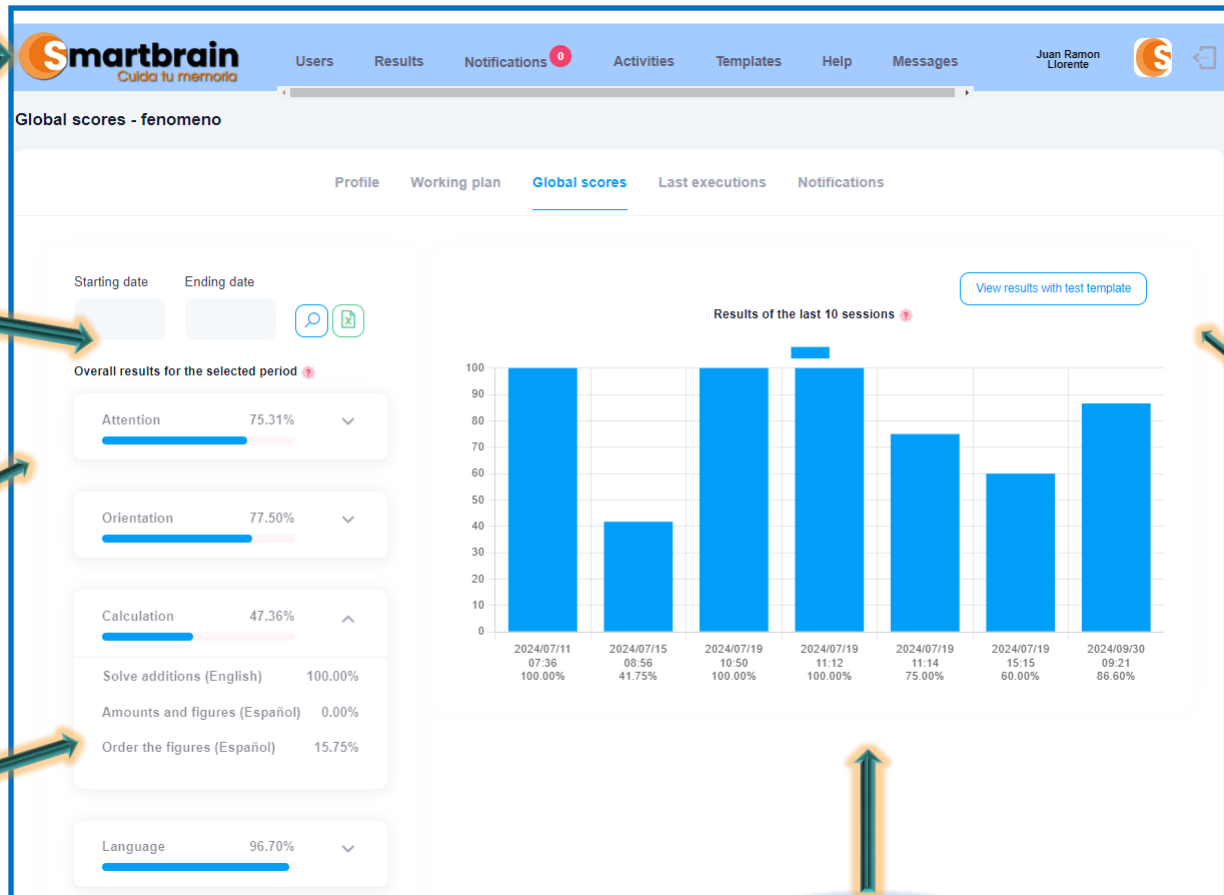
Either if done in-site or at-home, Smartbrain allows the offering of a cognitive stimulation practice that can be personalized to the individual need of each patient, userfriendly, easy to use and effective

Registry and managemet of users, individually or in groups

Programming of personalized cognitive stimulation plans

Adaptation of working plans according to the results of each user

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Execution of the working plans by the users, in-site or at-home

Data analysis and generation of reports for specialist and relatives

Immediate access to usage data and results achieved by each patient

The full interaction creates a continuous and feedback cycle, which allows the therapists detect any change, risk or need, and do long-term monitoring of the therapy

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Smartbrain is already being successfully used by individuals and public and private entities in Spain, the United States, Italy and Latin America

Cloud operation, which allows the use of Smartbrain 24 hours a day, every day,
from any place where Internet access is available,
with any computer, tablet, Smart TV, smartphone, digital whiteboard, etc.

Smartbrain is also a high social impact project due to the significant socio-economic results that its dissemination allows to achieve

Helps to promote an active aging, with greater personal autonomy, and maintaining the quality of life of the elderly

For every year that cognitive abilities are maintained, the dependency rate is reduced by 20%

Family members and caregivers of affected persons maintain their ability to socialize and their quality of life

Both families and public health services can achieve significant savings in dependency care costs

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

3 GOOD HEALTH AND WELL-BEING

5 GENDER EQUALITY

8 DECENT WORK AND ECONOMIC GROWTH

10 REDUCED INEQUALITIES

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