

Jornada Connect-EU

Impulsa el teu projecte d' **R+D**
i **innovació** a Europa



Co-organitzadors:

ACCIÓ i AGAUR

Amb el suport de:

iberCaja 



Sessió - Salut, canvi demogràfic i benestar

Sr. Juan Riese, NCP H2020 Repte Social 1, ISCIII

Sr. Ulises Cortés, Universitat Politècnica de Catalunya

Modera: **Montse Daban**, Secretaria
d'Universitats i Recerca



Las convocatorias 2018-2019-2020 del Reto Social 1 'Salud, cambio demográfico y bienestar'

06.11.2017

Juan E. Riese PhD MBA

Punto Nacional de Contacto – Reto Social 1 H2020 & IMI2

Experto Nacional en el Comité de Programa Reto Social 1

Oficina de Proyectos Europeos

Subdirección General de Programas Internacionales de Investigación y Relaciones Institucionales



Hacia las convocatorias de SC1 2018-2019-2020

7 prioridades repartidas en 3 áreas

Area 1. Better health and care, economic growth and sustainable health systems (Topics BHC)

1. Personalised medicine
2. Innovative health and care industry
3. Infectious diseases and improving global health
4. Innovative health and care systems – Integration of care
5. Decoding the role of the environment for health and well-being

Area 2. Digital transformation in health and care (Topics DTH)

Area 3. Trusted digital solutions and cybersecurity in health and care (Topics TDS)

Otras acciones: premios (en conv. 2020); Instrumento PYME y FTI aparte

Call – Better Health and care, economic growth and sustainable health systems

1.1. Personalised Medicine (I)

- SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities combining mental and physical disorders – (4-6 M€/proyecto; 12-17 proyectos – total 70 M€)
- SC1-BHC-02-2019: Systems approaches for the discovery of combinatorial therapies (4-6 M€/proyecto; 8-12 proyectos – total 50 M€)
- SC1-BHC-03-2018: Exploiting research outcomes and application potential of the human microbiome for personalised prediction and prevention of disease (10-15 M€/proyecto 3-5 Proyectos – total 50 M€)
- SC1-BHC-04-2018: Rare Disease European Joint Programme Co-Fund (50 M€/Proyecto; 1 Proyecto – total 50 M€)

1.1. Personalised Medicine (II)

- SC1-BHC-05-2018: International flagship collaboration with Canada for human data storage, integration and sharing to enable personalised medicine approaches (4-6 M€/proyecto; 6-10 proyectos – total 40 M€)
- SC1-HCO-01-2018-2019-2020: Actions in support of the International Consortium for Personalised Medicine (1,5-2M€; 3 proyectos – total 8 M€ - 1 proyecto/año)
- SC1-HCO-02-2018: Data integration and data-driven in-silico models for enabling personalised medicine - a European standardization framework (1,5-2 M€; 1 proyecto – total 2 M€)
- SC1-HCO-04-2018: ERA-NET to support the Joint Programming in Neurodegenerative Diseases strategic plan (JPND) (4-5 M€; 1 proyecto – total 5 M€)

1.2. Innovative health and care industry

- SC1-BHC-07-2019: Regenerative medicine: from new insights to new applications (6-8M€; 6-8 proyectos – total 50 M€)
- SC1-BHC-09-2018: Innovation platforms for advanced therapies of the future (12-15M€; 4-5 proyectos – total 50 M€)
- SC1-BHC-10-2019: Innovation Procurement: Next generation sequencing (NGS) for routine diagnosis (9-11 M€; 3-4 proyectos – total 40 M€)
- SC1-HCO-05-2018: Strengthening regulatory sciences and supporting regulatory scientific advice (1,5-2M€; 1 Proyecto – total 2 M€)

1.3 Infectious diseases and improving global health (I)

- SC1-BHC-13-2019: Mining big data for early detection of infectious disease threats driven by climate change and other factors (12-15 M€; 2-3 proyectos – total 30 M€)
- SC1-BHC-14-2019: Stratified host-directed approaches to improve prevention and/or cure of infectious diseases (6-10 M€; 10-16 proyectos – total 95 M€)
- SC1-BHC-15-2018: New anti-infective agents for prevention and/or treatment of neglected infectious diseases (NID) (5-10 M€; 5-10 proyectos – total 52 M€) (lump sum pilot)

1.3 Infectious diseases and improving global health (II)

- SC1-BHC-16-2018: Global Alliance for Chronic Diseases (GACD) - Scaling-up of evidence-based health interventions at population level for the prevention, detection, and management of hypertension and/or diabetes (2-4 M€; 5-10 proyectos – total 20 M€)
- SC1-BHC-18-2019: EU-CELAC collaboration for research on non-communicable diseases (2 - 4M€; 6-12 proyectos – total 25 M€)
- SC1-BHC-19-2019: Implementation research for maternal and child health (2-4M€; 6-12 proyectos – total 25 M€)

1.3 Infectious diseases and improving global health (III)

- SC1-BHC-21-2018: Research on HIV, tuberculosis and/or hepatitis C in patients with mono-, co-infections or comorbidities in the context of the collaboration between the European Union and the Russian Federation (2-4 M€; 2-5 proyectos – total 10 M€)
- SC1-HCO-06-2018: Establishment of an International Network of Research Centres addressing governance challenges in the research response to infectious threats (2-3 M€; 1 proyecto – total 3 M€)

1.3 Infectious diseases and improving global health (IV)

- SC1-HCO-08-2018: Creation of a European wide sustainable clinical research network for infectious diseases (2-3M€; 1 proyecto – total 3 M€)
- SC1-HCO-09-2018: Building international efforts on population and patient cohorts (1-2 M€; 1 proyecto – total 2 M€)
- SC1-HCO-10-2018: Coordinating European brain research and developing global initiatives (1-2 M€; 1 proyecto – total 2 M€)
- SC1-HCO-11-2018: Strategic collaboration in health and care research and innovation between EU and China (0,8-1 M€; 1 proyecto – total 1 M€)

1.4 Innovative health and care systems - Integration of care (I)

- SC1-BHC-22-2019: Mental health in the workplace (2-4 M€; 7-15 proyectos – total 30 M€)
- SC1-BHC-23-2018: Novel patient-centred approaches for survivorship, palliation and end-of-life care (3-4 M€; 11-14 proyectos – total 44 M€)
- SC1-BHC-25-2019: Demonstration pilots for implementation of personalised medicine in health care (18 - 20 M€; 3 proyectos – total 60 M€)
- SC1-BHC-26-2018: HTA research to support evidence-based healthcare (5-10 M€; 1-2 proyectos – total 10 M€)
- SC1-HCO-12-2018: Innovation in health care – a CSA towards using pre-commercial procurement and public procurement of innovative solutions in health care systems (1,5-2 M€; 1 proyecto – total 2 M€)

1.5 Decoding the role of the environment for health and well-being

- SC1-BHC-27-2018: New testing and screening methods to identify endocrine disrupting chemicals (4-6 M€; 8-12 proyectos – total 52 M€)
- SC1-BHC-28-2019: The Human Exposome Project: a toolbox for assessing and addressing the impact of environment on health (8-12M€; 4-6 proyectos – total 50 M€)
- SC1-HCO-13-2018: Setting the priorities for a European environment and health research agenda (2-3 M€; 1 proyecto – total 3 M€)

Call – Digital transformation in Health and Care (I)

- SC1-DTH-01-2019: Big data and Artificial Intelligence for monitoring health status and quality of life after the cancer treatment (3-5 M€; 5-7 proyectos – total 35 M€)
- SC1-DTH-03-2018: Adaptive smart working and living environments supporting active and healthy ageing (3-4 M€; 6-8 proyectos – total 25 M€)
- SC1-DTH-05-2019: Large scale implementation of digital innovation for health and care in an ageing society (2-5 M€; 2-5 proyectos – total 10 M€)
- SC1-DTH-07-2018: Exploiting the full potential of in-silico medicine research for personalised diagnostics and therapies in cloud-based environments (10-15 M€; 2-3 proyectos – total 35 M€)

Call – Digital transformation in Health and Care (II)

- SC1-DTH-08-2018: Prototyping a cloud-based standardised Personal Health Record/Electronic Health Record for Europe (6–10 M€; 3-5 proyectos – total 30 M€)
- SC1-DTH-09-2019: Scaling up the univocal identification of Medicinal Products (5-8 M€; 2-4 proyectos – total 19 M€)
- SC1-DTH-10-2019-2020: Digital health and care services (5-6 M€; 3-4 proyectos – total 22 M€)
- SC1-DTH-11-2019: Large Scale pilots of personalised & outcome based integrated care (4-6 M€; 3-5 proyectos – total 20 M€)
- SC1-HCC-01-2018: Supporting investment in smart living environments for ageing well through certification (1 M €; 1 proyecto – total 1 M€)

Call – Digital transformation in Health and Care (III)

- SC1-HCC-02-2019: Support for the large scale uptake of open service platforms in the Active and Healthy Ageing domain (1,5 M€; 1 proyecto – total 1,5 M€)
- SC1-HCC-03-2018: Support to further development of international cooperation in digital transformation of health and care (2 M€; 1 proyecto – total 2 M€)
- SC1-HCC-04-2018: Digital health and care services – support for policy, strategy and (early) adoption (3 M€; 1 proyecto – total 3 M€)
- SC1-HCC-05-2018: Support to a Digital Health and Care Innovation initiative in the context of Digital Single Market strategy (4 M€; 1 proyecto – total 4 M€)

Call – Trusted Digital Solutions and Cybersecurity in Health and Care

- DT-TDS-01-2019: Smart and healthy living at home (15-20 M€; 3-4 proyectos – total 60 M€)
- SU-TDS-02-2018: Toolkit for assessing and reducing cyber risks in hospitals and care centres to protect privacy/data/infrastructures (3-5 M€; 7-12 proyectos – total 35 M€)
- SU-TDS-03-2018: Raising awareness and developing training schemes on cybersecurity in hospitals (1 M€; 1 proyecto – total 1 M€)



Tabla de fechas (I)

Conv.	Nº de topic	Apertura	Fecha de cierre
Convocatoria BHC			
2018	SC1-BHC-3 / 4 / 5 / 9 / 16 / 18 / 21 / 23 / 26 / 27		18.04.2018
	SC1-HCO-2 / 4 / 5 / 6 / 9 / 10 / 11 / 12 / 13	07.11.2017	
	SC1-BHC-15		Etapa 1 06.02.2018 Etapa 2 04.09.2018
2019	SC1-BHC-7 / 10 / 13 / 28 SC1-HCO-1 / 2	26.07.2018	16.04.2019
	SC1-BHC-1 / 2 / 14 / 19 / 22 - 25		Etapa 1 02/10/2018 Etapa 2 16.04.2019



Tabla de fechas (II)

Conv.	Nº de topic	Apertura	Fecha de cierre
Convocatoria DTH			
2018	SC1-DTH-3 / 7 / 8 / SC1-HCC-1 / 3 / 4 / 5	07.11.2017	24.04.2018
2019	SC1-DTH-1 / 5 / 9 / 11 SC1-HCC-2	16.10.2018	24.04.2019
2018	SC1-DTH-10	26.07.2018	14.11.2018



Tabla de fechas (III)

Conv.	Nº de topic	Apertura	Fecha de cierre
Convocatoria TDS			
2018	SC1-SU-TDS- 02/03	07.11.2017	24.04.2018
2019	DT-TDS-01	26.07.2018	14.11.2018

Avance convocatorias 2020

Prioridad 1.1. Personalised Medicine

- SC1-BHC-06-2020: Digital diagnostics – developing tools for clinical decisions integrating in vitro and in vivo diagnostics
- SC1-HCO-01-2018-2019-2020: Actions in support of the International Consortium for Personalised Medicine
- SC1-HCO-03-2020: Improving EU-13 participation in EU-supported health research programmes
- SC1-HCO-14-2020: ERA-NET Place holder 2

Priority 1.2 Innovative health and care industry

- SC1-BHC-08-2020: New therapies for Non Communicable Diseases
- SC1-BHC-11-2020: New, animal-free regulatory test methods for human safety testing at the horizon of 2030
- SC1-BHC-12-2020: Boosting the translation of results of health research into validated, innovative applications

Priority 1.3 Infectious diseases and improving global health

- SC1-BHC-17-2020: Global Alliance for Chronic Diseases (GACD) 2
- SC1-BHC-20-2020: Using pre-commercial procurements and public procurement of innovative solutions in health care systems to: - reduce the risk of hospital-acquired infections and/or - improve integrated care
- SC1-HCO-07-2020: ERA-NET Place holder 1

Priority 1.4 Innovative health and care systems – Integration of care

- SC1-BHC-24-2020: Healthcare interventions for the management of the elderly multimorbid patient

Priority 1.5 Decoding the role of the environment for health and well-being

- SC1-BHC-29-2020: Environment, climate change and health – novel mitigating measures for improving population health

Call – Digital Transformation and Care

- SC1-DTH-02-2020: Personalised early risk prediction, prevention and intervention, RIA
- SC1-DTH-04-2020: International cooperation in digital solutions and robotics for independent living
- SC1-DTH-06-2020: Accelerating the uptake of *in-silico* methods for testing medicines with dermatological use and cosmetic products

Call – Digital Transformation in Health and Care

- SC1-DTH-10-2019-2020: eHealth and care services
- SC1-HCC-06-2020: Support to eHealth Innovation ecosystems in Europe
- SC1-HCC-07-2020: Support for European eHealth Interoperability roadmap deployment
- SC1-HCC-08-2020: Scaling up innovation for active and healthy ageing
- SC1-HCC-09-2020: Supporting deployment of eHealth in developing countries for better health outcomes

Call – Trusted digital solutions and Cybersecurity in Health and Care

DT-ICT-13-2020 The smart hospital of the future

Presupuestos Totales *

- **Convocatoria SC1 2018:** 621,19 M€
- **Convocatoria SC1 2019:** 686,38 M€
- **Convocatoria SC1 2020:** 697,72 M€

*: pueden verse modificados

The participation of UK in European projects

- Until the UK leaves the EU, EU law continues to apply to and within the UK, when it comes to rights and obligations; this includes the eligibility of UK legal entities to fully participate and receive funding in Horizon 2020 actions.
- Be aware however that the eligibility criteria must be complied with for the entire duration of the grant.
- If the United Kingdom withdraws from the EU during the grant period without concluding an agreement with the EU ensuring in particular that British applicants continue to be eligible, UK partners will cease to be eligible to receive EU funding (while continuing, where possible, to participate) or be required to leave the project on the basis of Article 50 of the Grant Agreement.

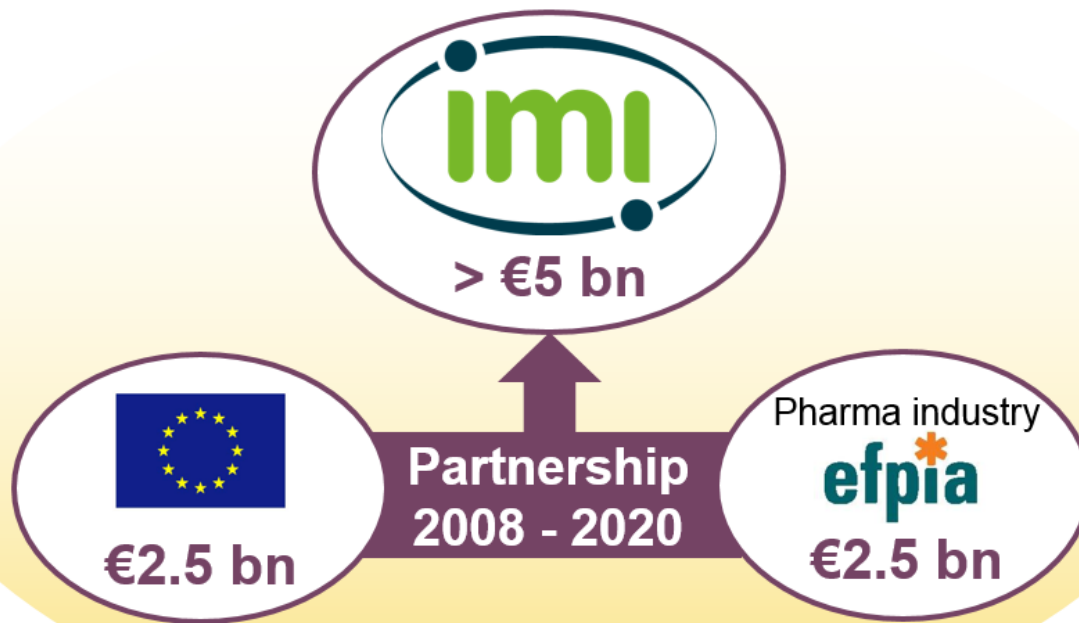
Source: http://ec.europa.eu/research/participants/docs/h2020-funding-guide/grants/applying-for-funding/find-partners_en.htm

Financiación de proyectos en otros programas de H2020

- NMBP-21-2018: Custom-made biological scaffolds for specific tissue regeneration and repair
- NMBP-22-2018: Osteo-articular tissues regeneration
- DT-NMBP-23-2020: Next generation organ-on-chip (RIA)
- SFS-04-2019/2020 Integrated health approaches and alternatives towards pesticide use
 - A. [2019]: Integration of plant protection in a Global Health approach
 - B. [2020] Biocidal and plant protection products
- SFS-16-2018 Towards more healthy and sustainable food



La Iniciativa de Medicamentos Innovadores 2



EU contribution from FP7 / H2020

Pharma contribution 'in kind'



Fuente: IMI

Hacia la 13ª convocatoria de IMI

- Assessment of the uniqueness of diabetic cardiomyopathy relative to other forms of heart failure using unbiased pheno-mapping approaches
- Genome-environment interactions in inflammatory skin disease
- The value of diagnostics to combat antimicrobial resistance by optimising antibiotic use
- Mitochondrial dysfunction in neurodegeneration
- Support and coordination action for the projects of the neurodegeneration area of the innovative medicines initiative
- A sustainable European induced pluripotent stem cell platform
- Linking digital assessment of mobility to clinical endpoints to drive regulatory acceptance and clinical practice
- Human tumour microenvironment immunoprofiling
- CONCEPTION – continuum of evidence from pregnancy exposures, reproductive toxicology and breastfeeding to improve outcomes now
- Improving the preclinical prediction of adverse effects of pharmaceuticals on the nervous system
- Translational safety biomarker pipeline (TRANSBIOLINE): enabling development and implementation of novel safety biomarkers in clinical trials and diagnosis of disease
- Federated and privacy-preserving machine learning in support of drug discovery
- Pilot programme on a clinical compound bank for repurposing

This programme includes the following topics:

- Cardiovascular diseases and diabetes
- Respiratory diseases
- Neurodegenerative diseases
- Rare/orphan diseases

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Información sobre convocatorias en: <http://eu-isciii.es>

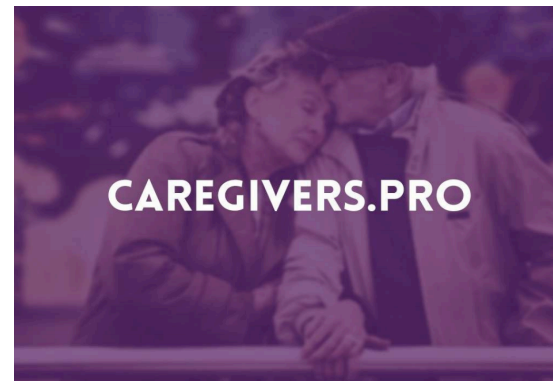




CAREGIVERS PRO

MMD

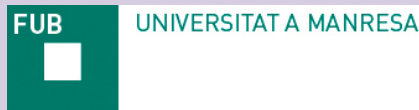
Self-management interventions and mutual assistance community services, helping people living with dementia and caregivers connect with others for evaluation, support and inspiration to improve the care experience



This project has received funding from European Union's Horizon 2020 research and innovation programme under grant agreement No 690211

Project identity card

Consortium



- H2020 Project (H2020-PHC-2015-25)
- Grant Agreement: 690211
- Research and Innovation action
- Start: January 1st, 2016
- Duration: 36 months
- EU Contribution: €4,087,198.75
- Target groups: People living with dementia, informal and professional caregivers, doctors, social workers

The aim of the project is to create an digital platform for People Living with Dementia (PLWD) and their caregivers that will provide value-added services based on social networks, tailored interventions, clinical strategies and gamification in order to improve quality of life, wellbeing and medication compliance of both of them.



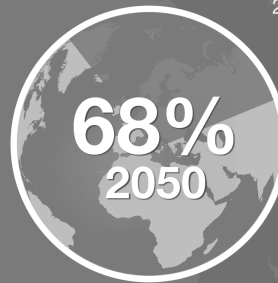
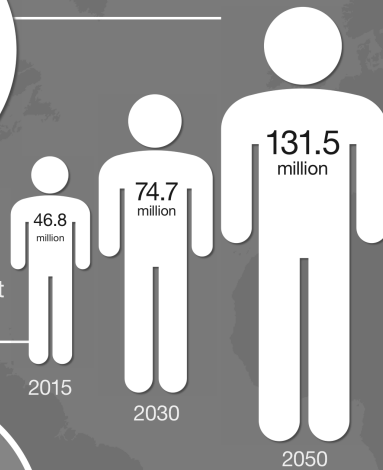
Project Background

The global impact of dementia



Around the world, there will be 9.9 million new cases of dementia in 2015, **one every 3 seconds**

46.8 million people worldwide are living with dementia in 2015. This number will almost double every 20 years.

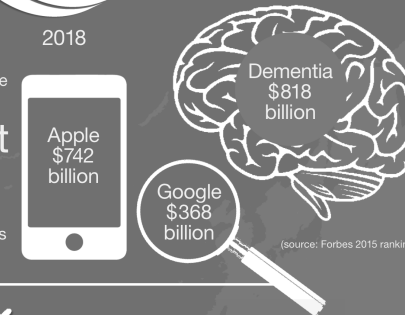


Much of the increase will take place in low and middle income countries (LMICs): in 2015, 58% of all people with dementia live in LMICs, rising to 63% in 2030 and 68% in 2050.



The total estimated worldwide cost of dementia in 2015 is US\$ 818 billion. By 2018, dementia will become a trillion dollar disease, rising to **US\$ 2 trillion by 2030**

If global dementia care were a country, it would be the **18th largest economy** in the world exceeding the market values of companies such as Apple and Google



This map shows the estimated number of people living with dementia in each world region in 2015.

We must now involve more countries and regions in the global action on dementia.



Alzheimer's Disease International

The global voice on dementia

The World Alzheimer Report 2015 was independently researched by King's College London and supported by Bupa.



Project Background

- **PLWD and their informal primary caregivers of PLWD form a dyad with interdependent social and health concerns**
- **This dyad has a multitude of needs that may remain undetected.**

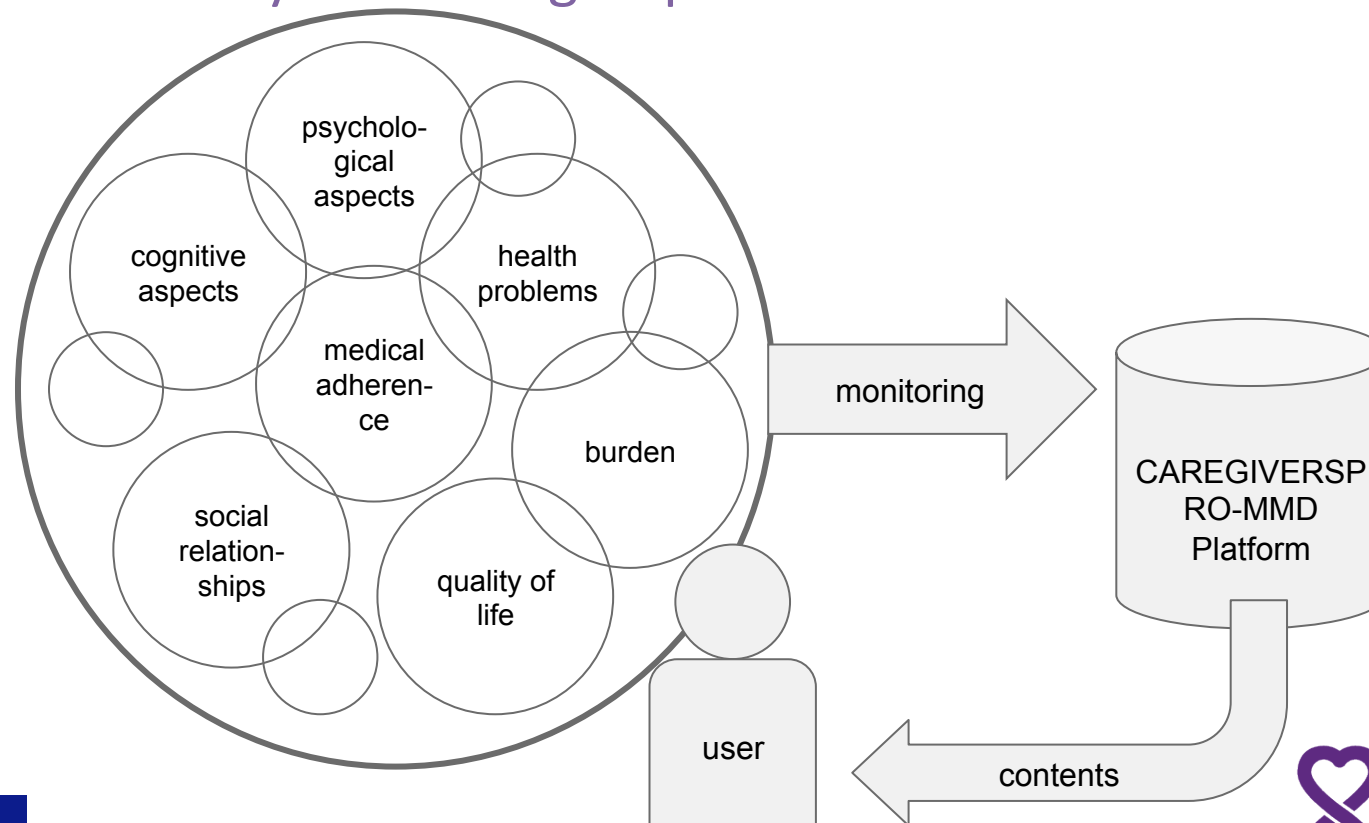


Supporting the dyad means **improving the quality of care and monitoring** delaying nurse home admission and the subjective **quality of life and health of its members**

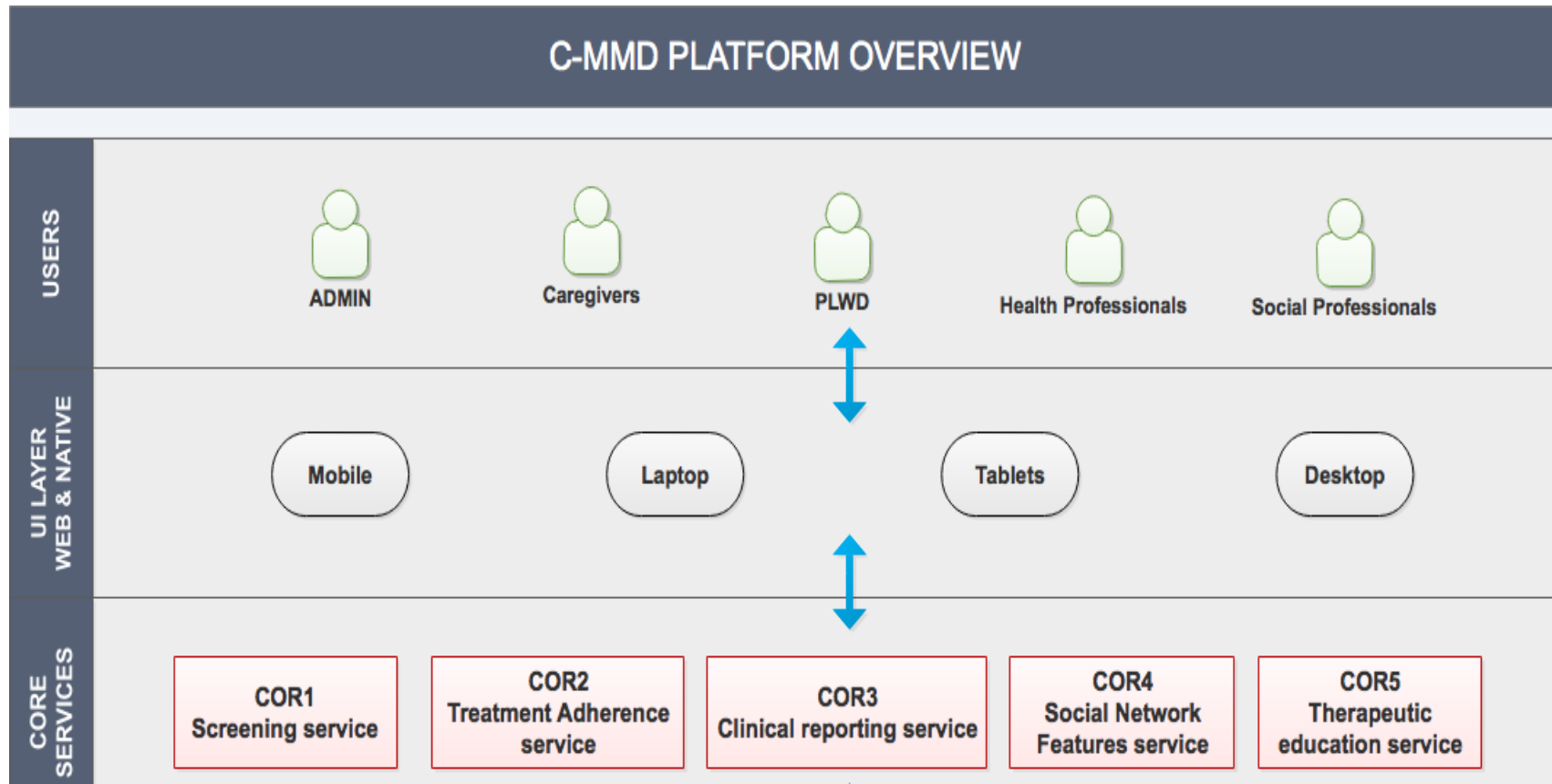


CAREGIVERSPRO-MMD solution

A digital platform for PLWD and their caregivers (unit of care), offering a selection of **both advanced and individually tailored services** that will improve the **quality of their lives, wellbeing and medication adherence** and enable them to live well in the community for as long as possible.



Basic characteristics



C-MMD platform users

Dyad: PLWD and their caregivers represent the main unit of care interacting with the platform.

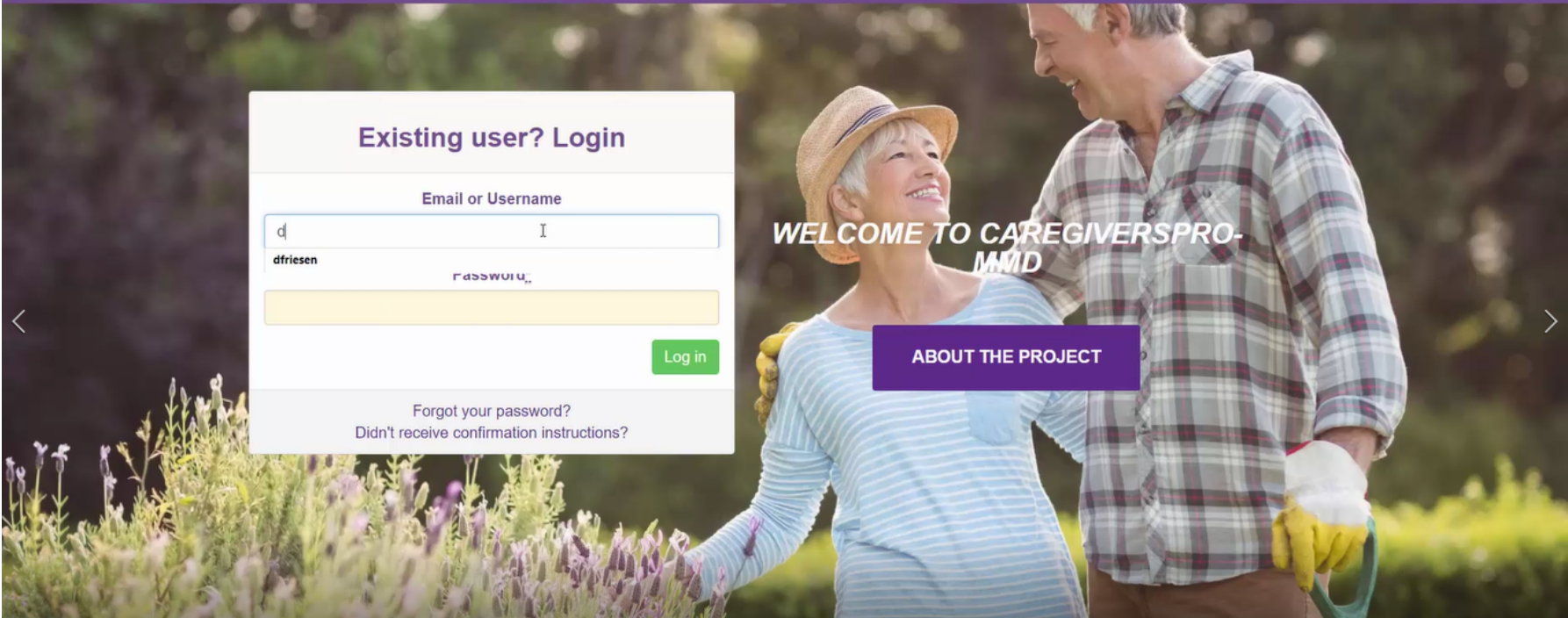
PLWD: People Living With Dementia, with Mild Cognitive Impairment, Mild Neurocognitive Disorders or Moderate Neurocognitive Disorders.

Caregivers: people providing support to PLWD, with or without a professional and formal background (e.g. informal or formal carer): family members, neighbours, friends, paid assistant.

Health Professionals: people with Health background, managing the health plan of the dyad, combining and dealing with health data for clinical assessment, diagnosis and treatment plans.

Social Professionals: people with Social background, managing the social plan of the dyad and the social dimension of the intervention and improving outcomes in dyads lives and relationships.



















Signed in successfully.

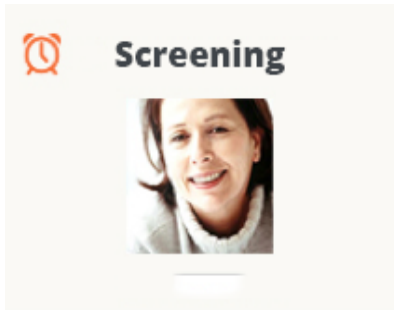
Welcome, David Friesen

Today is Tuesday, 19 Sep 2017 11:28

 My Diary	 My Friends	 My Wall	 My Appointments	 My Diary	 My Friends	 My Wall	 My Appointments	 Local information
 My health	 Advices And Support	 My Games	 My Notifications	 My Settings				

CAREGIVERSPRO-MMD Services

1. Social and clinical screening service



Please complete the evaluations below:



Get interactive information from the user through the use of the platform

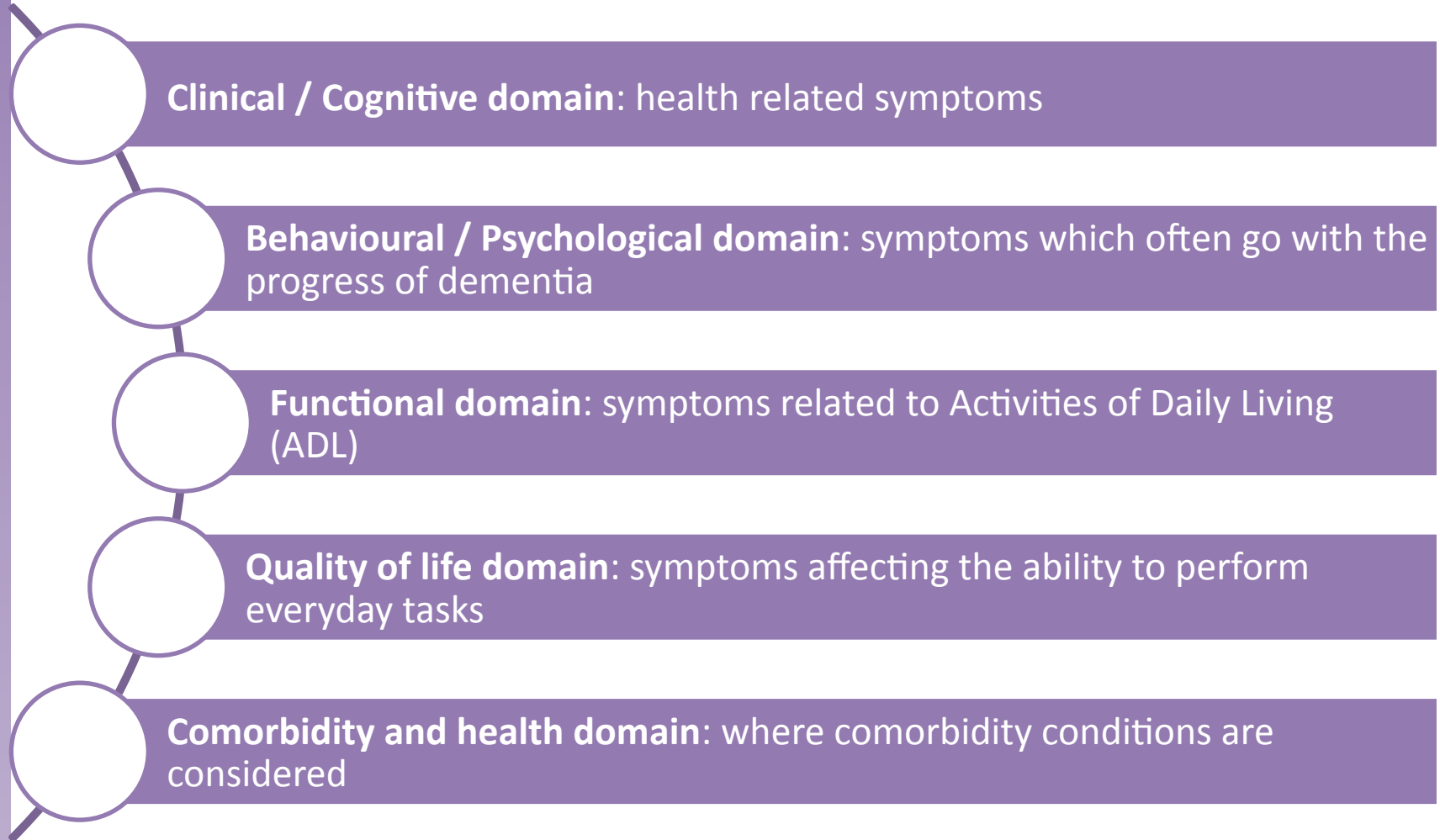
Online scales of:

- **scientific content** identifying symptoms of dementia and **psychiatric comorbidity** for patients, symptoms of **burnout** and **psychiatric comorbidity** for caregivers (Eq5D, DEMQOL, GDS, IADL etc.) and
- **non-scientific content** assessing well-being and QoL of both (weight, height, how do you feel today etc.).

Every feedback is valuable! (scrolls, likes, comments, etc.)



Symptoms Domains



CAREGIVERSPRO-MMD Services

2. Medical info and treatment adherence service

- **Monitoring of** treatment adherence level of both patients and caregivers.
- **Tailored interventions and educational programmes** based on compliance level, at the point of care in the community.



CAREGIVERSPRO-MMD Services

2. Medical info and treatment adherence service

The screenshot displays the 'David → Medications' section of the CaregiversPRO-MMD interface. It features a sidebar with navigation options: Home, Managed users, My network, Invite someone!, News Feed, My appointments, Local Resources, My profile, and Health Cafe. The main content area is divided into three numbered callouts:

- 1** Medications: Shows a list of medications for David. The first entry is ASPIRINA (Aspirin) for Mild Major NeuroCognitive Disorder, with a dosage of 500 mg and a frequency of 1 time a day. It includes a warning: 'Warning. May cause drowsiness' and a note: 'Swallowed whole, not chewed'. Action buttons for 'Picture', 'Edit', and 'delete' are visible.
- 2** Search and add medication for David: A search bar with the text 'vali' and a 'Search' button. Below the search bar, three medication cards are displayed: VALIUM Comp. 10 mg, VALIUM Sol. iny. 10 mg, and VALIUM 5 ROCHE Comp. 5 mg.
- 3** Alert (Medication): A section titled 'Alert (Medication)' containing four alerts for ASPIRINA. The first two alerts are red and indicate contraindications for severe renal and hepatic insufficiency. The last two alerts are yellow and indicate the need for medical supervision in cases of renal and hepatic dysfunction.



CAREGIVERSPRO-MMD Services

2. Medical info and treatment adherence service

Optional reminder system for patients and caregivers to take their medications. (dosage, frequency)

The screenshot shows the Caregivers PRO MMD mobile application interface. At the top, there is a dark grey header with the logo and text "Caregivers PRO MMD". Below this is a light blue bar with a user profile picture and the text "Bienvenue, David Friesen". The date and time "Today is Friday, 14 Jul 2017 10:16" are displayed in the center. There are two medication cards: a yellow one titled "Butterflies ..." with details "Pearson Park...", "14 Jul 11:00", and "friends"; and a green one titled "ASPIRINA" with details "Comp. 500 mg" and "111 time a day". At the bottom, there are four colored buttons: "My diary" (purple), "My Contacts" (pink), "My wall" (orange), and "My Appointr" (green).



CAREGIVERSPRO-MMD Services

3. Clinical reporting service

- **Corresponding** the symptoms, evaluation responses, and used intervention and supports with clinically meaningful information to the **health and social care professionals** to better manage their patients' and caregivers' care .
- Respect to professional's **time availability and support** everyday decision making



CAREGIVERSPRO-MMD Services

3. Clinical reporting service

Clinical reporting

CREATE GRAPHS
GDS-15, DEMQOL, GAD-7, Gamification points, Hall of Fame Points, Back to School Points, Social actions

CATEGO... PLWD GEND... All START DATE 10/1/2016 END DATE 2/28/2017

My patients

Filter by search

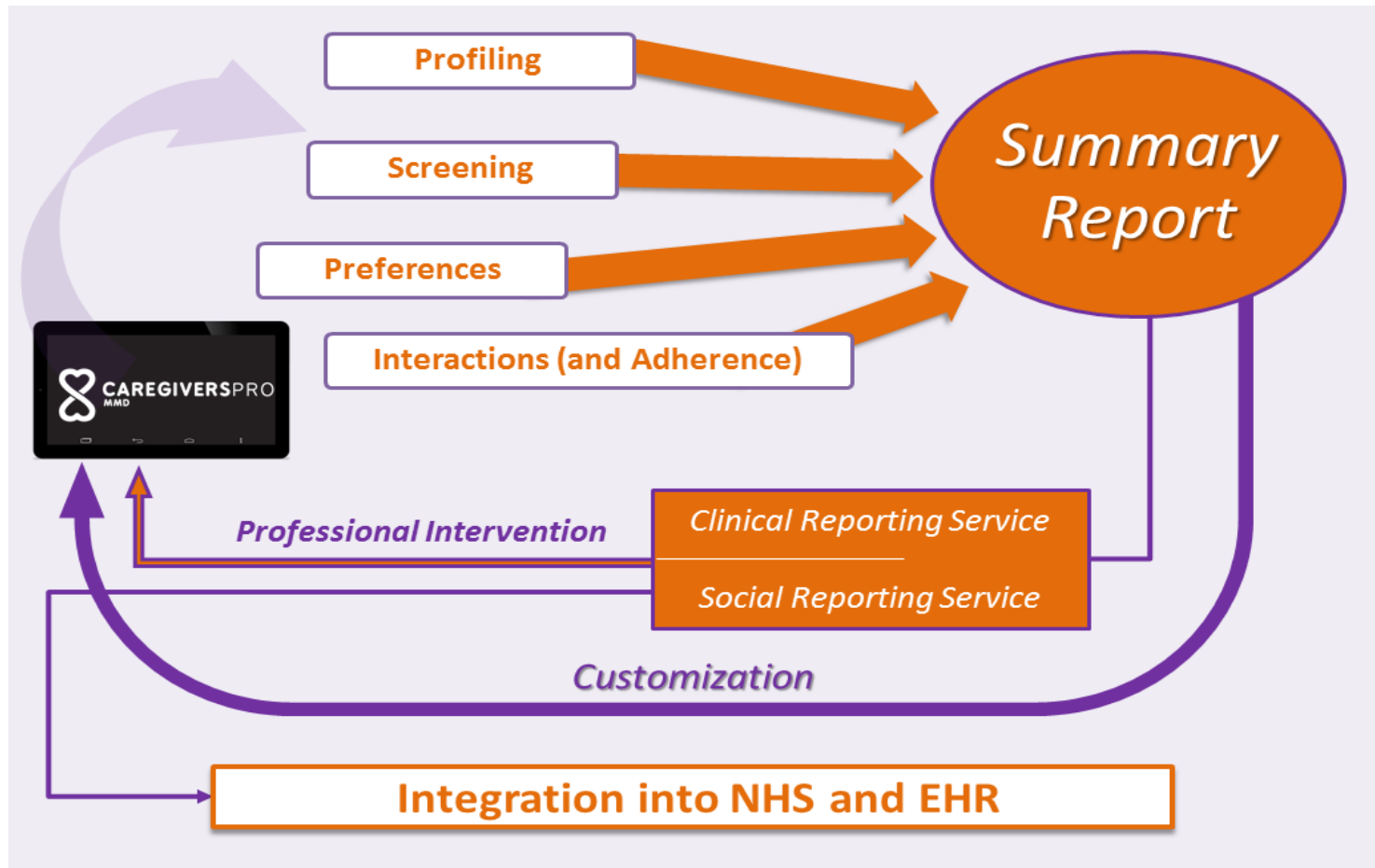
Choose users for visual analytics

<input type="checkbox"/>	User ID	Name	Age	Gender	Location	Category	Level	GDS-15	DEMQOL	GAD-7	IQCODE
<input type="checkbox"/>	1	Tessie Fadel	75	Female	Italy	PLWD	Mild	5	85	5	
<input type="checkbox"/>	3	David Friesen	65	Male	France	PLWD	Moderate	13	55	13	
<input type="checkbox"/>	5	Melyna Crist	82	Female	France	PLWD	Mild	12	85	12	
<input type="checkbox"/>	7	Ralph Brennan	55	Male	France	PLWD	Mild	-	-	-	
<input type="checkbox"/>	8	Evi plwd	52	Female	Greece	PLWD	Mild	-	-	-	
<input type="checkbox"/>	10	Evi prof	52	Female	France	PLWD	Mild	-	-	-	



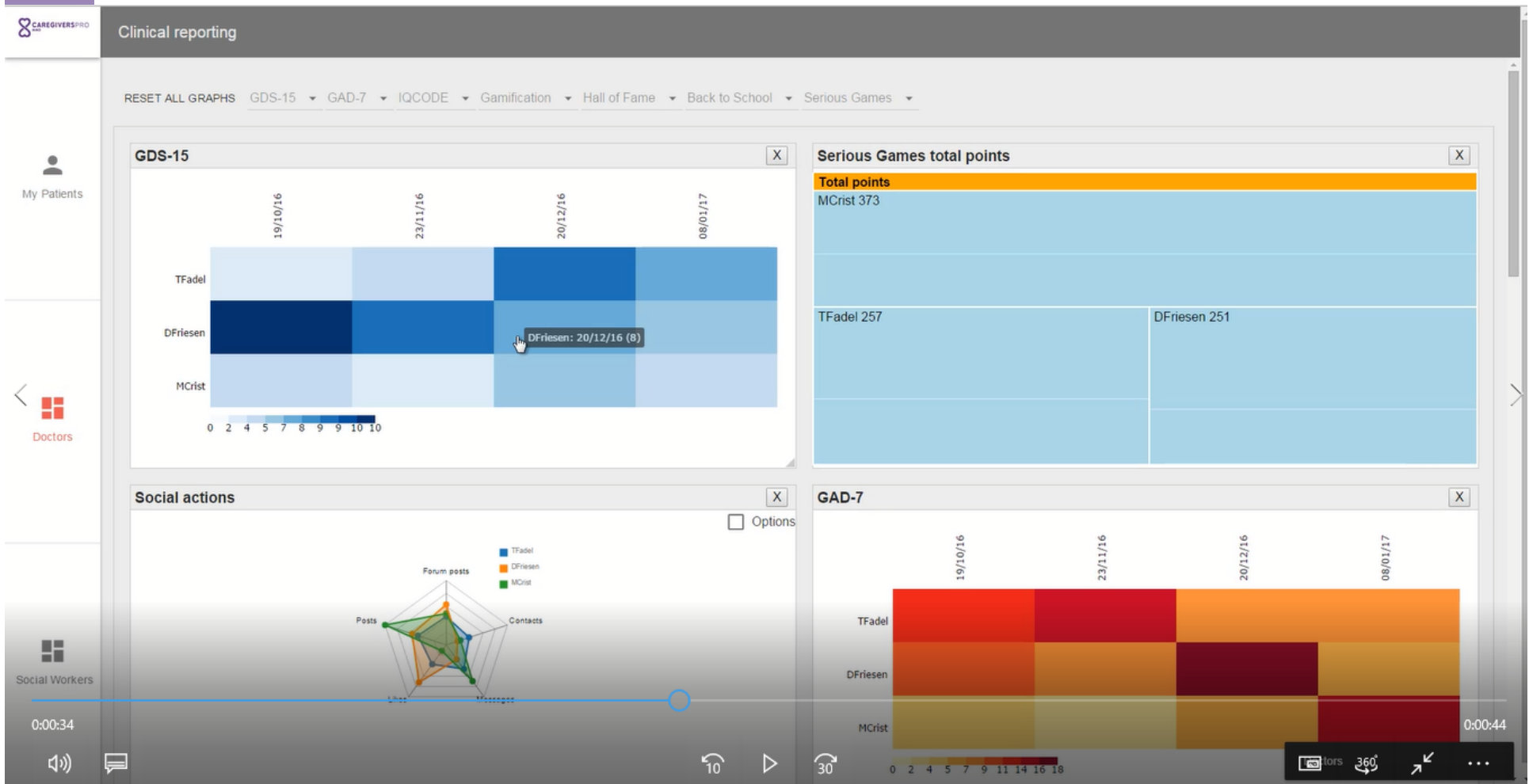
CAREGIVERSPRO-MMD Services

3. Clinical reporting service



CAREGIVERSPRO-MMD Services

3. Clinical reporting service



CAREGIVERSPRO-MMD Services

4. Social Network Features service

- Profile types: PWLD, HCP/SP, CG
- All users can make appointments, share contents, find friends, perform questionnaires...
- Cafes/forums
- Likes, comments, posts
- Managed users concept

My managed users Create user profiles

All users Caregivers Aidés Search For Users Search

Nom et Prénom	Picture	Status	Acciones
Tessie Fadel PLWD		Utilisateur Inactif	
Lula Weissnat Caregiver		Utilisateur Inactif	
David Friesen PLWD		Utilisateur Actif	
Yadira Dickens Caregiver		Utilisateur Inactif	
Melyna Crist PLWD		Utilisateur Inactif	
Hobart Friesen Caregiver		Utilisateur Actif	

Who are you connected to?

The whole person is at the centre of everything we do. We know that loneliness is a growing issue and have seen the devastating impact it has on older people. We also know that the issue of loneliness cannot be solved by us alone, which is why we're asking everyone to Be a Friend and help change the future of loneliness.

My friends

Derrick Homenick
Health professional

Yadira Dickens
Caregiver

Shayne Corwin



CAREGIVERSPRO-MMD Services

5. Therapeutic education and educational intervention service

- ***Generic intervention strategy:*** focused on dementia disease, dementia and psychiatric comorbidity symptoms and available resources.
- ***User-tailored intervention strategy:*** triggered on the basis of screening, preferences and recommender systems.



CAREGIVERSPRO-MMD Services

5. Therapeutic education and educational intervention service

Non- pharmacological, psychosocial interventions focusing on improving the quality of life

Intervention	Domain
Dementia Advisors	Information and adjustment to diagnosis
Post Diagnostic Groups	
Signposting	
Peer Support Groups	Stress, anxiety or depression management
Stress/Anxiety management	
Reminiscence	
Assistive Technology: advice and support	Improving and maintaining cognitive functioning
Cognitive Training (CT)	
Physical Exercise therapy	Health and quality of life
Fall prevention	
Home modification	
Music Therapy	



5. Therapeutic education and educational intervention service

Information on local services

Access to available health and social services (social secretariat, mutual help groups, medical aids provider)

Personal advice

Suggestions about activities to carry out (e.g. tailored activities, WHO's list of healthy activities, etc.)

Practical suggestions

Hints about healthy behaviours to adopt (e.g. nutrition, physical activities, fall prevention, etc.)

Seminar/conference

Public events and debates on C-MMD topics (e.g. seminars on Alzheimer world day, workshop with specialists, shows, etc.)

Training event

Formal and informal training initiatives on C-MMD topics (e.g. webinars, training events for volunteers, etc.)

Monitoring tools

Provision of new scales or remind about scales to repeat (e.g. to monitor progresses, to detect changes, etc.)

Personal experience

Stories, testimonials and experiences (e.g. caregivers' story, specialists telling how to deal with symptoms, etc.)

External Resources

Links to external source of contents (e.g. cognitive games and app, ICT devices, movies, etc.)

Entertainment solutions

Interactive activities inspired by Cognitive Training games (e.g. brain fitness, memory workout, attention, etc.)

Reward system

Awarding features, based on gamification engine and on interaction (e.g. quests, levels, missions, etc.)



5. Therapeutic education and educational intervention service

GAMES

- **Interactive interventions** and concepts, simple to learn and to use, combined with **fun elements** in multiple languages
- **Rewarding schemes**
- **Health care professionals may create more games**



Increase the interest of end-users (PLWD and caregivers) on using the platform



5. Therapeutic education and educational intervention service

GAMES

CAREGIVERSPRO MMD David Friesen

Home My Diary My Friends My Wall My appointments Local Information My Health Advice and Support Games Notifications Settings

OVERALL PARTICIPATION 100% POINTS 318 BADGES 0 FOLLOWERS 5

All Games

Show 10 entries Search: Games Statistics

Name	Description	Enrollment	Functions
Social Collaboration	This game is used to motivate social interactions between the social platform users.	Yes	
Treatment Adherence	This game is for users who pay attention to their treatment adherence and are willing to take advantage of this.	Yes	

Showing 1 to 2 of 2 entries

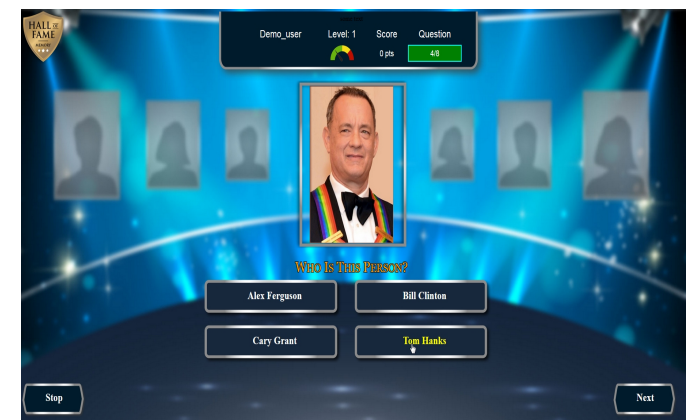
Previous 1 Next



CAREGIVERSPRO-MMD Services

5. Gamification service- Serious games for brain fit

- Long term memory training game
- Language and memory training game
- Multiple cognitive training and problem solving game
- Social collaboration game
- Treatment adherence game



Pilot Study

- Pilots assess dyads (***patient and informal caregiver***) on admission throughout a comprehensive geriatric assessment using standardized scales.



Expected benefits for all stakeholders

People living with dementia

- **Personalised care plan**, offering a combination of medication, behavioural and alternative treatment optimised to their personal needs. Constantly available **route to indicate changes** in well-being, allowing **fast adjustment of care plan**.

Caregivers

- Continuous and easy **monitoring of patients** reducing necessary time spent. **Support by professionals** to manage carer's own mental / physical well-being. **Personalised care plan**, offering a combination of medication, behavioural and alternative treatment optimised to their personal needs. **Reduce stress and burn-out** phenomena.



Expected benefits for all stakeholders

Healthcare professionals

- **Less time spent** on administration, including data collection on patients and caregivers well-being. **Decision support** of treatment options, **correlations with behavioural changes** and **association with medical, psychological and social changes**, allowing future improvement in care plans and preventive interventions.

Social worker professionals

- **Better understanding** on elderly user evolution, behavioural changes and social participation. Intervention that **facilitates monitoring, interaction and patient engagement** in society.



Expected benefits for all stakeholders

Overall healthcare system

- Reduces hospitalisations of patients and caregivers. Delayed need for patient to enter care homes.

Follow us in:



Caregiverspro-Mmd project



@Caregiverspromd



CAREGIVERSPRO_MMD Project (group)



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