

2022

Management Report

CHRC.

COMPREHENSIVE HEALTH
RESEARCH CENTRE



Escola Nacional
de Saúde Pública

UNIVERSIDADE NOVA DE LISBOA



UNIVERSIDADE
DE ÉVORA



LISBON INSTITUTE
of Global Mental Health



HOSPITAL DE SANTO ESPÍRITO
DA ILHA TERCEIRA, E.P.E.R.

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EXECUTIVE SUMMARY

Comprehensive Health Research Centre (CHRC) is a new, national centre of excellence providing a unifying environment for innovation and education in public health, lifestyles, nursing, rehabilitation, and clinical research.

CHRC gathered in 2022 a total of 190 integrated PhD Researchers, 110 PhD students, and 50 integrated non-PhD researchers and technicians. CHRC grew in the number of people involved, presenting an increase of 5,6% in integrated PhD researchers and 26,4% in PhD students.

Regarding scientific impact indicators in 2022, CHRC presented a total of 456 publications. More than a half of this number (260) are scientific articles published in high-impact journals.

The CHRC PhD integrated researchers are involved, as principal investigators or participants, in 85 national and international projects, equivalent globally to 67M €.

Integrated members of the CHRC are involved with several networks and working groups, as well as been performing numerous activities initiatives, actions, and activities in collaboration with international consortia, at European and global levels, related to all CHRC thematic lines.

In 2022, CHRC researchers keep and improved their participation civil societies or scientific organizations, carried out many activities that contribute to disseminating scientific knowledge in civil society, and provided services to the community.

CHRC has defined its strategy around three main strings: platforms for technical and administrative assistance, platforms for scientific support and training, and annual structural initiatives. In 2022 all these initiatives were in place and fulfilling their mission supporting CHRC researchers and is promoting the enhancement of collaborative and interdisciplinary research for better outcomes in health.

1. STRATEGY EXECUTION

CHRC is committed to producing innovative, preventive, and treatment strategies and healthcare delivery based on robust evidence to improve individual and public health, around five principal fields:

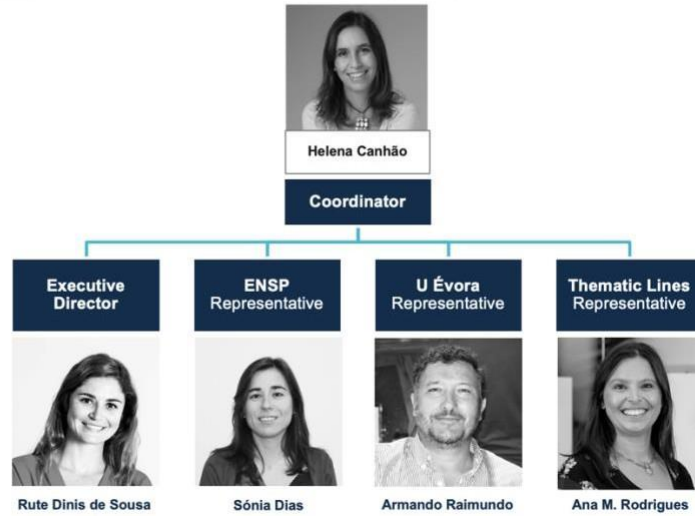
- I) Health promotion,
- II) Lifestyles in healthcare,
- III) High burden and high mortality diseases,
- IV) Health policies and healthcare services research, and
- V) Health innovation.

Thematic lines



CHRC was established to capacitate researchers and give them all means necessary to provide the best multidisciplinary environment to achieve the best outcomes. To pursue this broad objective, the CHRC strategy was designed by its Executive Committee:

CHRC Executive Committee



CHRC strategy is grounded on three strings:

1) Platforms for technical and administrative assistance

Platforms for technical and administrative assistance



**Executive and
Management Office**



Funding Office



**Communication
Office**

- **Executive and management office**

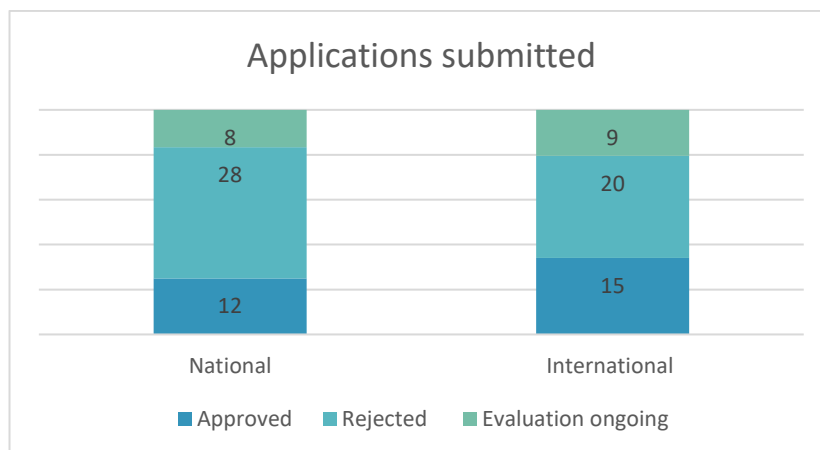
Aims: To manage day-to-day operations, coordinate and manage technical and administrative teams; control costs; prepare regular performance reports; supervise communication and dissemination initiatives and implement best management practices; develop and disseminate the Unit's strategy and mission to all members and technical and administrative teams, and promote fundraising.

- **Funding office**

Aim: To boost researchers fundraising by helping them to know and prepare proposals for applying for national, international, and structural funding.

The Funding Office (FO) was created to help CHRC researchers fundraise for their projects, by increasing their chances to get highly competitive R&D funding, either at the national or international level, in all the thematic lines of CHRC.

In 2022 the Funding Office (FO) continued to support researchers in their project applications. This year we support 94 applications for funding, 28 national and 26 international: 27 approved, 48 not approved, 17 in evaluation process and 2 were not submitted in the final stages.



Of those approved, three are financed by PRR - Recovery and Resilience Plan, one FLAD Science Award Mental Health award, four from Horizon Europe (RIA/CSA), one from Interreg program (POCTEP), one from healthy university (University of Évora),

another from Portuguese Institute of Sports and Youth I.P., and one award from the Pediatrics Portuguese Society. Of the applications being evaluated four are consortia coordinated by CHRC researchers and institutions (Interreg POCTEP, Interreg SUDOE, and Erasmus + KA2). The FLAD Science Award Mental Health award is being led by one CHRC member from the Lisbon Institute of Global Mental Health (LIGMH).

Considering the needs of CHRC members we will continue to promote thematic workshops to the CHRC researchers (namely “Coffee Break with Funding”): one related to SR&TD and PeX projects promoted by FCT and another regarding the 5th Edition of Stimulus for Scientific Employment program (CEEC). In 2022, the Funding Office (FO) staff, together with the Education and Training office, promoted two editions of the course “Untangling funding applications for European opportunities: brainstorming of ideas, management and consortia” with the aim of capacitating CHRC members in preparing and submitting a good proposal for COST actions and Horizon Europe (Health Cluster) applications: one in Lisbon and another in Évora. We were also present in several online workshops about different typologies of research grants and projects.

2 Coffee break with Funding

2 Editions of “Untangling funding applications for European opportunities”

- **Communication office**

Aims: To ensure the communication and dissemination of information between the management units of CHRC, and all external stakeholders – partners and peers from scientific community, as well as civil society.

The Communication Office of CHRC came into operation in December 2021, starting the year of 2022 with the communication of its opening to CHRC integrated researchers who were an important factor in publicizing the center and their work carried out within its scope. Digital channels were created and optimized, the website was streamlined with the contents of events and news related to CHRC, such as published works, Grants (from the CHRC and others), “ongoing” projects, award-winning projects or research work, national and international partnerships and consortia with important institutions in the field of health and research.

2022 was a year of Communication Office research about the communication needs of CHRC, adapting its strategy throughout the year as necessary. Various internal communication strategies were tested with the center's researchers, with the intention of sorting out the most effective internal communications for implementation. After a few months, a linearity of internal communication was created, based on the strategy that proved to be the most effective. During the period of 2022, the professional relationship with the researchers became closer, which made it easier for the CHRC Communication Office to follow up on works, events, awards, communication in media channels, Consortia and partnerships consolidation, etc. This resulted in a current flow of content and news on the website and social media channels, spreading the word more easily about CHRC work and research.

To increase the horizon of “spreading the word”, it was made a partnership with some Communication Offices from the CHRC management institutions, specially with NOVA Medical School Communication office, identifying the work and projects of the NMS Professors and simultaneously research members of CHRC. The objective was to create

effectiveness to disseminate the news in both digital communities around NOVA Medical School and CHRC.

After building a solid CHRC Communication base, the outcome was truly positive. The CHRC channels began to be followed by renowned national and international institutions and researchers and with their interaction with our content, the existence and importance of CHRC began to be recognized across borders. This was an excellent opportunity to wide our targeting to general Health Research institutions and researchers external to our research center. After this new strategy was implemented, it allowed the Communication office to start planning the first small steps to reach the general public as target audience before the end of 2022.

- **Internal CHRC Communication**

The year of 2022 started with the implementation of some strategies to reach researchers integrated in the CHRC, with the aim of keeping them informed about what was happening within the research center, from dissemination of work and projects, funding opportunities, participation in events, submission of works/papers, “save the date”, participation in special issues, etc. It was a priority to get all important information to the CHRC researchers, to make available some tools and information useful for their work. This was the priority objective when the Communication Office was opened.

The tools that were used to initiate the internal communication were:

Monthly Newsletter

In the end of every month, it was gathered all the news, opportunities, publications and event dates to keep researchers up to date on what is happening inside CHRC;

At the beginning, more prominence was given to Highlights and during the year of 2022, it was analyzed which information would be crucial to share with our researchers. During this year, it was created more important fields like Opportunities (Funding, Special Issues, etc.), Publications on scientific journals from CHRC researchers and “Save the Date” from all the CHRC events.

Occasional Email Communications

Whenever there was important news or opportunities that could not wait for the date of the Newsletter, dissemination emails were created within categories such as [Information], [Important information], [Opportunities], [Event], [Action needed].

Private Area on CHRC website

The Private Area on CHRC website was opened exclusively for integrated CHRC members with the aim of sharing internal CHRC documents such as presentations, opportunities, regulations, etc. 181 accesses were made to the CHRC Private Area through 2022.

- **NEWS & COMMUNICATIONS**

In the year of 2022, was opened several digital platforms to “spread the word” about the work and achievements of CHRC. The Communication office improved the essential follow-up of the most impactful news about the researchers work and achievements. The main content communicated was published work and research within the scope of CHRC, awards, grants, events organized by the research center, projects with high impact on Health research, important partnerships and consortia built during the year of 2022.

CHRC COMMUNICATIONS PUBLISHED

154

CHRC total publications

114

CHRC News published

15

Events

16

Opportunities

6

Training

3

CHRC Grants

CHRC News: Awarded, funded and ongoing projects, Partnerships and Consortia, high impact research publications, highlights of CHRC events, interviews about CHRC projects/work, projects, “SAVE THE DATE”;

Events: 2nd and 3rd CHRC Annual Summit, international seminars, webinars, and workshops on the topic of Health: challenges, digital tools and innovation, Impact of external factors and policies, etc.

Opportunities: CHRC and other institutions Grants, invitation for important international and national conferences and events, special issues opportunities, call for papers, work submissions, etc.

Training: CHRC Education & Training Opportunities like Funding, Project management in Health, Mixed methods. Training in other institutions: Data Science, intellectual property, etc.

CHRC Grants:

- 1st and 2nd edition of “Digital Transformation – Are you Ready?” – Digital Health Executive Course*;
- CHRC Research Grants 2022*.

*regulation published on the CHRC website: <https://www.chrc.pt/en/chrc/about-us>

• DIGITAL PLATFORMS FOR CHRC COMMUNICATION

- CHRC WEBSITE

The Comprehensive Health Research Center official website was released in the end of 2021 and started to take full speed on contents about the research center news and events in 2022.

What was made to optimize the numbers on the website? Keeping it updated with fresh content and news, using keywords related to the main target (research institutions and professionals) with the aim of increasing traffic on the website through organic search and sharing its content on the social media networks to facilitate the “spread the word” concept. The success of this strategy was confirmed, through the **increase of the traffic to the website, both through organic search (search engines) and direct (access to the direct URLs shared on social media channels).**

All the essential parameters from the year 2022:



News articles

114



Unique visitors
8.445



Reach
69.300 impressions



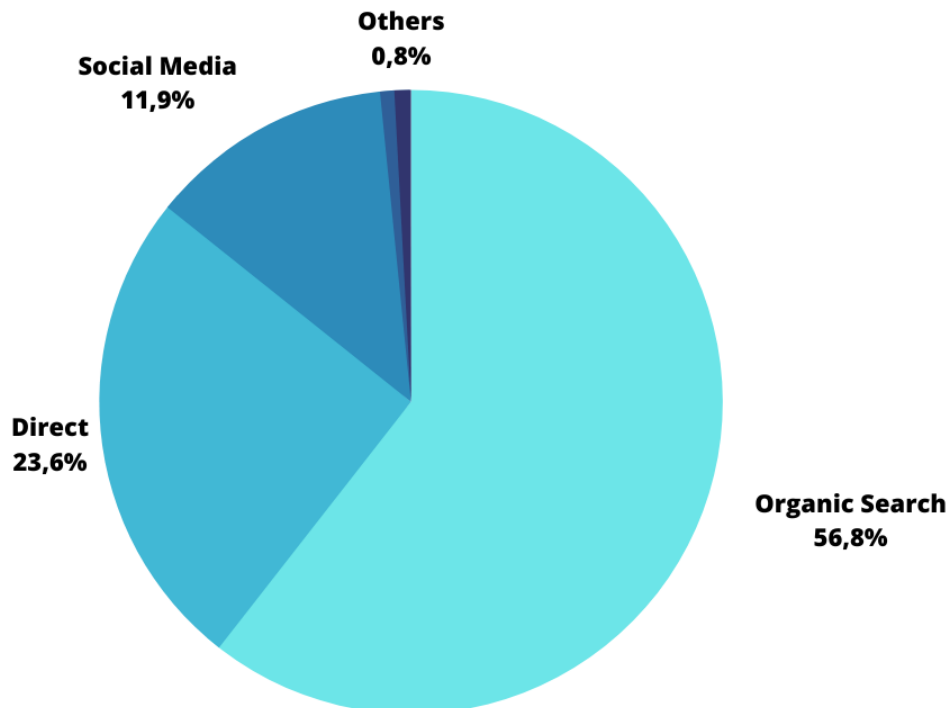
Page views
23.660



Interactions
6.590

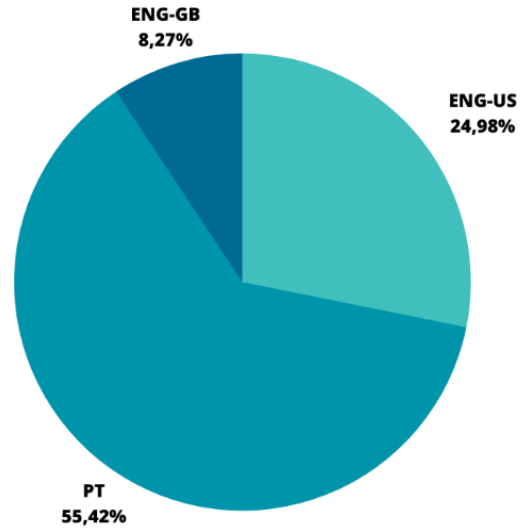
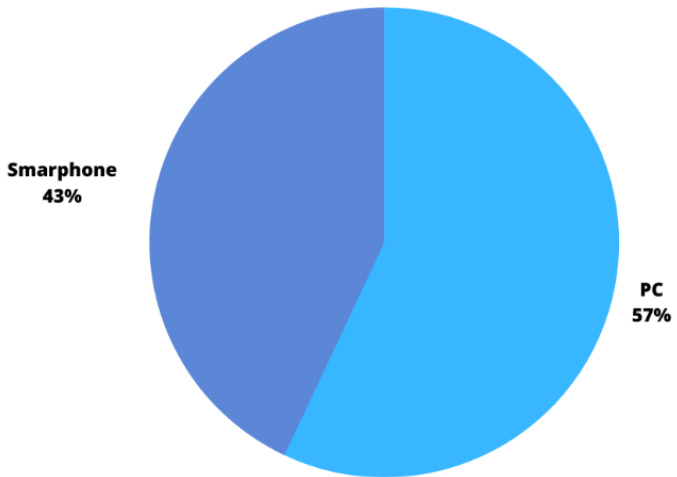
Traffic Acquisition

How did the visitors reached the website?



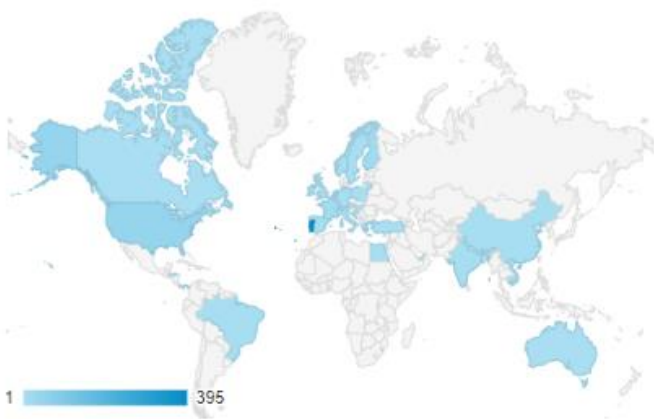
What are the prevalent languages of those who visited the website?

Through wich devices?

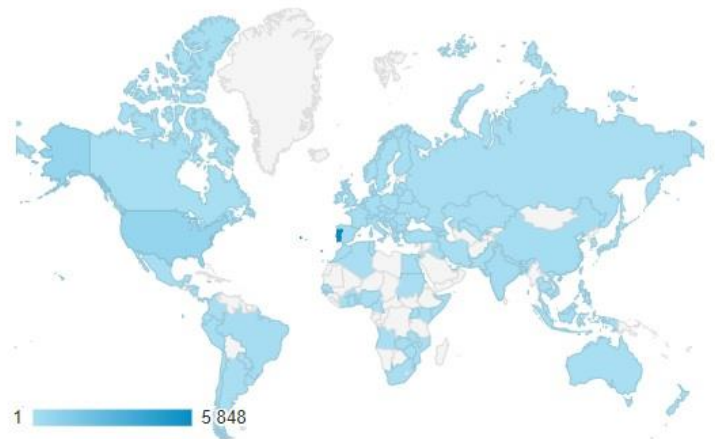


Where is located our public from 2022?

January 2022



December 2022



These data conclude that CHRC has a strong presence in Portugal. However, during the year of 2022, the research center began to be known across the world. As it can be

perceived in the world map, at the end of the year of 2022, CHRC reached a lot of countries comparing to the beginning of the same year.

TOP 5

Portugal: 5 848 unique users

EU (- Portugal): 1 105 unique users

USA: 699 unique users

UK: 126 users

Brazil: 112 users

IMPORTANT NOTE: given the fact that the organic search was the main vehicle for generating traffic on the website, it's important to note that the highest growth via organic search happened in the last three months of the year!

+44% ↑

- **CHRC Social Media**

The social media channels of CHRC were officially opened in the beginning of 2022, with the purpose to create initially an online internal research community around CHRC and to use them as a tool to share the content of the website. The social media channels of CHRC are Facebook, Twitter and LinkedIn.

Over the year, the Communication Office started to optimize the content shared on these channels as soon as it was noticed that external research institutions or researchers started to follow closely CHRC. Over the course of 2022, the close monitoring of CHRC work and researchers was improved, whereby the number of contents increased substantially and disseminated more frequently.

Communication Office started to identify the research institutions and scientific journals where our researchers were involved in publications, project, etc. As soon as we start to “tag” them, these entities started to follow CHRC social media channels, as well interacting with the content share in the social platforms. This helped spreading the name of CHRC outside national ground.

Total numbers of CHRC Social Media Channels 2022

3

Social Media Channels
Facebook, Twitter, LinkedIn

569

Publications

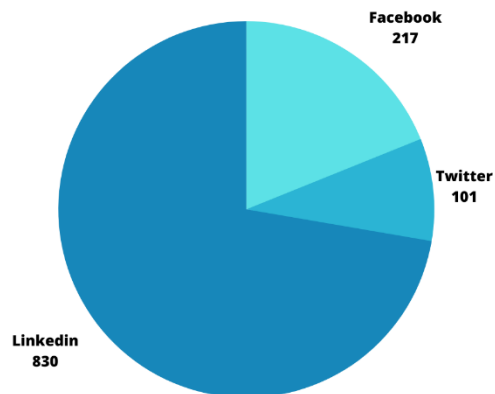
1 148

Total followers

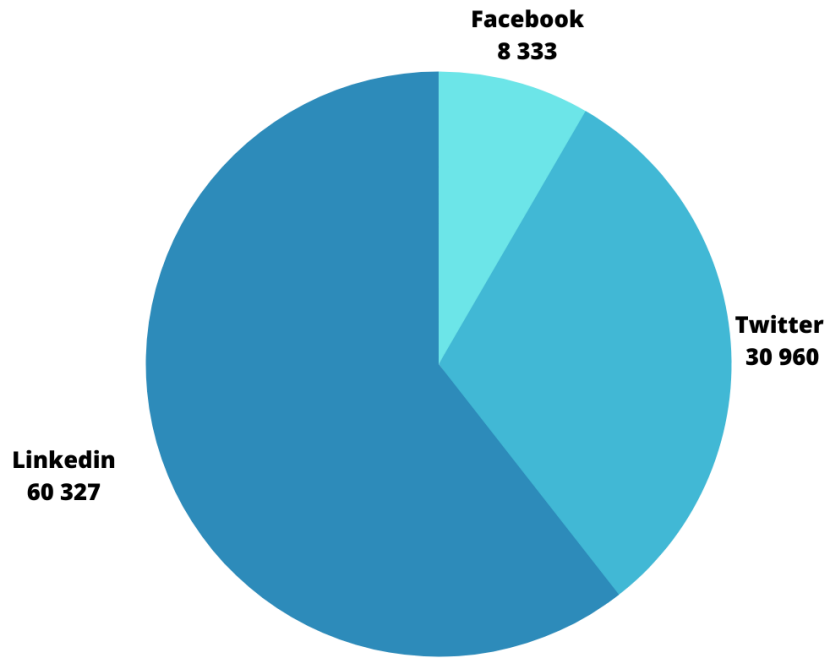
99 620

People reached

Followers



How many people were reached?



Publications on CHRC Social media Channels



CHRC Social channels were a great communication Support for the website, news, opportunities for our researchers, “save the dates” and to share the content in real time about CHRC events like the Annual Summit. At the end, the communication through

these online platforms reached organically almost 100K users without the help of ads. The most successful content was about the CHRC Annual Summits, being its digital contents responsible for an increase of followers and interaction around CHRC. LinkedIn was the most successful online platform with a great engaging in the content mostly about the scientific works, news and “save the date”. This means that the target audience within health research has been reached as LinkedIn is a great platform for professional environments and professional targeting. Twitter and Facebook were used most to increase the reach of a vaster community and to generate more interaction with CHRC online contents.

- **FINAL CONCLUSION**

2022 was a year when the CHRC Communication Office started to work on strategies and platforms to communicate effectively CHRC to the online communities.

After 1 year...

CHRC has its name out of Portuguese borders.

- Have important followers in healthcare.
- Thousands of users who have accessed to the content and news about the research center.
- Was generated 1 148 unique users who have constant access to the information on the communication platforms of CHRC.
- The internal communication strategies were implemented with success.
- CHRC started to have an audience outside the science community.

2022 was an important year to understand the communication needs of CHRC and its researchers. Several strategies were implemented from scratch, an effort was made to create a close professional relationship with researchers, they were also encouraged to share the news about projects, publications, etc. This culminated in good results after a detailed analysis of numbers on online platforms and allowed the integrated members to realize that they could count on the support of the Communication Office to get tools that are essential to the communication of their work.

2) Platforms for scientific support and training

Platforms for scientific support and training



**Center of Education
and Training**



**Methods and Data
Analysis Office**



CHAIN Biobank

- **Centre of training and education**

Aims: To support the creation of teaching and advanced training opportunities for researchers and students at the CHRC.

The Education and Training (E&T) Office is a specialized office at CHRC. First, it aims to build a community of practice among CHRC members. Second, it aims to create opportunities for lifelong development of CHRC members. Third, it supports the development of innovative, competitive post-graduate training programmes, streamlining the cooperation among involved institutions and international institutions. In 2022, the core team consisted of Sílvia Lopes (ENSP), Jorge Bravo (UÉvora) and Bruno Heleno (NMS) with the close support of the CHRC Executive Director Rute Dinis de Sousa and from Sónia Viegas who provides clerical support.

Main activities

- Following a training needs assessment survey that was e-mailed to CHRC researchers' and Staff, the E&T Office developed the following training actions in 2022.

- Mixed Methods – Integrating quantitative and qualitative methods (October 12, 2022). This was a 4 hours' course (4 hours of contact, 0 hours of autonomous work), without formal summative assessment, organized by Mário Santos from the Methods and Data Analysis Office at ENSP. Eight (8) students successfully completed the course that took place at ENSP.
- Untangling funding applications for European Opportunities (December 12, 2022), was an 8 hours' course (8 hours of contact, 0 hours of autonomous work), without formal summative assessment, organized by Rui Raimundo and Rita Rua Ferreira from the Funding Office. Eight (8) students successfully completed the course that took place at ENSP.
- A small course evaluation survey was mailed after each course. All participants rated the courses positively, stating that they were “likely to recommend” or “very likely to recommend”.
- Also informed by the training needs assessment survey, we also planned training actions for the first trimester of 2023
 - Project management in health (January 25, 26 and 27, 2023). This will be a 6 hours' course (6 hours of contact, 0 hours of autonomous work), without formal summative assessment, organized by Rute Sousa from the NMS. This course will be based on remote, synchronous learning.
 - Untangling funding applications for European Opportunities (February 1, 2023), an 8 hours' course (8 hours of contact), without formal summative assessment, organized by Rui Raimundo and Rita Rua Ferreira from the Funding Office. This course will take place at UÉvora.
- Internal organization
 - We defined internal processes related to course registration, participation certificates.
 - We clarified roles and responsibilities within the office
 - An e-mail for the office was created: training@chrc.pt

Deviations of the planned actions

- Orientation course and registry of research interests. The function of the orientation course and the registry were superseded by the new CHRC website. Many of the contents developed for the course were recycled to be used in the website.

- Common procedures for CHRC research internships. This task was not yet started as it was given lower priority compared with the development of training actions.

Main challenges

During 2021, the E&T Office had implemented very little of its action plan. In 2022, we discussed challenges, barriers, and strategies to overcome them. This helped the Office to plan, organize, coordinate and control 3 training actions based on the results of a survey to CHRC members.

The current challenges faced by the training office include 1) a low participation of CHRC members in the training actions; 2) “no shows”, i.e. a large number of people who register for a training action do not attend. We are trying to improve communication with potential participants and confirming attendance prior to the training action.

- **Methods and data analysis office**

Aims: To assist with quantitative and qualitative methods of data analysis.

The area dedicated to quantitative methodologies of the Methods and Data Analysis Office of the CHRC developed the following activities in 2022:

Preparation of materials and lecturing in the Curricular Unit Advanced Research Methodologies I of the PhD in Health Sciences and Technologies and Welfare of the University of Évora - CHRC.

A survey of the main methodologies used by the 21 research groups of the research groups of the CHRC.

Collaboration with different project teams, mainly focused on data analysis and writing of reports and scientific papers.

Methodological consultancy for researchers and students from different institutions (ENSP, NMS, University of Évora and Hospital of Santo Espírito da Ilha Terceira).

Specifically, support was provided in the following activities:

Collaboration with the Index of Stigma among People Living with HIV (Stigma Index 2.0) project team - setting up the database, training of staff and supervision of entering survey

data into the database, data analysis, collaboration in writing and reviewing the report and preparing the public presentation.

Collaboration with the team of the project *The Impact of the use of iron carboxymaltose in the optimization of preoperative haemoglobin in Patient Blood Management in Portuguese hospitals* - data analysis, report writing and revision, article writing; resulted in the following publication:

Lucas, J., Costa, E., Subtil, A., Sequeira, R., Fernandes, A.C., Nunes, A.R., Sousa, P. (2022). Clinical, economical and safety impact of ferric carboxymaltose use in Patient Blood Management programme in Portuguese National Health Service hospitals. *Scientific Reports*, **12**, 19335. <https://www.nature.com/articles/s41598-022-21929-3>.

Collaboration with the project team of the Municipal Health Plan and Development Plan for the Health and Well-Being Cluster of the municipality of Lagos - data analysis, report writing.

Collaboration with the team of a study developed by VOH.CoLAB aiming the analysis of critical incidents in patients with and without telemonitoring - data analysis and methodological support.

Collaboration with the *Voices* project team - validation of questionnaire.

Submission of an application to Horizon Europe of the SAFEST project, under the coordination of Professor Andreia Leite from ENSP - support in literature review.

Submission of an application to Horizon Europe of a project coordinated by Professor Lara Pinho from the University of Évora, addressing the study of metacognitive training for older people with depression (MCT-Silver) - sample size calculation for a multicenter clinical trial.

Collaboration with the PLACE (Alcohol Related Problems in Emergency Shelters) project team - data analysis, article writing.

Support to PhD student Catarina Gouveia, NOVA Medical School (NMS) - data analysis, with development of logistic regression models for data on osteoarticular infections in children; collaboration in article writing;

Development of a model aiming to discriminate septic arthritis caused by *Kingella*

kingae from septic arthritis caused by other pyogenic agents; resulted in the following publication:

Gouveia, C., Subtil, A., Norte, S., Arcangelo J., Santos, M.A., Cortereal, R., Simões, M.J., Canhão, H., Tavares, D. (2022). Distinguishing *Kingella kingae* from Pyogenic Acute Septic Arthritis in Young Portuguese Children. *Microorganisms*, 10(6), 1233. <https://www.mdpi.com/2076-2607/10/6/1233> .

Development of predictive models for acute complications and sequelae of osteoarticular infections; the following article is being completed and will be submitted for publication:

Gouveia, C., Subtil, A., Aguiar, P., Canhão, H., Norte, S., Arcangelo J., Tavares, D. (20XX). Osteoarticular Infections: Younger Children with Septic Arthritis and Low inflammatory Patterns Have a Better Prognosis in a European Cohort.

Support to NMS PhD student Madalena Lopo Tuna on the work *Newborn Screening for Congenital Cytomegalovirus. A new approach.* - determination of sample size and sampling strategy.

Support to the PhD student Madalena Guilherme Sousa, from the Hospital of Santo Espírito Santo da Ilha Terceira, in the work *Prevalence, genetic and clinical spectrum of MODY Diabetes in Terceira Island* - determination of the sample size and sampling strategy.

Support to the PhD student Maria João Barata, from the University of Évora - determination of the sample size and sampling strategy; resulted in the following publication (in poster format):

Barata, M.J., Subtil, A., Aguiar, P., Moreira-Rosário, A., Lança, C.C. (2022). "Association between Digital Eye Syndrome and binocular vision and the ocular surface in higher education students". *3rd Comprehensive Health Research Centre Annual Summit*, Lisboa, Portugal, 3-4 November.

Support to the PhD student Helena Coradinho, from the University of Évora, in the work *The effects of graphomotor intervention program according to a psychomotor approach in the visual-motor integration of preschool children: A randomized controlled - methodological support.*

Supporting Sandra Gomes, MSc student at the University of Évora, who undertook a study aimed at characterizing elderly residents in care homes with regard to loneliness and functionality - data analysis and support in writing up the results.

- **Biobank**

Aims: to support biomedical research, addressing all its facets, such as prevention, diagnosis, treatment, and monitoring of specific characteristics of a disease.

The Biobank aims to provide a supporting pillar for biomedical, clinical, epidemiological and translational research activities, especially in the areas of health promotion and chronic diseases, thus allowing to strengthen research quality and outcome as well as encouraging national and international research collaborations.

The Biobank is part of the Portuguese Roadmap of Research Infrastructures (RNIE) as a member of the National Biobanks Infrastructure (www.biobanco.pt). We are conducting our activities in line with national and international legal and ethical guidelines. The biobank has already purchased ISO standards such as ISO 20387 “Biotechnology: Biobanking - General requirements for biobanking” which is essential to follow in our daily activities and will allow us to be certified in the future.

This year Saba Abdulghani left her position as Technical Coordinator of the Biobank in September 2022 and Maria Assunção started as Technical Coordinator of the Biobank in the same month.

- ACHIEVEMENTS

Installation of the physical space of Biobank on the ground floor of the NMS-Research Yellow building, Rua do Instituto Bacteriológico nº5. The collections were all relocated and well-documented.

In July 2022, two new collections, AIJ and Saude.come, were moved from IMM to the biobank. AIJ comprises Blood, Serum, Plasma, Synovial Fluid, DNA and RNA with a total of 12676 samples. Saude.come has blood, Serum and DNA samples with 1091 samples. In October 2022, the Covid Task force collection of NMS was also transferred to the Biobank with a total of 5332 participants, with samples of nasopharyngeal and oropharyngeal swabs, saliva and RNA from positive and negative samples to SARS-

CoV2. The current collections at Biobank are described below. This year we also created the Biobank webpage in the NMS intranet:

https://fcmunlpt.sharepoint.com/sites/NMS_Research/SitePages/Biobank.aspx.

- CURRENT COLLECTIONS

Collection	Sample Type	liquots	articipants	Principal Investigator
AIJ	Blood, serum, plasma, SF, DNA, RNA	1091	381	Ana Filipa Mourão
Saude.come	Blood, DNA, serum	496	46	Ana Maria Rodrigues
Epidoc Cohort	Blood, DNA, serum	32377	398	Ana Maria Rodrigues
Bone	Blood, serum, SF, bone powder, cartilage, proteins, DNA, RNA, femoral head	3132	585	Ana Maria Rodrigues
Serology	Serum, PBMC	1882	1650	Helena Soares
iNOVA4Health (Adductomics)	Urine, urine + protease inhibitor, plasma, serum, PBMC, RBCS	3232	122	Emília Monteiro
COVID TF	Swabs, Saliva, RNA	9752	5332	Paulo Pereira

- FUTURE AND IN-PROGRESS COLLECTIONS THROUGH COLLABORATIONS

Collection	PI responsible
The eye bank	Diogo Cabral and Sandra Tenreiro (NMS- Research)
The corneal tissue bank	Sandra Tenreiro (NMS- Research)
Prostate cancer	Rune Matthiesen (NMS- Research)
202201_Meniere Disease	Diogo Ribeiro (CHRC)
202202_SULT_1	Natália Marto (NMS)
202203_SULT_2	Natália Marto (NMS)

• FUTURE PERSPECTIVES

- International collaborations through EU project collaboration such as our current participation in the EU Twinning project (EVCA) and the COST action (BenBedPhar) CA20121.
- Workshops and seminars to raise awareness once the biobank is fully functional.
- Strengthen stockholder participation and collaborations especially the patient and industrial pillars.

3) Annual structural initiatives

- **CHRC Research Grants**
- **CHRC Annual Summit**
- **Financial support for scientific publication**
- **CHRC PhD scholarships**

CHRC Research Grants

CHRC Research Grants is a yearly initiative awarding collaborative and multidisciplinary projects, with a total endowment of 320.000€;

In 2020, two collaborative projects were awarded with the amount of 40.000€/each. Projects “PROOF- PReventing OsteoporOtic Fractures” and “COVID-19 pandemic: the social distance at the school playground and its effects on children’s social-emotional competence and physical activity” are still ongoing and will be concluded by the end of 2022.

In 2021, three collaborative and multidisciplinary projects proposed by integrated members of the CHRC were awarded the amount of € 80,000. Projects “Reforming the reform: an evidence-based financing model for the Portuguese primary care (REF2PRIM)” - 30.000€; “The effects of whole-body vibration (WBV) on the management of osteoporosis in early menopausal women” - 25.000€; “KneeCare@Home: Home exercise-based rehabilitation program following surgical reconstruction of the anterior cruciate ligament” - 25.000€.

In 2022, eight collaborative and multidisciplinary projects proposed by integrated members of the CHRC were awarded the amount of € 20,000/each. The call for proposals was launched in October, with a specific regulation that can be consulted. The jury was composed of 4 elements external to the R&D unit. The results were as follows:

1st – The COGCARE Project – Cognitive disorders and impact on caregivers - 20.000€;

2nd – Self-care in the person with chronic disease - 20.000€;

3rd – Multimorbidity in Primary healthcare: developing an intervention to support patients and primary healthcare clinicians to better manage complex multimorbidity - 20.000€;

4th – Advancing Digital Health Behavior Change Precision: Development of a framework of personalization of behavior change techniques - 20.000€;

5th – [HE@RT.FIT](#) – Sustainability of traditional and live-streaming exercise-based cardiac rehabilitation in low-risk patients with cardiovascular disease - 20.000€;

6th – Improving physical function in older adults: exploring the interaction between protein intake and physical activity - 20.000€;

7th – HERO: Impact of Artificial Habitats and Environmental contaminants on Chronic Respiratory Diseases - 20.000€;

8th – Assessing Risk from exposure To Environmental contaminants in Portuguese Mother-Infant pairs - 20.000€.

CHRC Annual Summit

Aims: enhancing communication between members and management units to boost and promote clinical, public health, and health services research of a collaborative and multidisciplinary character.

The third CHRC Annual Summit took place face-to-face in Lisbon on the 3rd and 4th of November, 2023, joining 153 CHRC members on both days. In addition, there were participants from the United States of America, Canada, and the United Kingdom regarding international participation. Six distinguished speakers presented five high-level keynote speeches. Of the submitted scientific works, ten oral communications were also presented, with the works best quoted by the Scientific Committee of the event, and 46 posters were exhibited. The complete program can be consulted here: <https://www.nms.unl.pt/pt-pt/nms/noticias-e-eventos/eventos/detalhe/eventid/7130>

Financial support for scientific publication

CHRC financially support the payment of the papers' publication costs with the main objective of stimulating the scientific production of the integrated members. The general guidelines for this support regarding authorship and affiliation are that the body of authors must include, at least, two integrated members of the CHRC; Or the body of authors

must include only one integrated member of the CHRC, within an international consortium of authors; The first or last author of the article should be a full member of the CHRC. Regarding the scientific journals, the article must be published in Q1 or Q2 journals in their respective areas.

In 2022, NOVA Medical School supported the payment of 7 paper publications, National School of Public Health supported 15, Évora University supported 10, and Lisbon Institute of Global Mental health supported 1 publication.

CHRC PhD scholarships

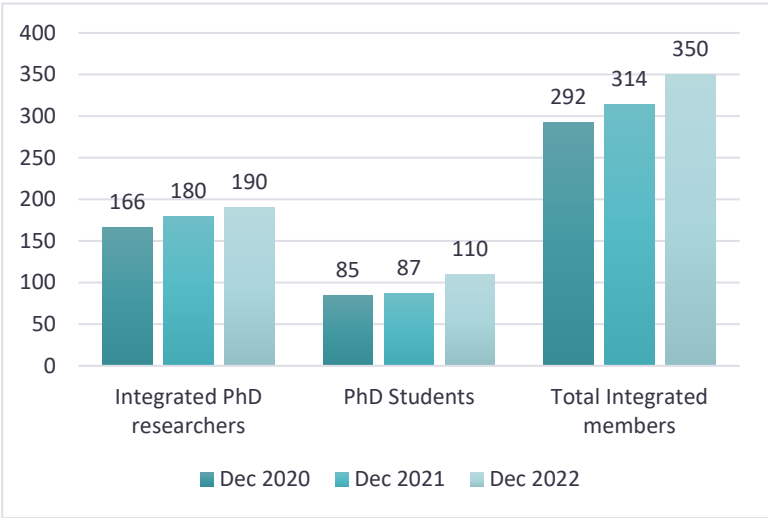
CHRC PhD scholarships (15 positions) within CHRC management institutions and thematic lines, funded by FCT, IP. So far, a total of 15 PhD scholarships was awarded to PhD students included in different doctoral programmes: Doctoral Programme in Public Health, Global Public Health, Health Sciences, Human Kinetics, and Health and Wellbeing Sciences and Technologies. One PhD student dropped out of her PhD, and the CHRC was unable to re-allocate the respective scholarship. thus, there are 14 awarded PhD scholarships whose study plans are ongoing.

2. CHRC PEOPLE



Up to December 2022, CHRC gathered a total of 190 integrated PhD Researchers, 110 PhD students, and 50 integrated non-PhD researchers and technicians. In addition, as a result of the potential and work developed within CHRC, 85 researchers, integrated in other national research units, joined the CHRC as collaborating members.

A comparison exercise between the December 2021 and December 2022 shows that CHRC grew in number of people involved, presenting an increase of 5,6% in integrated PhD researchers and 26,4% in the number of PhD students.



2.1. People by management institutions



3. SCIENTIFIC INDICATORS

3.1. Publications

In 2022, CHRC presented a total of 456 publications. More than a half of this number (260) corresponds to scientific articles published in high impact journals (Q1 or Q2 - SCOPUS index).

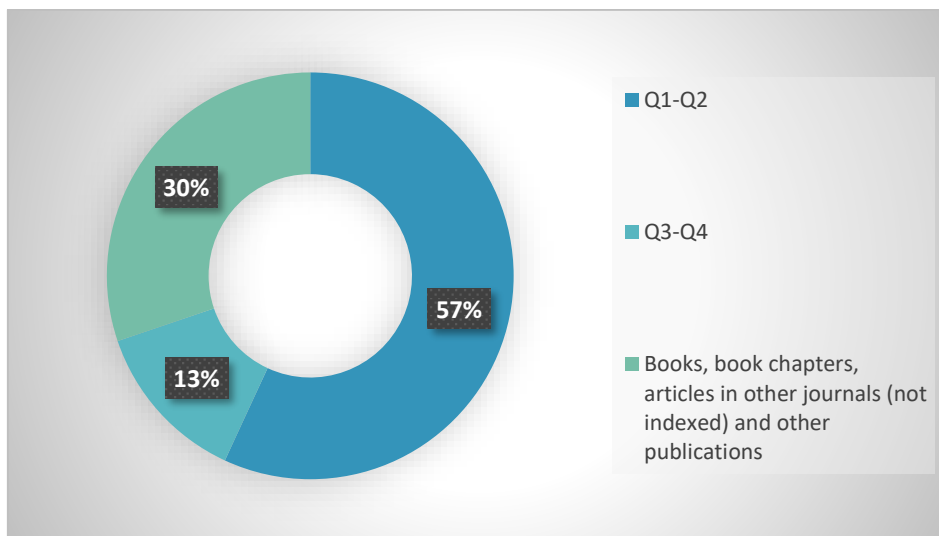
CHCR researchers published 59 Articles in peer-reviewed journals Q3 and Q4 (SCOPUS index). Regarding books, book chapters, articles in other journals (not indexed) and other publications, CHRC registered 137 existences.

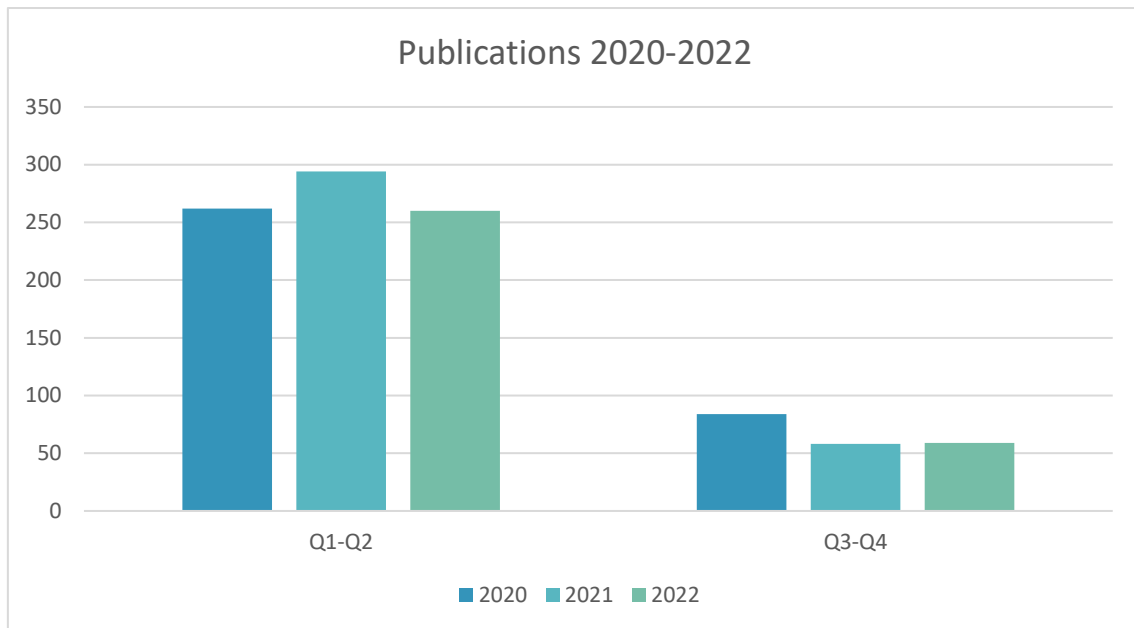
456

Publications i.e., papers, books, book chapters, etc.


260

Papers published in high impact journals (Q1, Q2)





3.1.1. Articles in peer-reviewed journals - SCOPUS index - Q1 and Q2ⁱ

 You can check the journals' quartile [here](#).

A

TOTAL: 260

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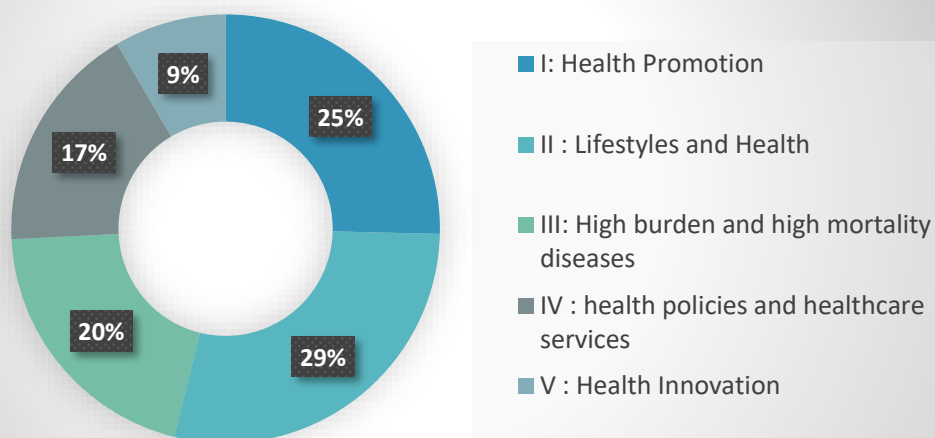
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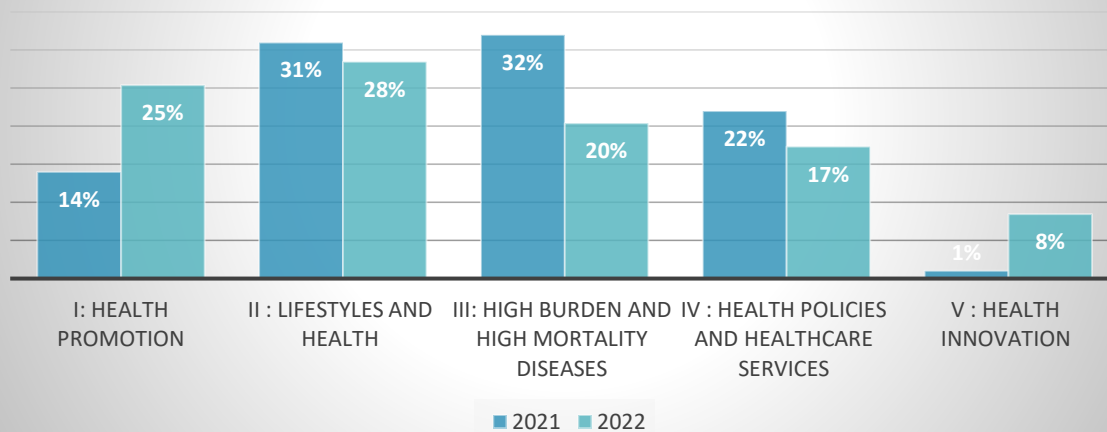
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Publications Q1-Q2 by thematic Line



Publications Q1-Q2 by Thematic Line 2021 - 2022



3.1.2. Articles in peer-reviewed journals - SCOPUS index – Q3 and Q4ⁱ

ⁱ You can check the journals' quartile [here](#).

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3.2. Funded projects active in 2022

The CHRC PhD integrated researchers are involved, as principal investigators or participants, in 85 projects, equivalent globally to almost 67M€.

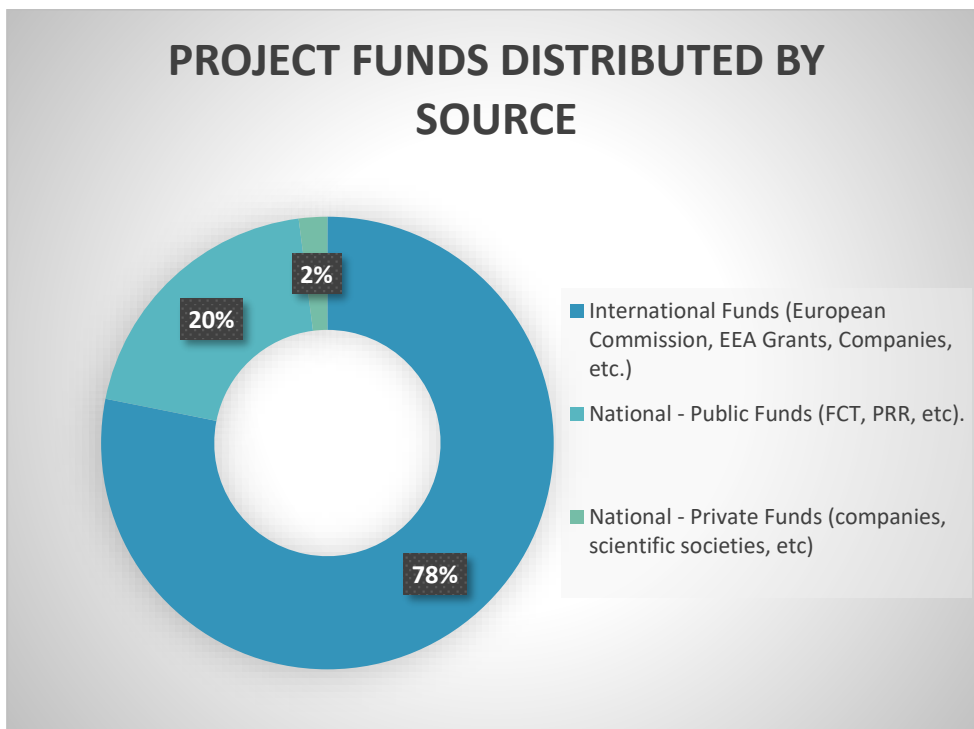
85

Active projects

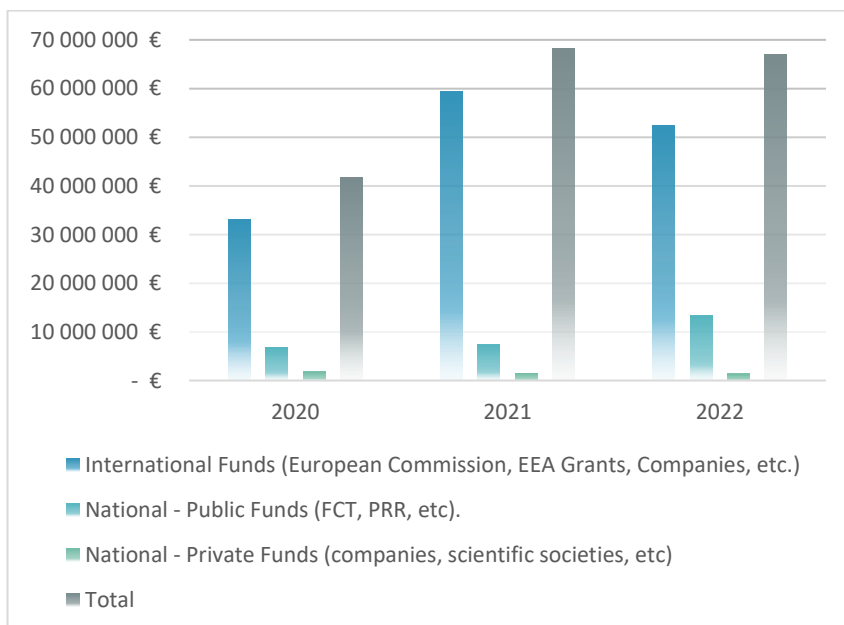
67M€

TOTAL AMOUNT OF FUNDING

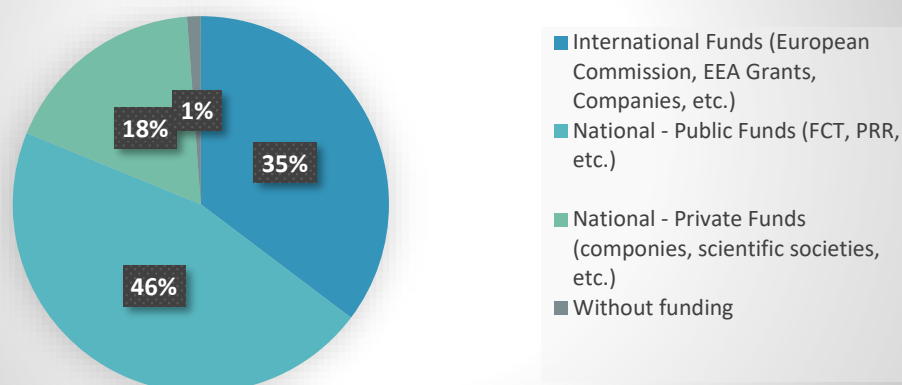
Research projects' total funding is distributed by source of funding as follows:



Comparing projects distributed by source of funding (2020 – 2022)



PROJECTS DISTRIBUTED BY SOURCE OF FUNDING



Project Title	Funding Entity	Amount of Funding
Jadecare	European Health and Digital Executive Agency (HaDEA) - International	4 999 032,51 €
PAFSE	Comissão Europeia - International	1 455 075,00 €
CHiDLIMaR – Determinantes e necessidades de saúde das crianças migrantes num contexto de pandemia: Um estudo longitudinal para a Região de Lisboa e Vale do Tejo.	FCT, I.P - National Public	227 258,13 €
ELEVATE	Comissão Europeia - International	3 301 990,00 €
Equity-Cancer	Comissão Europeia - International	2 998 688,75 €
CHILI	Comissão Europeia - International	2 999 688,75 €
C.O.P.E	Comissão Europeia - International	798 692,37 €
Vo(i)ces	Alto Comissariado das Migrações - National Public	57 329,51 €
Dos sintomas ao diagnóstico de Tuberculose em contexto urbano, considerando fatores individuais e contextuais. Quais são os pontos críticos desta demora?	FCT, I.P - National Public	228 602,70 €
earlyMYCO: Exposição precoce a MICOtoxinas e o seu impacto na saúde /Early-life exposure to MYCOtoxins and its impact on health	FCT, I.P - National Public	239 985,56 €
MycoClimaChange	EEA Grants Portugal - Mecanismo Financeiro do	14 859,20 €

	Espaço Económico Europeu - International	
InoQPHE	PORTUGAL 2020 - National Public	498 859,20 €
ERNST	Comissão Europeia - International	1 570,00 €
MyBack- Effectiveness and implementation of a tailored self-management programme to prevent recurrences and disability and promote musculoskeletal health in Low Back Pain patients (PTDC/SAU-SER/7406/2020)	FCT, I.P - National Public	249 689,80 €
“Avaliação da carga de doença e do impacto económico das doenças cardiovasculares em Portugal atribuídas à exposição a PM2.5	FCT, I.P - National Public	49 946,00 €
LOCUS	PFIZER - National Private	150 779,04 €
PARC	European Health and Digital Executive Agency (HaDEA) - International	4 000 000,00 €
SAFEST	Comissão Europeia - International	4 998 778,75 €
EOLinplace	Comissão Europeia - International	97 500,00 €
Translação e Inovação para a Saúde Global	FCT, I.P - National Public	118 812,00 €
K-HEALTHinAIR	Comissão Europeia - International	7 984 484,00 €
Basics of Digital Health Course	EIT - European Institute of Innovation & Technology - International	30 000,00 €
WHEATBIOME - HORIZON-CL6-2022-FARM2FORK-01-09, GAP-101084344 “Unravelling the potential of the wheat microbiome for the development of healthier, more sustainable and resilient wheat-derived food & feed products”	Horizonte Europa - International	5 060 547,91 €
Connecting healthtech innovation ecosystems for user-centred and business-driven entrepreneurial education propelling next-generation digital health solutions	Horizonte Europa - International	1 000 000,00 €
4th Call for Reference Site – February 2022	EIP on AHA Reference Site Collaborative Network - Without funding	- €
Prémio da Sociedade Portuguesa de Pediatria	Sociedade Portuguesa de Pediatria - National Private	30 000,00 €
Effectiveness of the Critical Time Intervention-Task Shifting (CTI-TS) model for persons with serious mental illness discharged from inpatient psychiatric treatment facilities in Portugal	FLAD - National Private	300 000,00 €
FCT R&D projects in all Scientific Domains	FCT - National Public	49 348,75 €
CANCER PREVENTION VS CANCER TREATMENT: THE RARE TUMOUR RISK SYNDROMES BATTLE	Horizonte Europa - International	4 642 249,75 €
VERTICAL ALGAE - SUBPROJECT 3 – High Value: Development of innovative and high value applications for the nutraceutical and cosmeceutical markets	PRR - National Public	3 335 567,00 €

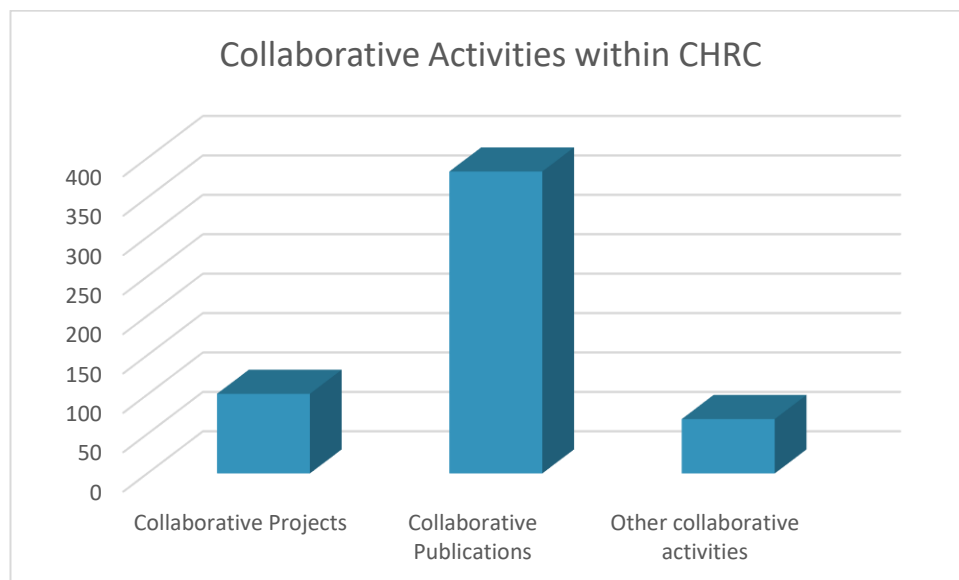
BEST - Bios EnSores multifuncionais a integrar na prática clínica e capacitação da pessoa com diabetes	Portugal 2020 - National Public	685 448,71 €	
CAP4ie - Instituto Internacional de Investigación e Innovación del Envejecimiento – Capitaliza	INTERREG - International	372 138,63 €	
COMPUSEL - Computational Thinking in Enhancing Primary Students' Social-Emotional Learning Skills	Comissão Europeia - International	193 365,00 €	
EdSex - Educando en Sexualidad: Avance para la Salud Europea	Comissão Europeia - International	276 134,00 €	
NIIA - Núcleo de investigação em inteligência artificial em agricultura	Portugal 2020 - International	356 674,54 €	
Projeto Academia (PA) OUT-TO-IN	Fundação Calouste Gulbenkian - National Private	49 833,00 €	
Rede de Clubes Ciência Viva na Escola (Agrupamento de Escolas D. Afonso III em Faro)	PRR - Plano de Recuperação e Resiliência - National Public	10 000,00 €	
SNS24.Scout.IA - Aplicação de Metodologias de Inteligência Artificial e Processamento de Linguagem Natural no Serviço de Triagem, Aconselhamento e Encaminhamento do SNS 24	FCT - National Public	239 320,50 €	
TETRA-S - Training of educators for transfer of transversal skills	Comissão Europeia - International	246 065,00 €	
Tradução, adaptação cultural e realização de estudo piloto do Treino Metacognitivo para pessoas idosas com Depressão (MCT-Silver) para a população Portuguesa	FCT - National Public	2 000,00 €	
UÉvora - UniverCIDADE VII	Instituto Português do Desporto e Juventude I.P. - National Public	11 500,00 €	
Asumie - Additional support and Mediated learning in Inclusive education	Comissão Europeia - International	389 788,00 €	
Reflect - Raising awareness and stimulating Executive Functioning and social emotional Learning by integrating Evidence based strategies in the Classroom to empower pupils, Teachers and parents	Comissão Europeia - International	236 405,00 €	
Think4jobs - Critical Thinking for Successful Jobs	Comissão Europeia - International	390 438,00 €	
EU Cost Action Fostren - Fostering and Strengthening Approaches to Reducing Coercion in European Mental Health (CA 19133)	EU - International	000,00 €	130
MH Rights - Programa Integrado para a promoção dos direitos humanos das pessoas com doença mental	EEA Grants - Cidadãos Activ@s - International	134 297,91 €	
FrailCare.AI - DSAIPA/AI/0106/2019	FCT - National Public	236 648,50 €	
CardioFollow.AI - DSAIPA/AI/0094/2020	FCT - National Public	239 693,60 €	
CardioWheel - invisible in-vehicle driver heart monitoring	EIT Health - International	75 000,00 €	
The COGCARE Project	CHRC - National - Public	20 000,00 €	
Methis@PHCare	CHRC - National - Public	20 000,00 €	
Self-care in the person with chronic disease	CHRC - National - Public	20 000,00 €	
Advancing Digital Health Behaviour Change Precision: Development of a framework of personalisation of behaviour change techniques	CHRC - National - Public	20 000,00 €	

HE@RT.FIT – Sustainability of traditional and live-streaming exercise-based cardiac rehabilitation in low-risk patients with cardiovascular disease	CHRC - National - Public	20 000,00 €
Improving physical function in older adults: exploring the interaction between protein intake and physical activity	CHRC - National - Public	20 000,00 €
HERO: Impact of Artificial Habitats and Environmental contaminants on Chronic Respiratory Diseases	CHRC - National - Public	20 000,00 €
Assessing Risk from exposure To Environmental contaminants in Portuguese Mother-Infant pairS	CHRC - National - Public	20 000,00 €
Reforming the reform: an evidence-based financing model for the Portuguese primary care (REF2PRIM)	CHRC - National - Public	30 000,00 €
The effects of whole-body vibration (WBV) on the management of osteoporosis in early menopausal women	CHRC - National - Public	25 000,00 €
“KneeCare@Home: Home exercise-based rehabilitation program following surgical reconstruction of the anterior cruciate ligament	CHRC - National - Public	25 000,00 €
PROOF- PReventing OsteoporOtic Fractures	CHRC - National - Public	40 000,00 €
COVID-19 pandemic: the social distance at the school playground and its effects on children’s social-emotional competence and physical activity	CHRC - National - Public	40 000,00 €
B-active: an integrative platform for children with rheumatic diseases	Novartis - National - Private	3 000,00 €
MicroSpA & MicroRA	Biocodex - National - Private	25 000,00 €
MONET: PTDC/BAA-ARG/7419/2020	FCT - National - Public	249 832,50 €
LEAVES: AAL/0003/2019	FCT - National - Public	160 706,58 €
COTIDIANA: AAL/0008/2020	FCT - National - Public	85 851,00 €
cLabel+	ANI - National - Public	4 641 020,43 €
IoMum - Iodine status Monitoring in Portuguese pregnant women	BIAL - National - Private	66 588,59 €
BioBreast study	AstraZeneca - National - Private	88 000,00 €
Porthos	Astrazeneca - Produtos Farmacêuticos, Lda - National - Private	457 491,19 €
Inphinit 2020	Fundação “la Caixa” - International	115 092,00 €
PrevoccupAI: DSAIPA/AI/0105/2019	FCT - National - Public	234 863,85 €
Personalized therapy for Rheumatic Diseases via machine learning methods	FCT - National - Public	239 921,74 €
Aneurysms Tool: PTDC/EMD-EMD/1230/2021	FCT & I.P - National - Public	249 371,00 €
PHIRI	Research and Innovation Framework Programme - International	4 999 577,50 €
LH.INV.F2019036	Hospital da Luz Learning Health - National - Private	14 000,00 €
Estudo da expressão genética da Legionella pneumophila após cocultura em Acanthamoeba castellanii	Sociedade Portuguesa de Doenças Infecciosas - National - Private	7 000,00 €

OSCAR	ANI - National - Public	382 202,88 €
Finnee - De espectros a fórmulas	FCT - National - Public	236 401,42 €
Epicough	Merck Sharp & Dohme, Lda - National Private	60 000,00 €
MSD #59301 - Congenital CMV disease and infection in a sample of Portuguese newborns	Merck Sharp & Dohme, Lda - National Private	30 100,00 €
Persistence of specific humoral and cellular immunity in children after SARS-CoV-2 infection	Merck Sharp & Dohme, Lda - National Private	67 400,00 €
Infecção ativa pelo vírus citomegálico humano nos síndromos coronários agudos	Mecenato Científico - National - Private	10 000,00 €
ARI - Senior	Douglas Instruments Ldt - International	10 399,41 €

3.3. Collaborative activities within the CHRC

The integrated members of the CHRC are involved in several collaborative activities between the CHRC management institutions (NMS, ESNP, UÉ, LIGMH and HSEIT), with more 101 collaborative projects, 383 collaborative publications and almost 70 other collaborative activities.



3.4. Internationalization

Integrated members of the CHRC are involved with a total of 59 networks and working groups, as well as 35 activities initiatives, actions and activities in collaboration with international consortia, at European and global levels, related to all CHRC thematic lines.

3.4.1. International Networks

total: 59

TL I: Health promotion

Network



NOVA Migration and Health da Plataforma Estratégica NOVA saúde da Universidade NOVA de Lisboa
NOVA Integrated Care, da NOVA saúde da Universidade NOVA de Lisboa



EITHealth



ISES Europe (International Society of Exposure Science)



ICPHR - International Collaboration for Participatory Health Research



OMEGA-NET Coordination and Harmonisation of European Occupational Cohorts



EUPHA - European Public Health Association (EUPHA), Section on Health Promotion



EGPRN - European General Practice Research Network

POCTEP



ISES Europe (Europe Regional Chapter of the International Society of Exposure Science)



European Environment Agency



International Nursing Network



EUPHA

EUPHA Health workforce research section
EUPHA Environment and health section

TL II: Lifestyles in healthcare

Network

Envejecimiento Activo, ejercicio y salud / Healthy-Age

EUGMS - Frailty SIG
- Nutrition SIG



European Narcolepsy Network



International Graphonomics Society

Mediterranean Nutrition (MeNu) Group

Red para la adherencia al ejercicio físico en la adolescencia

Rede Internacional de Pesquisa sobre Vulnerabilidade, Saúde, Segurança e Qualidade de Vida do Idoso: Brasil, Portugal e Espanha

Research stage in Leipzig - University of Leipzig and Akademie für Arbeit gesundheit

EAACI - European Academy Allergy Clinical Immunology, Food Allergy and Anaphylaxis



E3UDRES2 European University (the Engaged and Entrepreneurial European University as Driver for European Smart and Sustainable Regions)



RIPRES

Special Needs COVID

TL III: High burden and high mortality diseases

Network



ARIA - Allergic Rhinitis and its Impact on Asthma



Academic Network for Sexual and Reproductive Health and Rights Policy - ANSER"



European Health Psychology Society

EU Cost Action Fostren

COST Action CA16202- International Network to Encourage the Use of Monitoring and Forecasting Dust Products



Cost Action CA18225 - Taste and Odor in early diagnosis of source and drinking Water Problems

GARD-WHO (Global Alliance Against Chronic Respiratory Diseases)

European Academy Allergy Clinical Immunology - Allergic contact dermatitis in children



- Paediatric rhinitis
- The allergic child at school



European Brain Council



ECRIN



ENCePP



European Association of Psychosomatic Medicine (EAPM)

European Network of Mental Health Services Research (ENMESH)

Focus on Emotions Group (Faculdade de Psicologia da Universidade de Leiden, Países Baixos)



IHMN



NEOH, NEtwork for Evaluation of One Health, European Chapter of Ecohealth International



Uppsala Monitoring Centre

TL IV: Health policies and healthcare services research

Network



ASPHER - Association of Schools of Public Health in the European Region



Be Healthy Be Mobile (Be Active) Initiative World Health Organization



Center for Clinical Epidemiology and Research Unit of Clinical Epidemiology

COST Action CA18218 - European Burden of Disease Network

Biocentric Disaster and Health Management

National Health Literacy Demonstration Projects Community of Practice

Population Health Information Research Infrastructure (PHIRI)



World Mental Health Surveys Initiative

TL V: Health innovation



Network

Rede de Telemedicina da CPLP



RETE - Rede de Estudos de Tecnologias Educacionais



EUPHA Section: Digital Health



The International Comet Assay Working Group (ICAWG)

3.4.2. Initiatives, actions, and activities in collaboration with international consortia

total: 35

- Project "Healthy lifestyle or pro-health obsession during the pandemic - a multinational study".
- EURODATA: harmonization of COVID-19 data in primary care in EU countries - Person-centered research group
- Member of WHO NHLDP Community of Practice - Health Promotion
- Participant of the WHO NHLDP Community of Practice - Health Promotion
- The attitudes of European General Practitioners / Family Physicians towards person-centered care and factors influencing its implementation in daily practice - Person-centered research group
- Understanding higher order cognitive functions across the lifespan

- NHLDP Community of Practice: regular meetings - Health promotion: health promotion in vulnerable populations
- Digital Health Executive Course
- Empowering healthy behaviors through personalized intervention portfolios to prevent and control obesity during vulnerable life stages - Exercise, sports science and human development.
- Training for Trainers: Promoting vaccination acceptance and uptake: Communication strategies for frontline health workers (FHW); Bucharest (https://www.linkedin.com/posts/ecdc_ecdc-activity-7006321922309304320-jP_H/?utm_source=share&utm_medium=member_ios) - ECDC - Health promotion: health promotion in vulnerable populations.
- Vaccine Acceptance Curriculum: Promoting vaccine acceptance and uptake: Communication strategies for frontline health workers (content development and learning curriculum design Module 4: Communication in Practice): Project lead: ASPHER - Health promotion: health promotion in vulnerable populations.
- Chiang Mai University, Thailand - ERASMUS+ mobility
- COVAPID
- Discovery Study - NOVA CRU
- ENPEN - European Network for monitoring enterovirus infections and harmonizing diagnostic practices.
- EULAR Education (as author) - Postgraduate Course for Health Professionals in Rheumatology
- EULAR Task Force to update recommendations for the non-pharmacological core management of hip and knee osteoarthritis.
- IHF - International Federation of Hospitals
- Research in infection and sepsis/assessment of multiple factors and biomarkers/principal investigator and co-investigator
- Jan 2022 - March 2022 and Nov 2022 - Dec 2022 - Participation in Horizon Europe Proposals
- Jun 2022 - Dec 2022 - Basics on digital health
- Macustar Study - NOVA CRU
- OARSI - Joint Effort Initiative - Implementation subgroup
- Researcher of AXE 9 project under coordination of Loïc DRUETTE, Lyon France
- Teaching of a UC at the Federal University of Paraíba and Instituto Paraibano do Envelhecimento, professional master's degree
- Overview of contributions of NOVA schools for Sustainability in the context of EUTOPIA Connected Communities - EUTOPIA MORE (LC, CC, KC)
- Task force on social health in dementia (INTERDEM), at personal level - Activity is ongoing, indefinitely.
- Organization of the Leipzig-Evora Scientific Meeting in Psychology (Annually) since 2016).

- Quality Improvement Project in Hospitals in Mozambique, collaboration with Health Service Excellence of Ireland and the MISAU (Ministry of Health of Mozambique)
- Protocol publication: J Maria AR, Cooper S, Glenton C, Lewin S, Meskell P, Suleman M, Shepperd S. Adults' views and experiences of vaccines developed in response to the COVID-19 pandemic: a synthesis of qualitative evidence. Cochrane Database of Systematic Reviews 2022, Issue 4. Art. NO: CD015291. DOI: 10.1002/14651858.CD015291.
- Effectiveness of the Critical Intervention-Task-Task (CTI- TS) model for people with severe mental illness discharged from inpatient psychiatric treatment facilities in Portugal - Lisbon Institute of Global Mental Health.
- TBMED Study - NOVA CRU
- Think4Jobs - planning for adequacy of teaching practices

3.5. Scientific knowledge transfer

Patents
3 + **2**
 Prototypes & software

3.5.1. Patents

Description	Authors	Affiliation
<i>Simulator bovine cervix used in artificial insemination training made of platinum silicone through an innovative process aiming at animal welfare - Brazil - warehouse nr. BR102022026340-0</i>	Rita Payan Carreira	Universidade de Évora
Semi-Automatic Identification of Pathology in Chest X-Ray Images with Artificial Intelligence Techniques	Catarina Pereira, Felismina Mendes, Jorge Bravo	Universidade de Évora
Multidimensional tool for assessing the risk of falling in older people	Márcio César Navalho	NOVA Medical School

3.5.2. Prototypes, software and products

- Prototype do Senior Evaluation Kit (SEK): A technological A technological tool for assessing the multidimensional risk of falling in older adults
- Multidimensional integrated assessment platform for elderly people - MIAPE

3.6. Postgraduate supervision

191

PhD Students

11

Post-Doc Researchers

3.6.1. PhD students

Ongoing - 180

Breath volatile organic compound profile in patients with lung tumors undergoing extreme hypofractionated stereotactic radiotherapy (SBRT)	Acácio Nuno Pimentel
Effects of a strength training and detraining program on gait variability in elderly men and women: a longitudinal study	Alexandre Martins
Health Literacy and Immigrants: contributions to Health Promotion in Migrant Communities	Ana Catarina da Costa Maia
Obstetric Violence: Portrait of Childbirth Care in Portugal	Ana Cristina Ferrão
Determinants of Depression and Anxiety in Quality of Life and Functioning in the Portuguese Adult Population	Ana Lucília Sousa e Costa
Tests To Evaluate Perceptual-Motor Skills and Physical Fitness of Institutionalized Older Adults	Ana Patrícia Montoito
Determinants of Anxiety in Quality of Life and Functioning in the Portuguese Adult Population	Ana Pedro Sousa e Costa
Occupational Risk Management in the production of metal coatings reinforced with graphene nanoparticles	Ana Rita Alberto
Accounting for doctors' and patients' perceptions in telehealth services implementation	Ana Rita Maria
Effects of New Rehabilitation Programs on Post-CVA Patients: A Pilot Study	Ana Rita Simeão
Understanding the burden of Pneumonia on primary care	Ana Rita Teixeira
Study of the Effects of Therapeutic Exercise and Manual Therapy on Biomechanical and Neurophysiological Parameters Determining the Function of the Shoulder Joint Complex based on a Multifactorial and Clinical Analysis	Ana Sofia Carneiro Pinto de Melo
Health Literacy and Reduction of Inequalities in Migrant Populations in Portugal	Ana Teresa Sá Machado
Osteoporosis and Fractures What is being done to prevent it?	Anabela Barcelos
Effects of a High-Intensity Interval Training program integrated in high-school Physical Education Classes, on physical fitness, physical activity and motivation in adolescents	André Bento
Effects of HIIT application in High-school Physical Education Classes	André Filipe Paulino da Silva Bento
Rehabilitation Objectives in Physical Therapy in the person after a Stroke: Perspectives, Practices and Associated Factors	André Vieira

Expansion of Natural Killer cells as a complementary approach for adoptive cell therapy in advanced Colorectal and Pancreatic Cancer (NKAT-CRC-PDAC)	Andreia Filipa Garrido Maia
Social-emotional skills in pre-school education: contributions of body mediation practices	Andreia Sofia Dias Rodrigues
Functional profile of people aged 65 and over with multimorbidity	António José Marmelo
CARDIAC TELEREHABILITATION MODEL FOR PATIENTS AFTER ACUTE MYOCARDIAL INFARCTION	António Pinheiro
Trochanteric Femoral Pain Syndrome - Treatment protocol	António Seco
Spontaneous behaviour, socioemotional adjustment and psychomotricity in primary school students: a multifactorial analysis	Augusto Albuquerque
Accuracy and applicability of ICD-10(CM) and ICD-11: improving registry of patients with allergic and hypersensitivity conditions	Bárbara Kong Cardoso
SAPORT project - Supported accommodations for people with serious mental disorders in Portugal	Bárbara Pedrosa
Supported accommodations for people with mental disorders in Portugal: The influence of user characteristics, care provision and contextual factors on the quality of care	Bárbara Sofia Mega Fontes Pedrosa
Supported accommodations for people with mental disorders in Portugal: the influence of user characteristics, care provision and contextual factors on the quality of care	Bárbara Sofia Mega Pedrosa
Community empowerment in mental health promotion: the role of local government	Beatriz Lourenço
Being deaf at the playground - The effect of a hearing loss on children's social participation	Brenda Sousa da Silva
Psychomotricity and Artistic-Expressive Mediation in schizophrenia: intervening in the negative symptoms and in the relational and movement dimensions	Bruna Isabelinha
Health Literacy of the Informal Caregiver	Bruno Amaro
Metacognitive Training in Older Persons with Depressive Symptoms: evaluation of effectiveness for the Portuguese population	Bruno Gonçalo Cassis Morgado
Sacro-iliac Joint Dysfunction	Bruno Santiago
Double cortical fixation - semitendinosus construct in Anterior Cruciate Ligament (ACL) and Posterior Cruciate Ligament (PCL) reconstruction: biomechanical and histological evaluation. Clinical comparison with quadrupled hamstrings	Carla Madail
Contextualization and indicators of success and failure of the rugby game from the orderly formation - An offensive and defensive vision	Carlos Borralheira
Safety and Risk Prevention in Nature Sports	Carlos Daniel Gomes Mata
Quality and Safety of Person-Centred Proximity Care and Domiciliary Care	Carlos Martins
Supporting healthcare professionals in delivering personalised behaviour change care for patients with multimorbidity: A multiple behaviour approach	Carolina Silva
Comparison of the effects of high-intensity interval training (HIIT), traditional continuous training and Home-based training programs in phases II and III of cardiac rehabilitation	Catarina Joaquim Gonçalves
Hepagrowth- Low molecular weight heparin in the treatment of early fetal growth restriction	Catarina Palma dos Reis
Metabolic Effects of a Phe-restricted diet: from amino acid biokinetics to microbiota modulation	Catarina Rodrigues
Effectiveness of Nursing Interventions in the Prevention of Pressure Ulcers in Long Term Care	Cátia Furtado
Occupational exposure to asbestos and mesothelioma	Cátia Santos
Metacognitive training in elderly people with depression: proposal for a psychotherapeutic intervention	Celso Silva
Strengthening oral health literacy: Construction of a model for improving and monitoring the implementation of the SOBE+ project	Claudia Corrêa
Effects of physical exercise on sarcopenia after bariatric surgery: a randomized controlled study	Cláudia Sofia Orvalho Mendes Amaro dos Santos
Impact of the implementation of biosimilars for the treatment of different rheumatic diseases perceived by the patients and by society (repercussion upon Patient Reported Outcomes and economic costs)	Cláudia Vaz Pessoa
Specificities of medical school, distress and suicidal behaviors in Brazilian medical students	Cristianne Marcelino

Uncovering the foundations of social prescribing implementation in Portugal	Cristiano Emanuel Marta de Figueiredo
Systemic lupus erythematosus in children - what can we learn more?	Cristina Henriques
Biomechanical patterns in individuals at medium and high-risk groups of developing chronic low back pain	Daniela Carvalho
Hip and Knee Osteoarthritis in Portugal- characterization of the population - current management and outcomes	Daniela Costa
The body-mind relationship in breast cancer survival	Daniela Sofia Morgado Guerreiro
Pancreatic Stone protein in infection and sepsis	David Nora
Decision making in a multimorbidity context	David Rodrigues
Cotextual factors of coercion in mental health treatment	Deborah Aluh
Breast cancer, microbiota and chemotherapy response: a game changer triad?	Diogo Alpuim Costa
Can physical/performance based tests Predict Low Back Pain Recurrence?	Diogo Moço
Ménière's Disease in a Portuguese Population: Contribution to a Clinical, Epidemiological and Genomic Study	Diogo Ribeiro
Health literacy and diabetes compensation: what is the relationship?	Dulce do Ó
Early Warning Scoring Systems: risk adjustment model for clinical worsening and/or death in adult patients admitted to Angolan wards	Esmael Tomás
Active and Healthy Aging - Factors and expectations in middle-aged adults in Baixo Alentejo	Eunice Santos
Proposal of a model of care focused on the person aged 65 and over, resident in ERPI, based on the functional profile	Fátima Maria Pereira Conceição Cano
Tissue Engineering: development of biomaterials and cellular therapies in clinical practice	Fernando Guedes
The Canine Model of Mammary Cancer: use of new tools in the diagnosis and staging of the disease	Filipa Branquinho
Immunomodulation in Acute Pancreatitis	Filipa Malheiro
Socioeconomic determinants of children mortality in Angola	Francisca Van Dunem
Lateral Ankle Instability: from pathology to Prognosis	Francisco Guerra Pinto
Effectiveness and Mechanisms Associated with Neural Mobilization Delivered to Older Adults with Musculoskeletal Chronic Pain	Frederico Mesquita Batista
Selenium and musculoskeletal ageing	Giorgia Perri
Spondylarthropaties - burden and costs	Helena Santos Cabrita Carneiro
Care pathways in orthopedics	Helena Temido
Health Literacy in a Grouping of Schools of Central Alentejo for the prevention of bullying	Herenegildo Pateiro
Effects of two intervention programs on fall prevention and fall risk factors in community-dwelling older adults: psychomotor intervention program versus psychomotor intervention program combined with vibration exercise	Hugo Filipe Zurzica Rosado
Genomic profile of high performance sport athletes and ex-athletes	Hugo Henrique Santos Silva
Functionality, Health and Quality of Life in the Older Population with Multimorbidity in Central Alentejo Region	Hugo Salgueiro
Evaluation of knowledge and perceptions on the impact of climate change on chronic obstructive respiratory diseases	Hunilla Jacinto
Physical, biomechanical and psychologic characterization of adults with achondroplasia	Inês Alves
Oral health care as determinants of oral health, general health and quality of life	Inês Caetano Santos
Empowering cancer patients with advanced disease and the Primary Caregiver for pain management at home	Isabel Correia
Role of liver hemodynamics in fetal development in twin pregnancies	Jader Cruz

The Knee Care @Home Telerehabilitation Program Following Anterior Cruciate Ligament Reconstruction	Joana Alegrete
Urine extracellular vesicles: non-invasive biomarkers of beta cell function and novel therapeutic agents in diabetes	Joana Caetano
The triad microbiota, immunity and idiopathic recurrent pregnancy loss	Joana Cristino Pereira
Influence of metal exposure in thyroid hormones and gestational diabetes	Joana Guimarães
Body and trauma: from comprehension to intervention in female victims of domestic violence	Joana Isabel Palma Machorrinho
Treatment of childhood obesity: role of individual and contextual factors	Joana Mira
Machine Learning Approach to Personalized Anticipation of Healthcare Needs from Patients with Multimorbidity	Joana Seringa
Hemodynamic determinants of the severity of aortic stenosis	João Brito
Use of the Knowledge-To-Action Framework Model for the Development of the Parental Program More Relationship, Fewer Screens	João Grade
Optimization of diagnosis in Rheumatoid Arthritis using referral criteria and a diagnostic algorithm including musculoskeletal ultrasonography	João Madruga Dias
High-grade Endometrioid Endometrial Carcinoma - Molecular and Proteomic Signature and its implications in the overall prognosis of this neoplasm	João Miguel Casanova Gonçalves
An Ecological Dynamic approach in Physical Education environment. The effects of an interventional program for team invasion sports on learners	João Teixeira
Influence of environmental factors on stress levels of health professionals in a public hospital in Fortaleza, Ceará, Brazil	Jocélia Maria de Azevedo Bringel
Health literacy, access and use of health services by higher education students in Alentejo	Jorge do Rosário
Prognostic value of Raman spectroscopy in cutaneous and subcutaneous mastocytomas of the dog	José Carlos Mota Catarino
Effectiveness of environmental measures in European Hospitals - towards green financing	José Chen
Expression of NK cell inhibitory receptors in women with endometriosis	José Manuel Lourenço Reis
Endoscopic Spine Surgery - Transforaminal access to the lower lumbar spine	José Miguel Sousa
The impact of a cardiac rehabilitation intervention on PROMs	José Moreira
Natural killer receptors Biomarkers in endometriosis	José Reis
The burden of obesity on the consumption of healthcare services and loss of production in Europe and particularly in Portugal	Kelli Destri
Development and implementation of a digital health program for rural populations with knee osteoarthritis (knee OAJ)	Lara Gil Gomes de Campos
Relationship between motor competence (real and perceived) and parental factors, type of play, and temperament in preschool and school-aged children	Liliana Filipa da Silva Cunha
Polyphenol intake and inflammation	Lizaveta Hilman
Social Prescription in Portugal: Evaluation of impact and implementation in Family Health Units	Louíse Hoffmeister
Palliative Care Needs of the Institutionalized Elderly in Portugal: Proposal of a Person-Centered Care Model	Lucinda Maria da Silva Marques
Comparison of effectiveness in anti-pd1 checkpoint inhibitors in treatment of non-small cell lung cancer	Luís Castelo Branco
A stratified model of care to reduce disability of patients with low back pain in the primary healthcare: cost-effectiveness and optimization of minimal Intervention	Luís Gomes
Analysis of the impact of pandemic COVID-19 on hospital health care workers	Luís Mendonça Galaio
Intervention model based on stratification of the risk of developing persistent and disabling pain in users with low back pain: Effectiveness and factors associated with chronicity	Luís Miguel Antunes Gomes
Effects of Multimodal Exercise and Processing Speed Training on Cognitive Functioning and Functional Capacity in Institutionalized Elderly People	Luís Miguel Figueiras Galhardas

The influence of environment on stress levels, sleeping and eating habits, and oral health of military police officers in the State of Rio de Janeiro	Luiz Octavio Garcia
Newborn Screening for Congenital Cytomegalovirus - A new approach	Madalena Lopo Tuna
Fibrinogen Concentrate Safety for the Correction of Hypofibrinogenemia on Coagulopathic Surgical Patients	Manuela Gomes
High Performance Women's Swimming in Brazil: Challenges, "possible futures" and strategies for action	Maral Caldas
Health for people with type 2 diabetes. An exercise app	Marco Paulo da Fonseca Gonçalves
PERSONA STUDY: OPTimization of the ValuE-based healthcaRe aS for the fOLLOW-up of womE with breAst cancer	Margarida Ferreira
Opportunistic infections among immunosuppressant patients	Maria João Aleixo
Growth and body composition of infants born very preterm: comparison between two cohorts fed human milk, respectively with target and standard fortification	Maria Manuela Cardoso
Mental Health of migrant children and adolescents in Portugal: vulnerability to problems and challenges in access to services	Maria Rita Marques Gonçalves
A stratified model of care to reduce disability of patients with low back pain in primary healthcare	Mariana Lemos
Affordances promoting mobility in the preschool space and its relations with children's motor and socio-emotional skills	Mariana Moreira
Exposure to particles, fungi, bacteria and their metabolites in Portuguese sawmills and possible health implications	Marta Dias
Conceptual mapping in medical education	Marta Fonseca
Covid-19 - Covid-19 control in Portugal in a spatio-temporal perspective: determinants, trends and predictors of incidence in geographic units. Contribution to policy optimization	Marta Moniz
Using online behavior to track outbreaks and pandemics	Sara Raquel Araújo Basto Machado Mesquita
Exploring B-cells in pregnancy: old players, new functions	Miguel Ângelo Dias
Antimicrobial Resistance and Zoonotic Bacteria: Assessing interventions, risk factors and the occurrence of antimicrobial resistance in the food chain production in Portugal	Miguel Costa
Naval occupational context as a potential determinant of vitamin D levels: the case of the Portuguese Navy	Moisés Henriques
Maternal-fetal outcomes and vertical transmission of SARS-CoV-2 infection	Nadia Charepe
Feasibility of implementing Child Eye Screening: a case study from 25 de Setembro Health Center, Nampula, Mozambique	Nelva Sixpene
Effects of a multimodal exercise program on health, cognitive functions and subjective well-being in individuals with type 2 diabetes	Nilton João Chantre Leite
Frailty in convalescence context in Alentejo Region - from hospitalization to home	Nuno Carrajola
Spatial occupancy and tactical behavior in youth soccer: Implications for manipulation and control of shortened games	Nuno Coito
Castanea sativa - from the tree to the gut: production, nutritional and functional characterization	Okta Pringga Pakpahan
Vitamin D Levels in Pregnancy and the Impact on Prematurity Outcome Indicators - Multicenter observational study in the Alentejo region	Olívia Barbosa
Characterization and Evaluation of Public Policies of Sport for the Promotion of Physical Activity in the Municipalities of Central Alentejo	Patrícia Bernardo
HViTAL, an intelligent clinical decision support platform for healthcare-associated infections at São João Hospital Centre: effectiveness, costs, and contextual challenges	Patrícia Brito
Measurement of the oxygen saturation in tissular microcirculation in dogs and cats, using near-infrared spectroscopy (NIRS) technology	Patrícia Moio
Innovative Medicines - Determinants of Access	Paula Alexandra Ferreira Costa
Impact of a multimodal exercise program that combines movement and traditional Alentejo singing on functional capacity and well-being of elderly people	Paulo Fernando Vaz Marques Coelho
Using Multidimensional Performance Indicators to Capture Youth Football Players Development - A longitudinal study	Paulo Pereira

Predictive morphological factors for the prescription of mandibular advancement device in the therapeutic approach of obstructive sleep apnea syndrome	Pedro Cebola
In vivo hip contact pressure and force in cam-type femoroacetabular impingement syndrome	Pedro Dantas
A Model of Care for the Safety of the Critically Ill Patient during Intra- and Interhospital Transport	Pedro Gonçalves
Mental Health of Higher Education Students - Intervention Model	Pedro Miguel Morgado Amaro
Construction and validation of a comic story for teenagers about cardiac resuscitation	Phellype Kayyaã da Luz
Healthy diet policies	Ricardo Alves
Assessing pain management of non-inflammatory rheumatic diseases: osteoarthritis, fibromyalgia and low back pain	Rita Oliveira
Association of neuropsychological functioning with driving and other activities of daily living in older adults	Rogério Henriques
Lean process in surgery	Rui Cortes
Predicting depression in adult Portuguese population: development and validation of a prognostic model	Rute Dinis de Sousa
The simulated practice in the development of clinical reasoning in nursing students	Rute Pires
Study of physical fitness, physical activity, sleep quality, cognitive function, body image and inflammatory markers in older people participating in a community exercise program	Silvana Fonseca Teixeira
Certification of Osteopathic Competencies as a Contribution to Improved Quality and Safety	Sílvia Gomes Pedroso
COMparison of Percutaneous thrombectomy strategies for the treatment of acute Pulmonary Embolism - The COMPARE-PE Project	Sílvio Leal
Self-assessment of health, biophysical indicators and cardiovascular risk in elderly women participating in a physical conditioning program	Simone Campos
Second victims support after an adverse events: International context	Sofia Paiva
Neuropsychological Rehabilitation in Executive Deficits resulting from Alcohol Use Disorder	Sónia Ferreira
Units of support for high performance in school (UAARE). Management model and impacts on dual careers	Sónia Picamilho
A collaborative care model on medication review among polypharmacy elderly patients	Sónia Romano
Physical activity and functional capacity of institutionalized elderly: characterization and study effects of an exercise program with virtual reality	Soraia Daniela Pires Ferreira
Characterization of physical activity levels and functional capacity of elderly people - the effects of an exercise program with virtual reality	Soraia Daniela Pires Ferreira
ADIPOHSITE - ADVancing the obesogen hypothesis Through biomonitoring, observation, and Experimentation	Susana Coelho
Musculoskeletal Disorders in Primary Care Settings	Susana Duarte
Sleep Apnea and Atrial Fibrillation – a Precision Medicine approach	Susana Sousa
Adaptation of the Professional Training of Physiotherapists in Function of the Technological Impact in their Clinical Practice: Formative Realities in the Iberian Peninsula	Tarciano Siqueira
Inequities in the environmental health of children and women in the Revué Basin, Mozambique	Tatiana Jorge Marrufo
Talent Management in Nursing - A Pathway to Excellence of Care	Telma Quaresma
Model of self-care behavior management in the person with heart failure at home	Telmo Pequeto
Prescription of benzodiazepines by primary health care doctors- characteristics of prescribing trend and implementation of an online program	Teresa Reis
Mental health promotion in preschool age: needs, settings and practices	Teresa Rodrigues
Contribution of ramp lesion repair for additional knee stability during anterior cruciate ligament reconstruction	Thiago Aguiar

Responses to Mental Health Care Needs of Survivors of Intimate Partner Violence by Mental Health Services in Lithuania and Portugal: Gaps in Practice and Recommendations for the Future	Ugne Grigaitė
Multimorbidity: impact on health outcomes of an intervention strategy	Vanessa Nicolau
Profile of the Dependent Elderly and their Caregiver in the Home Setting: Proposal of a Model of Care	Vânia Raquel Dias Nascimento
Risk of infection associated with hip or knee arthroplasty in Portugal	Vera Resende
Effects of a combined training program in obese adults - Face-to-face vs online format	Vitor Bilro
Health literacy responsiveness and intercultural communication practices: An analysis in immigrant populations within primary health care in Portugal	Yilian Machado Pérez

Concluded: 11

Thesis Title	PhD Student Name
Retinopathy of prematurity	Ana Almeida
Self-care in the functionally dependent elderly: essential long-term care needs	Ana Filipa Nunes Ramos
Gender-based health inequalities trials: women's morbidity disadvantage and gendered help-seeking behavior	Luís Roxo
Users' and health professionals' perspectives of Portuguese primary care services: a focus on dementia	Maria da Conceição Sousa Balsinha
Factors influencing relationship quality in dementia: a mixed methods approach	Maria João Lopes Marques
Premalignant lesions and cervical carcinomas in human immunodeficiency virus (HIV)-infected women - importance of the local lymphoid population and combined antiretroviral therapy (cART)	Maria José Brito
Evaluation of complex sexual and reproductive health interventions targeting adolescents and youth: from quasi-experimental design to qualitative process evaluation	Olena Ivanova
Cervical cancer screening among migrant women in Portugal	Patrícia Marques
Attitude(s) in Science	Paulo Vília
Vitamin D Status and Biomarkers of Functional Health and Aging in Very Old Adults: Analysis of the Newcastle 85+ Study	Sarah Hakeem
Association between environmental exposure to particulate matter and biomarkers of cardiovascular risk: linking the first Portuguese Health Survey and air quality data	Vânia Gaio

3.6.2. Postdoctoral Researchers

Postdoctoral researchers: 11

Personal Training in Psychomotricity: the beginning of the experiential process	Celso Matrascuza
Complex intervention from a situational diagnosis with people aged 65 and over and their caregivers at home	Cenir Goncalves Tier
Characteristics and challenges lived by formal carers of elderly home dependents: a comparative study between Brazil and Portugal	Maria do Livramento Fortes Figueiredo
Evaluation and improvement of physical literacy of an active breaks program in Portuguese students	María Mendoza Muñoz
Migration and health	Rarianne Carvalho Peruhype
Promoting adequate and healthy eating in early childhood education: developing a theoretical model	Rosane Rito

Physical Literacy in Physical Education Teachers to Improve Health-Related Quality of Life in School-aged Children and Adolescents	Roxana Paola Palacios Cartagena
Associations of latent class patterns of physical activity and sedentary behaviour with musculoskeletal health and physical function in older adults	Vera Lucia Zymbal
Integration of surveillance, prevention and control actions for Neglected Tropical Diseases: Epidemiological and operational perspectives for Leprosy and Chagas disease in the SUS in southwestern Bahia state	Gabriela Garcia
Contributions to health and well-being at work: relationship between psychosocial risks, negative affective dimensions, organizational health and holistic life satisfaction	João Lopes
Impact of Fibromyalgia on isokinetic strength and oxidative stress	Santos Villafaina Domínguez

3.7. Interface with civil society

The CHRC is strongly committed to the tangible impact of the research in its translation into public policies and civil society, as well as in the provision of services to the community.

In 2022, CHRC researchers participated actively in 179 civil societies or scientific organizations, carried out 181 activities that contribute to the dissemination of scientific knowledge in civil society, and 55 provided services to the community. Finally, CHRC integrated members made more than 500 contributions to *media*.

3.7.1. Activities that contribute to the dissemination and / or application of scientific knowledge in the civil society

Total: 181

- The European Cooperation in Science and Technology (COST): second victims training, Croatia, October 2022. Zagreb
- Lecturer in courses for Internship in General Practice/FGM in the field of medical literature review
- Scientific report: Validated psychosocial intervention programmes in dementia: Training available in Portugal with potential interest for teams. National Coordination of Mental Health Policies, Administração Central do Sistema de Saúde, I.P., Ministry of Health. Portugal. doi: 10.34619/oir0-2pba URL: https://research.unl.pt/ws/portalfiles/portal/44288233/MAPDEM_2.0.pdf
- World Jain Challenge (WJC) 2022 Assessment Committee, collaborating with INTERDEM (<https://www.jainprojects.com/world-jain-challenge/>).
- NMS focal point for the Protocol with Alzheimer Portugal (2019) - technical and scientific advice and collaboration regarding family psychoeducational interventions.
- Member of the Regional Mental Health Coordination of the Regional Health Administration of Lisbon and Tagus Valley, headed by Prof. Dr. Teresa Maia Correia, as the element responsible for monitoring the Regional Health Plan for Dementias. Deliberation nº 306/2022 of ARSLVT, published in the Diário da República 2nd series, nº 48, part C, p. 42, of 9th March.
- Member of the Regional Health Commission for Dementias of the Regional Health Administration of Lisbon and the Tagus Valley, headed by Prof. Ana Verdelho. Deliberation nº 275/2022 of ARSLVT, 8/4/2022.
- Expert Panel for the revision of the Clinical Guidance Standard of the Directorate-General of Health nº 53/2011 'Therapeutic Approach to Cognitive Disorders', coord: Prof. Alexandre de Mendonça (2022).
- ORAL COMMUNICATION BY INVITATION: Pessoas, demências e alterações neuropsiquiátricas: compreender para Actuar. 36th Meeting of the Study Group on Brain Aging and Dementia. Coimbra, 1 and 2 July 2022.
- ORAL COMMUNICATION BY INVITATION: Clinical communication in Psychogeriatrics: Analysis of triadic interactions. Webinar - Symposium of the Geriatric Psychiatry Section of the Portuguese Society of Psychiatry and Mental Health. XIX Congreso de la Sociedad Española de Psicogeriatría. Valladolid, Spain, 29 Sept - 1 Oct 2022.
- ORAL COMMUNICATION BY INVITATION: The importance of access to non-pharmacological interventions in dementia. Conference

- TSF podcast - Health and Ageing
- 42nd Portuguese Congress of Geriatrics and Gerontology
- Newspaper 2 of 30 Aug. 2022
- "Transforming the SNS" project with the SNS Foundation
- News from Jornal Público: News title: Azul, PÚBLICO's project to "tune journalism" with environmental priorities; (<https://www.publico.pt/2022/03/04/ciencia/noticia/azul-projecto-publico-sintonizar-jornalismo-prioridades-ambiente-1997595>)
- News from Jornal Público: Five damages that climate change does to human health; <https://www.publico.pt/2022/04/24/azul/noticia/cinco-estragos-alteracoes-climaticas-fazem-saude-humana-2000818>
- News from Jornal Público: We are exposed to new toxins in food; <https://www.publico.pt/2022/04/24/azul/noticia/estaremos-expostos-novas-toxinas-alimentos-2002594>
- News from Jornal Público: We have to be prepared for new pandemics; <https://www.publico.pt/2022/04/24/azul/noticia/estar-preparados-novas-pandemias-2002599>
- News from Jornal Público: It's the heat waves that can kill the most; <https://www.publico.pt/2022/04/24/azul/noticia/sao-ondas-calor-podem-matar-2002609>
- News from Jornal Público: News title: There is an epidemic of climate-related mental illness; <https://www.publico.pt/2022/04/24/azul/noticia/ha-epidemia-doencas-mentais-associadas-clima-2002625>
- News from Jornal Público: Title of the news: We may have water restrictions for human consumption; <https://www.publico.pt/2022/04/24/azul/noticia/podemos-restricoes-agua-consumo-humano-2002615>
- News from Jornal Público: Health in the context of climate change: what can we still do? <https://www.publico.pt/2022/05/18/opiniao/opiniao/saude-contexto-alteracoes-climaticas-podemos-2006474>
- Workshop "Impacts of Early Life Exposure to Environmental Contaminants: Children's Health in the Anthropocene". 30th September 2022, University of Évora, Portugal; <https://childrenanthropocene.weebly.com/>
- Enquadramento dos Meios Complementares de Diagnóstico em Portugal: O Caso da Radiologia / Imagiologia [Invited speaker at the Cycle of Biomedical Sciences Seminars, organized by the Department of Medical and Health Sciences of the School of Health and Human Development of the University of Évora with the support of the CHRC.
- Almeida, R. P. P. (2022, May). Programas de Gestão da Qualidade em Saúde: Planeamento, Monitorização e Ciclos de Melhoria [Oral Communication]. Invited speaker at a Workshop on Quality in Health Care, joint organization by CICS.NOVA.UÉvora, CHRC and Course Commission of the Post-Graduation in Health Care Administration of the University of Évora. It took place on the 7th of May 2022. "
- "Opinion article for the Portuguese Health Economics Association (Associação Portuguesa de Saúde Pública, APES) website: "Quebrar o padrão de desigualdades em saúde: o papel dos países que acolhem refugiados". APES.
- Opinion article for Netfarma magazine "Winter is coming".
- "National Index of Access to Hospital Medicines Edition 2022 – interim study. Oliveira-Martins S, Advinha AM. National Index of Access to Hospital Medicines – Edition 2021. Portugal; 2022.
- Report publicly presented on October 18, 2022 at the Centro Cultural de Belém, but not yet made available in full by APAH - Associação Portuguesa de Administradores Hospitalares.
- Information available at: Medicines Forum presents interim results of the National Hospital Medicines Access Index - APAH
- Conference - Multidisciplinary teaching model. Joint teaching of pure swimming, water polo and artistic swimming - Within the scope of the III Convention of the Project "Portugal a Nadar" of the Portuguese Swimming Federation
- Conference - Multidisciplinary teaching model. Joint teaching of pure swimming, water polo and artistic swimming. - The Technical Director's perspective - Within the scope of the Webinar of the Portuguese Swimming Federation
- Conference - Multidisciplinary teaching - what organizational and methodological changes? 45th APTN Scientific Technical Congress
- World Day of Osteoporosis - Programme Bom Dia Portugal. RTP.
- "Projecto Saúde.Come." Consultório - part 2, Porto Canal."

- Training action for the Public Health team of ARS Algarve (duration of 4h). Title: National Strategy for Prevention and Control of Legionnaires' Disease. Almancil, 18 November 2022
- Training action for the Public Health team of ARS Algarve (duration of 3h). Title: Laboratory analysis of Legionella in water systems: available methods, advantages and disadvantages. Almancil, 18 November 2022
- Online video participation in the TAPAS congress of the University of Seville with the paper "The effects of a 12-week yoga program on the COP of military pilots before and after a flight emergency simulation"
- Publication of two book chapters, about the Reforma Ativa (Active Retirement) programme and the Alma Sénior (Senior Soul) programme, developed in Almada City Council, in order to contribute with multiple sporting activities, increasing Active Ageing.
- Publication of an article in the magazine Portugal Ativo, about the Reforma Ativa programme, a programme that studied the effects of the application of sensory motor training in the elderly.
- Participation in the III International Conference on Technology in Physical Activity and Sport, with the oral presentation of the study ""Evaluation of the spatiotemporal characteristics of gait, using the Phyphox® App"", as lead author and with the study ""The effects of a 12-week yoga programme on the COP of military pilots before and after an emergency flight simulation using the Biosignals Plux force platform", as co-author. "
- My heart beats healthy - Initiative of the Portuguese Society of Cardiology / Portuguese Foundation of Cardiology, for teaching in primary schools on the themes of cardiovascular diseases and prevention. Pilot project in Lisbon, Montemor-o-Velho and Coimbra.
- Portugal Football Datathon 2022 - The Portugal Football Datathon 2022 is a data-driven competition, organised by the Portuguese Football Federation. This competition is an opportunity to discuss themes related to football, its development and the promotion of innovation.
- Podcast Science and Football - Portuguese Football School - The challenge of congested calendars".
- Organising committee of the project Study of Complex Intervention - Social Responses in the Care Process of People with Dependency, with the objective of Qualifying differentiated professionals of the IPSS for the Training of Carers, which took place in the e-learning format, in the period from 30 May to 31 July 2022.
- Member of the organizing committee at the 2nd Comprehensive Health Research Centre Annual Summit, University of Évora.
- Presentation of an oral communication at the 2nd Comprehensive Health Research Centre Annual Summit, University of Évora.
- Presentation of two oral papers at the 3rd Comprehensive Health Research Centre Annual Summit, NOVA Medical School."
- Reviewer of Portuguese Journal of Public Health (PJPB), desde 2014.
<https://www.karger.com/Journal/Home/275178>
- Reviewer of Springer Nature: Scientific Reports
- Moderator at several conferences related to health information and hospital resource management.
- Speaker at several conferences related to health information and technologies.
- Invited Assistant Professor at National School of Public Health, Universidade Nova de Lisboa, since 2017.
- Invited Assistant at National School of Public Health, Universidade Nova de Lisboa, from 2008 until 2017.
- Coordinator of Digital Health Executive Course
- Coordinator of Basics on Digital Health Course of EIT-Health RIS Academy.
<https://eithealth.eventscase.com/EN/Digital>
- Coordinator of the disciplines of Health Information Management, Hospital Technologies and Equipments, Information Systems Used in Health and Logistic and Operations Management.
- Invited Professor at other schools - Executive education. PAE - Farmacoconomy and market access. CESIF. Lisboa. 2022.
- Invited Professor at other schools - Specialization course of Information Management and Business Intelligence. NOVA IMS, Universidade Nova de Lisboa. From 2012 until 2015, 2020-2021-2022.
- Invited Professor at other schools - Specialization course in Health Organizations. Clínica Sagrada Esperança. Luanda, Angola. 2013, 2015 and 2022.

- Project ""Partnerships for Science Education"". The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101006468. The project develops partnerships between schools, universities, companies, NGOs, public institutes, civil society organisations, involving them in efforts to enrich science education in schools with public health challenges, promoting an open school model.
- Papers given in conference: Health Psychology and pandemics: What did we learn?. VI Leipzig- Evora Scientific Meeting in Psychology. University of Evora, 03-04/10/2022.
- Papers given in conference: La enseñanza de los niños en riesgo en la escuela inclusiva. IV Congreso Internacional de Transformación Educativa, Toluca, México, 29-30/09/2022.
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- Health for All - Consolidation of the National Health System of Sao Tome and Principe - We contribute to universal access of the population of Sao Tome and Principe to quality health care and promote the availability, quality and growing autonomy of specialised health care provision in Sao Tome and Principe.
- Network for Evaluation of One Health (NEOH - EcoHealth International European Chapter) - active member for disseminating knowledge in One Health and promoting intersectoral collaborations
- HUMANIMAL Trust - member of the Scientific Committee for the dissemination of the benefits of the One Medicine approach (translational practices between animal and human health professionals)".
- Participation in three national and three international congresses in the field of aquatic therapy and writing.
- Project ONECARE applied for the Best Ideas in Healthcare awards of the Portuguese Medical Association. Born from the work done in the ENSP project management course, a prototype application was built for informal caregivers in the area of dementia, with the aim of reducing the impact of their condition on mental health. The project was one of the 10 finalists (out of 77 candidates), and was announced at the National Congress of the Portuguese Medical Association. This project results from a partnership between ENSP and the new IMS.
- SPLIT and MyBack dissemination actions in multiple Health institutions, Higher Education Institutions, Conferences and Conferences, training actions for health professionals.
- National Survey "Perception about antibiotic use". Cooperation Infeção e Desenvolvimento em Sépsis Group / Universidade Católica. Associate Researcher
- One health - role of microbiomes from meadow to plate" Debate at the Fundação Agricultural Innovation Fair, Fundão, October 2022.
- Chronicle Healthy living - The other side of fruit and vegetables: nitrates and nitrite. April 2022"
- 2nd ANDO Congress <https://www.andoportugal.org/congresso-ando-2023/>
- Member of the Scientific and Organizing Committees of the XLVII Congress of the Portuguese Society of Immunology - 2022, and of the Workshop/Interim Meeting of the Iberian Cytometry Society, organized in parallel, April 2022.
- Technical assessor and coordinator for Clinical Laboratories in collaboration with IPAC - Portuguese Accreditation Institute and INAB - Irish National Accreditation Board.
- Exploring Immunodeficiency: current applications and future challenges for Flow Cytometry, communication integrated in the BD Biosciences Commercial Session (speaker). - ESCCA European Society for Clinical Cell Analysis 2022 - Belfast, Northern Ireland, UK - 21 September 2022.
- "The importance of diagnosis and monitoring hematological diseases and the role of the immune system in the response to treatment", Panel Discussion, organization: Lucia Testolin, BD, co-panelist Professor Benedetto Bruno (co-panelist) - BD Biosciences EMEA Sales Meeting - Marbella, Spain - 12 October 2022.
- Ubuntu Project/ Ubuntu Higher Education Network.
- Portelada, A., Candeias, A., & João, A. (2022, may 13). Harassment at work and its relationship with burnout in teachers [Oral presentation]. 2nd Comprehensive Health Research Centre Annual Summit. University of Évora.
- Portelada, A., Candeias, A., & Galindo, E. (2022, May 13). Psychological vulnerability in Portuguese and German adults during COVID-19 pandemics - a comparative study [Oral presentation]. 2nd Comprehensive Health Research Centre Annual Summit. University of Évora."
- consultancy in medical writing, epidemiological study design, statistical analysis plan and data analysis
- Reis J & Oliveira MT (2022). From bone to neoplasia: multidisciplinary approaches. 2nd Conference on Experimental Pathology Competence - VII Luso-Brazilian Congress of Experimental Pathology - XVII Symposium on Experimental Pathology, Regional Section of the Centro da Ordem dos Médicos (SRCOM), Coimbra, May 28 and June 4, 2022.

- XIII International Forum on Ulcers and Wounds. Moderator of the round table on "Wound Research (Scientific Groups of ELCOS)
- Support in dynamising the activity "Mental Health of Higher Education Students" with the objective of alerting the academic community to the importance of promoting mental health which took place on 10 October 2022, World Mental Health Day.
- Oral Communication entitled "Factors influencing the Gains Sensitive to Rehabilitation Care in the Empowerment of the Dependent Person in Self-Care in a Nursing Home Setting", at the Fifth International Workshop on Gerontechnology
- João, A., & Portelada, A. (2022, May). Assessment of Psychosocial Risk Factors in Nurses one year after the start of the COVID-19 pandemic. CHRC 2nd Annual Summit. University of Évora, Portugal.
- João, A. (2022). Interpersonal Relations and Harassment at Work. In-service Training - Unidade de Saúde Familiar da Chamusca
- João, A. (2022). Psychosocial Risk Factors and Positive Psychological Capital. Training for the Continuous Improvement of Nursing Care Project. Hospital Distrital de Santarém.
- Scientific Reviewer of the Journal of Human Behavior in the Social Environment. Subject Area: Social Sciences. United States. "
- Organization of the 3rd National Congress of Immunoallergology "Progress and New Approaches" - Hospital da Luz Lisboa, Lisboa, Portugal - 27 May 2022.
- Member/participant of the National Vaccine Commission of the Ministry of Health, since 2013.
- Member of the Panel of Experts of the Technical Committee on Vaccination of the Ministry of Health, coordinated by the Directorate General of Health, since 2018.
- Collaboration in the development of content for the Hospital da Luz Lisboa website, with information of medical-scientific nature for patients."
- Development of advanced training: Pereira C. (2022) Gerontomotricity. Sports Training Project. Online training.
- December 2022 - Visão Saúde: Respiratory diseases
- November 2022 - RTP2 Channel: participation in the Civil Society Programme, on winter allergies.
- "World Heart Day 2022", held in Coimbra, aimed at highlighting cardiovascular prevention in the young adult at university age, which included initiatives such as the practice of sports, walking and clarification of doubts in the area of Cardiology (organisation: SPC).
- SPC 2022 Forum - Equity and accessibility in the COVID-19 Era held at the Centro Cultural de Belém in Lisbon in February 2022, which motivated a multidisciplinary discussion on the impact of the COVID-19 pandemic on cardiovascular disease (organisation: SPC).
- Production of a video in the CardiodaVida Project with the aim of improving health literacy and alerting the general population to the prevention and control of cardiovascular risk factors.
- Presence in various information programmes to clarify themes such as sudden death in the athlete and prevention of cardiovascular disease".
- MH Rights Project, financed by EEA Grants, including the carrying out and dissemination of 3 studies on mental health and human rights;
- Participation in a Podcast on mental health (promoted by Fumaça)
- Collaborative project with Misericórdia de Lisboa including dissemination of knowledge about mental health among professionals of the organisation
- Participation in activities to disseminate knowledge about mental health in municipalities (Relational Cities Project, promoted by Instituto Padre António Vieira)
- As member of the Board of APDH - Associação Portuguesa para o Desenvolvimento Hospitalar (Portuguese Association for Hospital Development) promotes and organises dissemination, training and support activities for the associated hospitals; as President of the General Assembly of the Association of Support to Professionals of Santa Maria Hospital, participates in the representation and strategic decision-making activities of the Casa de Santa Maria.
- Development of the Strategic Planning Project with Torres Vedras City Hall; Strategic Planning Project with Odivelas City Hall.

- 2022 - UÉvora - UniverCIDADE VII - Contract - Sports Development Program n.o CP/217/DDT/2022. IPDJ, I.P. Within the scope of this project, actions of interaction with the community were developed in different areas of knowledge
- Interaction with the Automation and Systems Laboratory of the Instituto Pedro Nunes, a partner of the NMS, testing its echographic robot ROSE and analysing the viability of its application in civil society, namely from a commercial point of view in the scope of remote care in Teleradiology.
- Presence as guest speaker at the Portugal Healthcare Innovation Summit 2022, speaking about the present and future of Digitalisation in Health, namely Teleradiology, and also Teaching and Research in new Technologies.
- Presence as guest speaker at the FutureMD Congress, addressing the impact of Technology in Medicine.
- Development of health promotion materials, addressed to professionals from different services and organisations, researchers, civil society and other elements of the community: Health literacy in migrant populations: health needs, access, understanding, use of information and services. Dias, S., Marques, MJ., Gama, A., Pedro, A. R., Barreiros, F. F., Loureiro, I. & Fernandes, A. C., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Development of health promotion materials addressed to professionals from different services and organisations, researchers, civil society and other community members: Migrant populations and covid-19: perceptions on the impact of the pandemic. Dias, S., Marques, MJ., Gama, A., Pedro, A. R., Barreiros, F. F., Hoffmeister, L. & Fernandes, A. C., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Development of health promotion materials, addressed to professionals from different services and organisations, researchers, civil society and other community members: Domestic Violence in times of Covid-19: gender inequalities and (new) contours of domestic violence? Dias, S., Gama, A., Guerreiro, A., Pedro, A. R., Quintas, J., Carvalho, M. J. L. & Duarte, V. M. D. S., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Poster - The quality of sleep as a protective factor against perinatal depression: literature review (3rd prize)
- Oral communication - Domestic violence: perspectives of health professionals in pre and post pandemic period
- Webinar lecturer - Capacity building of health care professionals - Importance and challenges of breastfeeding
- Oral paper - Obstetric Violence: A Concept Analysis from the Perspective of the Rodgers Evolutionary Model
- Lecturer - Changing Times, Changing Wills: Challenges of a New Era
- Poster - Depression prevention: midwife intervention to improve the quality of sleep in pregnant women
- Nutrition, bone health and reproductive health in gymnasts". Thematic Forum: "Nutrition in Gymnastics", Portuguese Gymnastics Federation.
- The perception of different sports agents about violence against athletes: position of a former coach and judge. 1st Congress of the National Observatory on Violence against Athletes - ObNVA, Campus Académico da Maiêutica, Universidade da Maia.
- Sleep, health and performance in young athletes. The Sporting Athlete: from training to performance. João Rocha Pavilion.
- Promotion of the "Brincar Lá Fora" project in partnership with Évora Municipal Council. Upgrading of school playgrounds and stimulation of play in the city of Évora.
- Development of the following health promotion material: Migrant populations and covid-19: perceptions on the impact of the pandemic. Dias, S., Marques, MJ., Gama, A., Pedro, A. R., Barreiros, F. F., Hoffmeister, L. & Fernandes, A. C., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Development of the following health promotion material: Health literacy in migrant populations: health needs, access, understanding, use of information and services. Dias, S., Marques, MJ., Gama, A., Pedro, A. R., Barreiros, F. F., Loureiro, I. & Fernandes, A. C., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Development of the following health promotion material: Domestic violence in times of Covid-19: gender inequalities and (new) contours of domestic violence? Dias, S., Gama, A., Guerreiro, A., Pedro, A. R., Quintas, J., Carvalho, M. J. L. & Duarte, V. M. D. S., 2022, Lisbon: National School of Public Health, New University of Lisbon.
- Participation as a speaker at the 2nd Jornadas de Enfermagem de Reabilitação do CHUA: REFLETIR A REALIDADE", on 16 December 2022, Faro, Algarve.
- II Ibero-American Colloquium Health, Education and Social Representations
- POST-PANDEMIC FUTURES AND NEW RELATIONAL MODUS IN THE CONTEXT OF HEALTH AND EDUCATION

- IWOOG
- Participation in the RTP2 programme Sociedade Civil - How to manage pain? The importance of pain management in paediatric age.
- CTI-Peer Support. Conducted webinars on Critical Time Intervention and Peer support in mental health.
- Member of the Committee invited by the Portuguese Society of Obstetrics and Maternal-Fetal Medicine responsible for the preparation of the following national standard: Lima, J., Domingues, A. P. c., Amaral, A. C., Borges, A., Nogueira-Silva, C., Serrano, F. t., Marques, I. s., Pinto, L. s., & Mariana Guimarães. (2022). Prevention of Venous Thromboembolism in Pregnancy, Delivery, and Postpartum: Clinical Guideline. *Acta Obstet Ginecol Port*, 16(1), 75-81.
- Member of the Committee invited by Sociedade Portuguesa de Obstetrícia e Medicina Materno-Fetal responsible for the elaboration of the following national standard: Monteiro, S. B., Lebre, A., Serrano, F. t., Martins, I. s., Reis, I., Lima, J., & Bombas, T. (2022). Recurrent pregnancy loss. *Acta Obstet Ginecol Port*, 16(2), 177-187.
- educational video on acufenuses - available on line; conference on acufenuses - luso-brazilian view - online Instagram platform
- Visiting assistant professor of ENT at Nova Medical School
- Regional Unit of Pharmacovigilance of the Centre and North Alentejo - Dissemination and awareness of the population on the importance of reporting suspected adverse drug reactions.
- e-health for people with type 2 diabetes
- Vice-Chairman of the Health Technology Assessment Committee (CATS, Infarmed)
- Intervention in the annual meeting of the European Society of Neuroradiology, in Lisbon.
- Intervention in the AIMS Masterclasses, held at FMUL.
- Microplastics: What are they, what are their effects on health and how to minimise exposure. Lecture held within the scope of the programme "Missão Ciência e Arte/Conversas com Ciência", a joint initiative of the University of Évora and Évora City Council for the dissemination of science.
- Held a training session at the Moita Secondary School on the theme "Respiratory diseases and COVID-19, care to be taken". 2022.
- Media appearances on COVID-19 and Mpox".
- Program Chair and Organizing Committee of the Fifth International Workshop on Gerontechnology, organized by the International Institute for Research and Innovation on Elderly (0499_4IE_4_PLUS_4_E), in Évora (Portugal) and Cáceres (Spain) from 17 to 18 November 2022. <http://4ieplus.spilab.es/workshop-2022/>
- International Institute for Research and Innovation on Ageing. Presentation of the Project at the European Researchers' Night 22/23, 30 September.
- Person-centered health intervention programs, provided at home to older adults with multimorbidity and their caregivers: protocol for a systematic review, oral communication presented at the Fifth International Workshop on Gerontechnology, University of Évora, November 17, 2022. (C15.25)
- Models of care centered on the institutionalized older adults in need of palliative care: a systematic review protocol, oral communication presented at the Fifth International Workshop on Gerontechnology, University of Évora, November 17, 2022. (C15.24)
- Depression in the elderly during the COVID-19 pandemic. What's new?, oral presentation presented at the International Seminar on Health, Community and Sustainability, Polytechnic Institute of Beja, November 4th. (C15.23)
- Safety and Family-Centered Care During the COVID-19 Pandemic: The Experience of Families, oral communication presented at the 12th APEGEL International Congress, Pico Island, Azores, October 20, 21 and 22. (C15.22)
- Nurses' perception of the removal of families from the hospital: implications for the family, oral communication presented at the 12th APEGEL International Congress, Pico Island, Azores, October 20, 21 and 22. (C15.21)
- Nurses' perception of the Removal of Families from the Hospital: Implications for the patient, oral communication presented at the 12th APEGEL International Congress, Pico Island, Azores, 20, 21 and 22 October. (C15.20)
- Nurses' perception of the removal of families from the hospital: implications for care practice, oral communication presented at the 12th APEGEL International Congress, Pico Island, Azores, October 20, 21 and 22. (C15.19)

- Implications of distancing measures from the hospitalized person's families – nurses' perception, oral communication presented at the International Congress of Nursing Research, Porto Nursing School, 14th and 15th of July. (C15.18)
- Psychometric analysis of the scale of attitudes towards alcohol in Portuguese health professionals, oral presentation presented at the International Congress of Research in Nursing, Escola Superior de Enfermagem do Porto, 14 and 15 July. (C15.17)
- President of the Society of Pediatric Endocrinology of the Portuguese Society of Pediatrics (SEDP-SPP) since 2017
- Member of the Portuguese Medical Association (OM)
- Member of the Portuguese Society of Pediatrics (SPP)
- Member of the Portuguese Society of Endocrinology, Diabetology and Metabolism (SPEDM)
- Member of the Portuguese Diabetes Society (SPD)
- Member of the International Society of Pediatric and Adolescent Diabetes (ISPAD)
- Member of the SPD Study Group dedicated to Diabetes in children and adolescents, since 2011
- Coordinator of the working group dedicated to pubertal diseases (SEDP-SPP) since 2017
- President of the Scientific Committee of the Annual Meeting of the Society of Pediatric Endocrinology of the SPP, Vola Nova de Gaia, 2022
- Member of the Scientific Committee of the 21st Annual Congress of the Portuguese Society of Pediatrics. Porto, November 2022
- Interview to the newspaper Publico: ""More and more girls enter puberty earlier. The pandemic may have accelerated this trend""
- Coordination and participation in the film aimed at schools: Diabetes at School released on social networks and YouTube
- Coordinator of the international team of writers of the international Consensus of ISPAD 2022
- Sweet project coordinator at Hospital Dona Estefânia
- Member of the DGS working committee for the National Diabetes Program (PND) - Treatment Centers with Continuous Subcutaneous Insulin Infusion, since 2019.
- Round table moderators at scientific meetings - Updates in Fetal Medicine and 6th SPOMMF Congress
- Interview Jornal Público - Pregnancy loss: "It is very important to avoid the temptation to medicalize the feeling""
- CHRC Summit - November conference - Detecting COVID using artificial intelligence - the OSCAR
- "World Day of Rheumatic Diseases" – Bom Dia Portugal Program. RTP. 12th October 2022.
- "The importance of calcium in musculoskeletal health" - Viva Saúde Program. RTP Africa. 5th August 2022.
- "Lupus in Portugal" – Portugal Live Programme. RTP. 10th May 2022.
- "World Lupus Day" – Portugal Live Programme. RTP. 10th May 2022.
- "National Day for Patients with Rheumatoid Arthritis" – Bom Dia Portugal Programme. RTP. 5th April 2022.

3.7.2. Provision of services to the community / civil society

Total: 55

- Emergencies course for monitors of summer camps of the Parish Council of Arroios
- PIC_CHULN Project - Creation of an integration and continuity of care process
- GesCon-Dependência - Knowledge Management Platform for Caregivers of Dependent People
- The Social Responses in the Path of Care for the Person with Dependency: Training of different IPSS professionals for the Training of Caregivers
- Identification, measurement and valuation of costs". Online Course Portuguese Association of Pharmacy Students (APEF) – Pharmacoeconomics.
- Use of the Hospital Morbidity Database for research". 29th Edition of the Clinical Coding Course. ACSS and ENSP-NOVA – Lisbon (1h40).
- Economic evaluation in Health Technologies". 2nd Edition of the Outcomes Research Course. National School of Public Health (3h). "
- National Index of Access to Hospital Medicine 2022 Edition – interim study. Oliveira-Martins S, Advinha AM. National Index of Access to Hospital Medication – 2021 Edition. Portugal; 2022.
- Report publicly presented on October 18, 2022 at the Centro Cultural de Belém, but not yet made available in full by APAH - Associação Portuguesa de Administradores Hospitalares.
- PSC Microbiology
- Detection of Cytomegalovirus DNA in biological samples (blood, urine, other biological fluids, early diagnosis cards, biopsies) - provision for the Germano de Sousa Laboratory Medicine Center and other Hospital Centers in the Lisbon region
- Detection of Cytomegalovirus resistance to ganciclovir - provision for Hospital Centers in the Lisbon region"
- 3 months of free yoga classes for Portuguese Air Force student pilots as part of their PhD study
- Teacher of group classes for seniors citizens. These classes consisted of stimulation of the sensorimotor system.
- Through the Reforma Ativa program, I taught classes for six months to a group of elderly residents in the municipality of Almada, after a protocol was signed between the university and the Municipality of Almada.
- Trainer in the Study of Complex Intervention - The Social Responses in the Path of Care for Persons with Dependence, with the objective of Training different IPSS professionals for the Training of Caregivers, which took place in the e-learning format, from the 30th of May to July 31, 2022."
- Health for All – Consolidation of the National Health System of São Tomé and Príncipe - We contribute to the universal access of the population of São Tomé and Príncipe to quality health care and promote the availability, quality and growing autonomy of the provision of specialized health care in Sao Tome and Principe.
- With Editora Raiz in the scope of the elaboration of a notebook for the exclusive use of the teacher, as a complement to the GeoVisão 9 project, entitled DUA – Universal Learning Design.
- "Diagnosis of open-air consumption of psychoactive substances in the municipality of Amadora
- ACAD - Academy for the Training of Patient Associations"
- The activity of the Laboratory of Immunology and Primary Immunodeficiencies of the NMS, framed as a Provision of Services to the Community of the Faculty, is centered on carrying out specific tests for the laboratory approach of Primary Immunodeficiencies, with collaborations with several hospitals, particularly in the south region and islands . Several other collaborations also stand out for the diagnostic approach and the structuring and implementation of research projects in various pathologies of the immune system, such as allergic diseases or autoimmune diseases, among others.
- Consultancy in epidemiology and statistics
- Veterinary Hospital of the University of Évora - Veterinary medical care center in the Mitras Pole, Valverde-Évora, with consultation open to companion animals and livestock species from the civil community.
- Integrated Functional Assessment (PSC-AFI), which is part of the Functional Respiratory Study Laboratory of the Faculty of Medical Sciences of Universidade Nova de Lisboa.

- Technical-scientific support on mental health legislation through participation in the Mental Health Law Review Group, created by the Ministries of Health and Justice
- Consultancy at Instituto Irmãs Hospitaleiras do Sagrado Coração de Jesus, aiming to contribute to the strategy for the sustainability of activities in the area of mental health.
- Provision of service to the community, within the scope of CMV research by molecular biology method, in various samples of biological products, including foot diagnosis cards. CMV Resistance Tests to Ganciclovir are also carried out. These services are carried out for Centro Laboratorial Dr Germano de Sousa, and other public and private institutions.
- Consolidation of the innovation and research ecosystem of the Telemedicine Centre, one of the largest European exporters of Teleradiology services, which already uses its own entirely cloud-based technology platform, operating with absolute dematerialization of production processes.
- Scientific coordinator of the monitoring and evaluation component of the Municipal Strategy “Local Pact to End the HIV/AIDS Epidemic in Amadora – Fast-Track Cities Amadora” (City Council of Amadora) and coordinator of the technical-scientific support team for the Coordination of the Municipal Strategy “Cascais on the Fast Track to end the HIV and Viral Hepatitis epidemic – Fast-Track Cities Cascais”, with a focus on monitoring and evaluating the municipal strategy (City Council of Cascais and Ser+ Association).
- Member of the Consultative Committee of the “Lisbon City Without AIDS - Fast-Track Cities” Strategy, a municipal strategy that emerged following the adherence of cities to the Paris Declaration, and which seeks to achieve the objective of mitigating the epidemic as a public health problem (Chamber Municipality of Lisbon).
- Scientific supervision in the Stigma Index study: Index of the Stigma of People Living with HIV - a study with the aim of generating evidence on stigma, discrimination and the rights of people with HIV in Portugal (Centro Anti-Discrimination VIH/SIDA, Associações Ser+ and GAT).
- Coordinator of the project “Assessment of the Social Prescription Project in Family Health Units in Lisbon” (Lisbon City Hall).
- Conducting a course certified by the CPR/ERC for physicians, nurses and nursing students, as well as awareness-raising actions in secondary schools
- Operation POISE / Portugal 2020 / ESF (European Social Fund), Ref. no. POISE-01-3726-FSE-000019; Promoter entity: General Union of Workers (UGT)
- Coordination of Studies in Hospital Units
- Scientific Consultancy in the context of research studies for the Pharmaceutical Industry"
- tinnitus educational video - available online; conference on tinnitus - luso-brazilian view - online Instagram platform
- Central and North Alentejo Regional Pharmacovigilance Unit (UÉvora, INFARMED, I.P.)
- Diagnostic Study of Dependence on Psychoactive Substances in the municipality of Amadora, at the request of the Municipality of Amadora.
- 4 Humanitarian Missions in São Tomé and Príncipe, at Hospital Ayres de Menezes (2) and another 2 in Príncipe, Health Posts outside the center of São Tome with the aim of training local professionals.
- Telemedicine consultations with Sao Tome and Principe"
- Availability of an online physical exercise offer for people with type 2 diabetes.
- Portuguese Rugby Federation Level 4 Rugby Coach Course. Training of future coaches
- Training program for professionals in the social area of Santa Casa da Misericórdia de Lisboa, aimed at better managing users with mental health problems. This program ran between 2018 and 2022 and included clinical supervision by so-called SCML professionals and seminars on mental health topics.
- Resistance to ganciclovir in CMV (only center in the south to carry out)
- Molecular biology analyzes for CMV: we carry out these diagnoses for the Centro de Medicina Laboratorial Germano de Sousa
- CMV research in dried blood spots: for several institutions in the country"
- PIC_CHULN. Design of the Care Route and Definition of the Individual Care Plan within the scope of the “Outpatient Care / Integration of Care Project”. Beginning: April 2021 Financier: Centro Hospitalar Universitário de Lisboa Norte, E.P.E. Financing: €34,975.00. Service Provider: University of Évora.
- AlenRisco. Know Global, Act Local - Diagnostic assessment and intervention project in the context of risk behaviors and consumption of psychoactive substances, created in 2019. Reference: PTDC/SAU-ENF/7828/2020, made up of researchers from the University of Évora and partners: Unit of Local Intervention in Addictive Behaviors of Évora / DICAD of ARS Alentejo; Directorate-General for School Establishments – Directorate of Services for the Alentejo Region; Public Health Department of ARSAlentejo"

- Coordinator of the working group dedicated to pubertal diseases (SEDP-SPP) since 2017
- Coordination and participation in the film aimed at schools: Diabetes at School released on social networks and YouTube
- Coordinator of the international team of writers of the international Consensus of ISPAD 2022
- Sweet project coordinator at Hospital Dona Estefânia
- Respiratory functional assessment - performing respiratory function tests on patients with external referral

3.7.3. Participation as an active member of a civil society and scientific organization

Total: 179

- Member of the Board of the Society of Medical Sciences of Lisbon;
- Jury of the Theoretical Test of the General and Family Medicine Specialty Examination.
- Brain Aging and Dementia Study Group (member)
- IPA - International Psychogeriatric Association(member)
- Lisbon Institute of Mental Health - Member of the Scientific Council
- Portuguese Society of Psychiatry and Mental Health (Section of Geriatric Psychiatry) (member)
- Portuguese Society of Family Therapy(member)
- Portuguese Society of Pediatrics (member)
- Portuguese Society of Neonatology - Nutrition Committee (member)
- Portuguese Society of Clinical Nutrition and Metabolism (member)
- Portuguese Society of Gastroenterology and Pediatric Nutrition(member)
- Portuguese Association of Enteric and Parenteral Nutrition - coordinator of the Pediatrics Section
- European Society for Pediatric Gastroenterology Hepatology and Nutrition (member)
- SNS Foundation - Member of the General Council (member)
- Portuguese Society of Geriatrics and Gerontology - Member of the Board.
- Member of the RAC (ECHA)
- Member of the Scientific Committee (EEA)
- Vice President of the Portuguese Association of Medical Imaging and Radiotherapy
- Chairman of the supervisory board of the Portuguese Association for the Promotion of Public Health (APPSP).
- Member of the ethical and scientific committee of Associação Sobre Viver After Suicide
- Founding member of Associação Sobre Viver After Suicide
- President of the general meeting of Associação Sobre Viver After Suicide
- Collaboration with AEFUL – Student Association of the Faculty of Pharmacy of the University of Lisbon
- Effective member of the AEFUL Advisory Board – biennium 2022/2023
- Vice President of the Portuguese Swimming Federation
- Coordinator of the Legionnaires' Disease Integrated Epidemiological Surveillance Program of the Epidemiology and Statistics Division of the Directorate of Information and Analysis Services of the Directorate-General for Health
- ESCMID - European Society of Clinical Microbiology and Infectious Diseases (member)

- ESGLI - ESCMID Study Group for Legionella Infections (member)
- SPM – Portuguese Society of Microbiology (member)
- SPDIMC – Portuguese Society of Infectious Diseases and Clinical Microbiology (member)
- OB -Association of Biologists (member)
- EUROPEAN EDUCATIONAL ADVISOR DA AOSPINE INTERNATIONAL (member)
- PRESIDENT OF THE ADVISORY BOARD OF THE PORTUGUESE SOCIETY OF ORTHOPEDICS AND TRAUMATOLOGY"
- Consultant in the Project "CONSTRUCTIVE FOCUS ON MUJERES WITH GESTATIONAL LACK OF THE PRIMER TRIMESTRE" submitted to the Junta de Andalucía - Consejería de Salud y Familias
- Vice-President of the Portuguese Society of Cardiology
- President of the Scientific Committee of the Portuguese Congress of Cardiology 2023
- Scientist Back to School (Native Scientist educational program)
- MetAlentejo - Association for psychosocial well-being in the community - Member of the general assembly
- Member of the National Association of Nutritionists
- Reviewer of abstracts for the Society for Epidemiologic Research
- Reviewer of abstracts for the Nutrition Society
- Reviewer of abstracts for the American Society for Nutrition
- Coordinator Polo Lisboa of the Portuguese Gifted Children Association
- Vice President of the International Diabetes Federation.
- Member of the Plenary of the Ethics Committee for Clinical Investigation.
- Member of the Advisory Board of the Health Regulatory Entity.
- Organizing and Training Committee of the National Confederation of Solidarity Institutions (CNIS) project Study of Complex Intervention - The Social Responses in the Path of Care for Persons with Dependence, with the objective of Training different IPSS professionals for the Training of Caregivers, which took place in the e-learning format, from 30 May to 31 July 2022.
- Member of the Association of Physiotherapists
- Member of the Portuguese Association of Hospital Administrators (APAH) - Coordinator of a working group
- Member of the Portuguese Association of Hospital Administrators (APAH) - Member of governing bodies
- Member of Veterinarians Without Borders -Portugal;
- Representative of the ONGD in the working committee of Veterinarios Sans Frontières - International;
- Member of the Study and Planning Office of the Order of Physiotherapists
- Member of the board of the Interest Group in Musculoskeletal Physiotherapy of the Portuguese Association of Physiotherapists"
- Volunteer as treasurer at Associação Crescer com Sentido (IPSS)
- Sociedade Portuguesa de Medicina Interna - Elected member of the secretariat of the core of studies on emergency and acute care
- Sociedade Portuguesa de Medicina Interna - Elected member of the secretariat of the core of training in Internal Medicine.
- Member of the Editorial Board of Revista Medicina Interna (scientific journal of the Portuguese Society of Internal Medicine)
- Editor-in-Chief of the newly created scientific journal Lusiadas Scientific Journal, a scientific journal of the Lusiadas Saúde Group
- Scientific arbitration at conferences and congresses, organization of scientific events
- Bridge between SPMI and ENSP for the construction of the LOCUS project"
- Presidency of the Executive Committee - Sepsis Infection and Development Group
- Member of the Portuguese Society of Pharmacology
- Founding member of the Portuguese Society of Human Nutrition and Metabolism

- Chairman of the Board of ANDO Portugal
- Associação Portuguesa de Psicomotricidade: Vice-coordination of the INVESTIGATION COMMITTEE
- Associação Portuguesa de Psicomotricidade: President of the ETHICS COMMISSION
- Portuguese Society of Pulmonology (SPP) (member)
- European Respiratory Society (ERS) (member)
- European Association of Bronchoscopy and Interventional Pulmonology (EABIP)" (member)
- Member of the Board of Directors of the Sociedad Ibérica de Citometria
- Coordinator of the Working Group "Accreditation in Flow Cytometry Laboratories".
- Member of the ESCCA Working Group "ESCCA Harmonization committee: Measurement Uncertainty".
- Member of ISAC's SRL Outreach Task Force.
- Member of the Interest Group on Primary Immunodeficiencies at SPAIC.
- Member of the Comprehensive Health Research Center (CHRC)
- Collaborating Member of the Center for Research in Quality of Life (CIEQV)
- Clinical Director of the Veterinary Hospital of the University of Évora
- Member of the Order of Nurses, Board of Directors of the Southern Regional Section
- Regional coordinator of ELCOS – Portuguese Society of Wounds
- Secretary of the General Assembly of the Portuguese Association of Epidemiology (APE)
- Member of the General Assembly of the Portuguese Association of Epidemiology (APE)
- Alternate representative of the National School of Public Health on the Technical Committee for Reviewing the List of Occupational Diseases since 2019.
- President of the Committee on Occupational Medicine in Hospitals of the Portuguese Society of Occupational Medicine
- SPAIC - Portuguese Society of Allergology and Clinical Immunology (member)
- EAACI - European Society for Clinical Cell Analysis" (member)
- Portuguese Association of Physiotherapists - Interest Group in Musculoskeletal Physiotherapy - President of the Board
- Vice-President Portuguese Society of Allergology and Clinical Immunology;
- Editor of the European Annals of Allergy and Clinical Immunology
- Secretary General of the Portuguese Society of Cardiology
- President of the General Assembly of the Portuguese Society of Sports Medicine
- Member of the Assembly of the Portuguese Paralympic Committee
- Member of the Board of APDH - Portuguese Association for Hospital Development
- President of the General Assembly of the Association for the Support of Professionals at Hospital de Santa Maria
- President of the General Council of the Polytechnic Institute of Beja
- Consultant at the Instituto Irmãs Hospitaleiras do Sagrado Coração de Jesus
- Vice President of the Portuguese Association for the Promotion of Public Health
- Deputy in the Parish Assembly of Nossa Senhora de Conceição and S. Bartolomeu in Vila Viçosa.
- Member of the Scientific Council of the Portuguese Gymnastics Federation
- CEO of a Telemedicine Center.
- Member of the Scientific Council for Life and Health Sciences of the Fundação para a Ciência e a Tecnologia – CCCVS
- Member of the organizing committee of the 2nd Summit CHRC
- Member of the scientific committee 3rd Summit CHRC
- Guest editor of Nursing report - special edition ""Patient-centered Care With Chronic Diseases

- President of the scientific committee of the Portuguese Gymnastics Federation
- Scientific Committee of the International Seminar - Compassionate Care at the End of Life (April 26, 2022, ESSATLA).
- Scientific Committee of las Jornadas Internacionais de Enfermagem da ESSATLA: Nursing: imperatives and challenges in uncertain times (July 15, 2022, ESSATLA)
- Scientific Committee of the Webinar. PERSON WITH PARKINSON'S DISEASE: MANAGEMENT OF NON-MOTOR SYMPTOMS (11/28/2022, ESSATLA).
- Member of the Technical Team of Café Memória de Évora
- Representative of the World Federation for Mental Health at the World Health Organization.
- Professional Internships Advisor at OPP - Order of Portuguese Psychologists
- Regional Delegate of ANEIS - National Association for the Study and Intervention in Giftedness
- Active reviewer member of the APA – American Psychological Association.
- Active reviewer member of IACEP – International Association of Cognitive Education and Psychology.
- Active reviewer member of ISIR – International Society for Intelligence Research.
- ESRAD - European Society for Research in Adult Development
- Portuguese Society of Obstetrics and Maternal-Fetal Medicine
- Portuguese Society of Gynecology
- European Society of Human Reproduction and Embryology ESHRE; # Member of the College of Gynecology and Obstetrics of the Portuguese Medical Association (triennium 2021-2023)
- Member of the organization of educational events at APO - Associação Portuguesa de Otoneurologia
- Member of the organization of training events at APO - Portuguese Association of Otoneurology
- Board Member of APO - Portuguese Association of Otoneurology
- Organization of the Tinnitus from diagnosis to treatment course at Ahed - Advanced health education
- Coordination of the Tinnitus from diagnosis to treatment course at Ahed - Advanced health education
- Deputy Director of the National Association of Public Health Physicians
- Member of Executive Committee, Chair of the SIG Committee; European Health Psychology Society
- Coordinator and responsible for the exercise program of the Local Health Unit of Guarda
- Vice-president of the Health Technology Assessment Commission (CATS, Infarmed)
- Participation in the annual meeting of the following society, through presentation of oral communications and/or poster: IMGA- International Medical Geology Association.
- Participation in the annual meeting of the following society, through presentation of oral communications and/or poster: SETAC- Society of Environmental Toxicology and Chemistry.
- Participation in the annual meeting of the following society, through presentation of oral communications and/or poster: SPB- Sociedade Portuguesa de Bioquímica."
- Chairman of the board of Recomeço - Private Institution of Social Solidarity, headquartered in Amadora
- Clinical supervision of the GIRA teams - Intervention and Active Rehabilitation Group, Private Institution of Social Solidarity, based in Lisbon"
- Secretary of the Assembly of the Social, Cultural and Sports Association Unidos de Rossas, Arouca
- Regional Leader of the Portuguese Nurses Union, with four-year terms (2019-present)
- Member of the Supervisory Board of ASPESM – The Portuguese Society of Mental Health Nursing, with a three-year mandate (2021-current)
- Society of Pediatric Endocrinology of the Portuguese Society of Pediatrics (SEDP-SPP)

- Portuguese Medical Association (OM) (member)
- Portuguese Society of Pediatrics (SPP) (member)
- Portuguese Society of Endocrinology, Diabetology and Metabolism (SPEDM) (member)
- Portuguese Society of Diabetes (SPD) (member)
- Society of Pediatric Endocrinology of the Portuguese Society of Pediatrics (SEDP-SPP) (member)
- International Society of Pediatric and Adolescent Diabetes (ISPAD)
- SPD Study Group dedicated to Diabetes in children and adolescents (member)
- Working group dedicated to pubertal diseases (SEDP-SPP)
- Scientific Committee of the Annual Meeting of the Society of Pediatric Endocrinology of the SPP, Vila Nova de Gaia, 2022
- Scientific Committee of the 21st Annual Congress of the Portuguese Society of Pediatrics. Porto, November 2022
- Participation in the film aimed at schools: Diabetes at School released on social networks and YouTube
- Coordination in the film aimed at schools: Diabetes at School released on social networks and YouTube
- International team of ISPAD 2022 international Consensus writers
- Sweet International Project at Dona Estefânia Hospital
- DGS working committee for the National Diabetes Program (PND) - Treatment Centers with Continuous Subcutaneous Insulin Infusion
- President of the College of the Subspecialty of Maternal-Fetal Medicine of the Portuguese Medical Association
- Associate Editor of Acta Obstetrica e Ginecológica Portuguesa (AOGP)
- Member of the Scientific Council of Acta Médica Portuguesa
- Lecturer (Conference title - Cough, asthma and anticholinergics) of the Portuguese Society of Allergology and Clinical Immunology
- Organization of the XXIV Portuguese Rheumatology Congress. October 2022. Algarve, Portugal
- Editor of the "Frontiers in Medicine" journal
- Member of the Editorial Board for ARP Rheumatology Journal
- Reviewer of ARP Rheumatology Journal
- Reviewer of the journal "Arthritis Research and Therapy"
- Reviewer of the "Portuguese Journal of Public Health"
- Reviewer of the "Frontiers in Medicine" journal
- Member of The Order of Physicians
- Member of the EULAR Task Force on remote care
- Member of the Scientific Board of Maratona da Saúde
- Editor ""Frontiers in Medicine""
- Editor ""Nutrition""
- Member of the editorial group of Acta Reumatológica Portuguesa
- Reviewer of Acta Reumatológica Portuguesa
- Reviewer of Acta Médica Portuguesa
- Reviewer "BioMed Research International"
- Reviewer ""Arthritis Research and Therapy""

- Member of the Portuguese Medical Association (OM)
- Member of the Portuguese Society of Pediatrics (SPP)
- Member of the Portuguese Society of Endocrinology, Diabetology and Metabolism (SPEDM)
- Member of the Portuguese Diabetes Society (SPD)
- Member of the International Society of Pediatric and Adolescent Diabetes (ISPAD)
- Member of the SPD Study Group dedicated to Diabetes in children and adolescents

4. FINANCIAL EXECUTION

4.1. Financial execution until December 2022

The overall financial execution (includes information from all management institutions) of CHRC **Structural / Base Funding** until December 2022 is presented in the table below. Recall that by December 2022, a 75% execution rate of this funding would be expected, as 100% would be reached by December 2023

	2020-2023 BUDGET	2020-2022 EXPENDITURE	%
Human resources	€ 745 142,86	€336 921,10	45%
Missions	€ -	-	
Consultants	€ -	€540,00	
Acquisition of goods and other services	€ 570 017,12	€211 291,72	37%
Patent registration	€ -	-	
Adaptation of buildings and facilities	€ -	-	
General expenses	€ 358 539,99	€220 975,02	62%
Demonstration, dissemination and promotion	€ 116 000,00	€2 551,30	2%
Other current expenses	€ -	-	
Equipment	€ 3 000,00	€707,95	24%
Total	€ 1 792 699,97	€771 919,68	43%

The overall financial execution (includes information from all managing institutions) of the CHRC **Programmatic Funding** up to December 2022 is presented in the table below. Recall that by December 2022, a 75% execution rate of this funding would be expected, as 100% would be reached by December 2023

	2020-2023 BUDGET	2020-2022 EXPENDITURE	%
Human resources	€ 724 285,71	€ 382 587,62	53%
Missions	€ 419 474,29	€ 251 638,18	60%
Acquisition of goods and other services	€ 83 000,00	€ 44 867,92	54%
Demonstration, dissemination and promotion	€ 125 740,00	€ 73 852,27	59%
Other current expenses	€ -	€ -	-
Equipment	€ 109 500,00	€ 61 336,80	56%
Total	€ 1 462 000,00	€ 814 282,79	56%

Main conclusions concerning:

- **Base Funding:** the total execution rate of base funding is still below the forecast – pointing at 75% in all items: 43%. However is a fair recovery since last year – in 2021 execution was 11.6%. Items can break down this execution: human resources 45%, acquisition of goods and services 37%, general expenses 62% and equipment 24%.

- **Programmatic Funding:** Although the financial execution is below the 75% expected for this moment, we managed to recover a fair amount of the financial execution 56%, compared to the previous 26%. Headings can break down this execution: human resources 53%, missions 60%, acquisition of goods and other services 54%, demonstration, dissemination and promotion 59%, and equipment 56%.

This very fragile situation of financial execution is due, so far, to two main factors. On the one hand, the pandemic crisis that delayed the start of the strategic performance, a situation widely described in the 2020 management report, but which somehow also had an impact still in the year 2021, and in 2022 we are still recovering from that slow start.

The second factor is related to the difficulties experienced concerning the agility of the bureaucratic aspects that mark the procedures for acquiring goods, services, and equipment and hiring human resources. The delays in these processes are longer than expected.

The Executive Committee of the CHRC initiated a financial recovery plan in January 2022, which aims to address this situation and leverage the financial execution of both fundings of the CHRC, having for this purpose reformulated the strategic document of the CHRC.

Briefly, it should be mentioned that this plan strongly bets on the reinforcement of objective 1: To strengthen the research team to establish an intellectual power-house in the critical research areas of the CHRC, with new full-time researchers under cross-sectional research projects. This action translates into hiring two post-doctoral fellows and hiring one FTE in the area of engineering and technological development. The reinforcement of the first strategic objective will be financed through base funding.

Strategic Objective 2: To increase the ability to attract public and private funding. One strategic goal is to increase our participation in international projects, and another is to obtain funding from pharmaceutical companies and philanthropic sources, which will also be reinforced through core funding and translates into the hiring of 1 more FTE post-doc.

Strategic Objective 7: Results communication, international visibility, and scientific culture promotion will also be reinforced through base funding, hiring more human resources in this area.

The objective of assuring structure, management, and organization will be reinforced by hiring a human resource in project management, acquiring consulting services for the organization of procedures, and finally, hiring a human resource in the area of business analytics.

Finally, concerning core funding, support for scientific publications and missions that correspond to an increase in the internationalization of the research unit will be reinforced.



This report was elaborated based on information collected from 154 questionnaires on the scientific indicators filled by CHRC integrated members. This questionnaire was launched by email in 10th January. For the purposes of the management report, data received up to 13th February was considered. The research support services of all management institutions were also consulted, with respect to applications prepared, projects funded, and scientific publications.

This report was delivered in 21st March, 2022.

This management report was approved by CHRC Executive Committee.