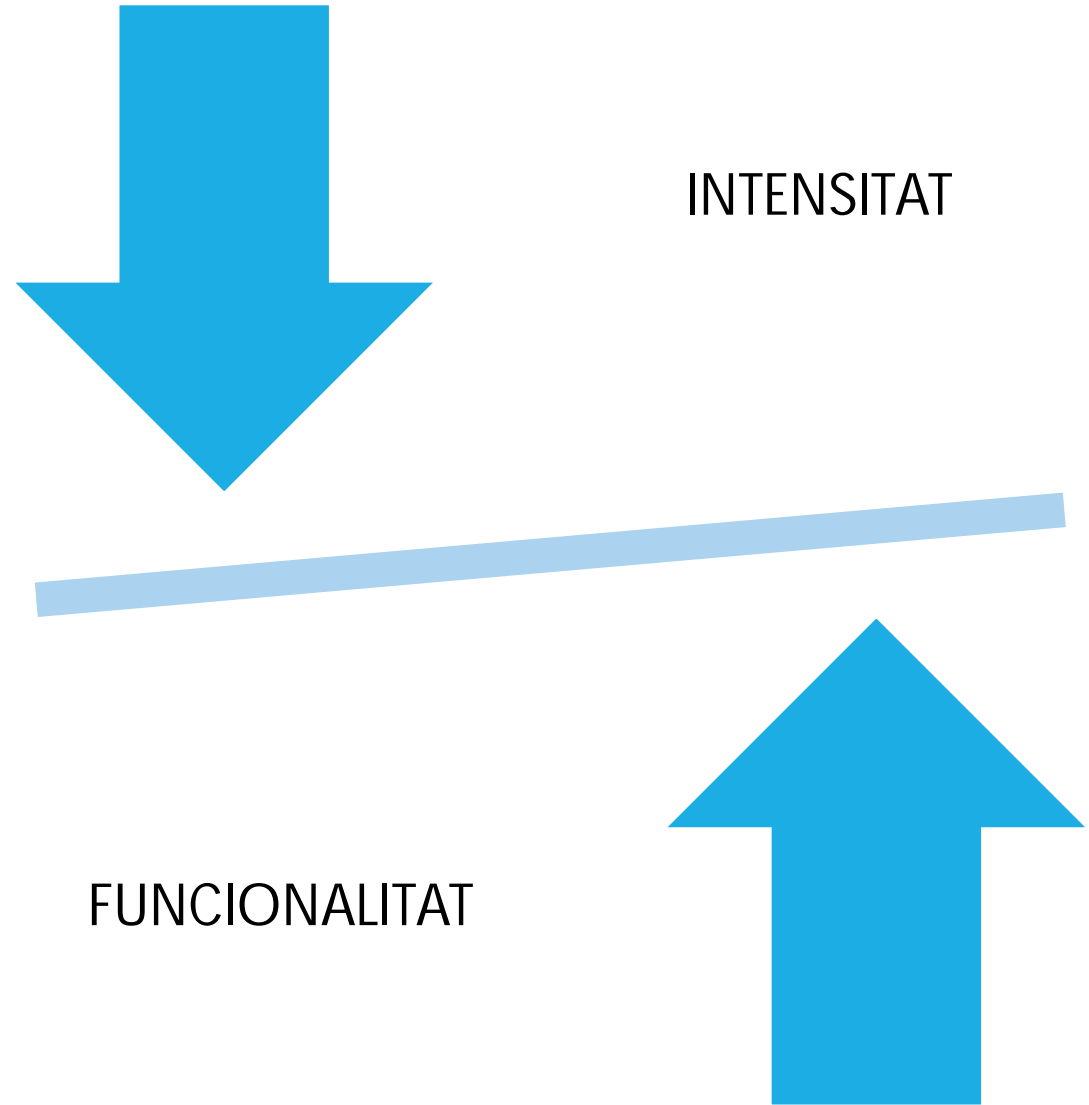


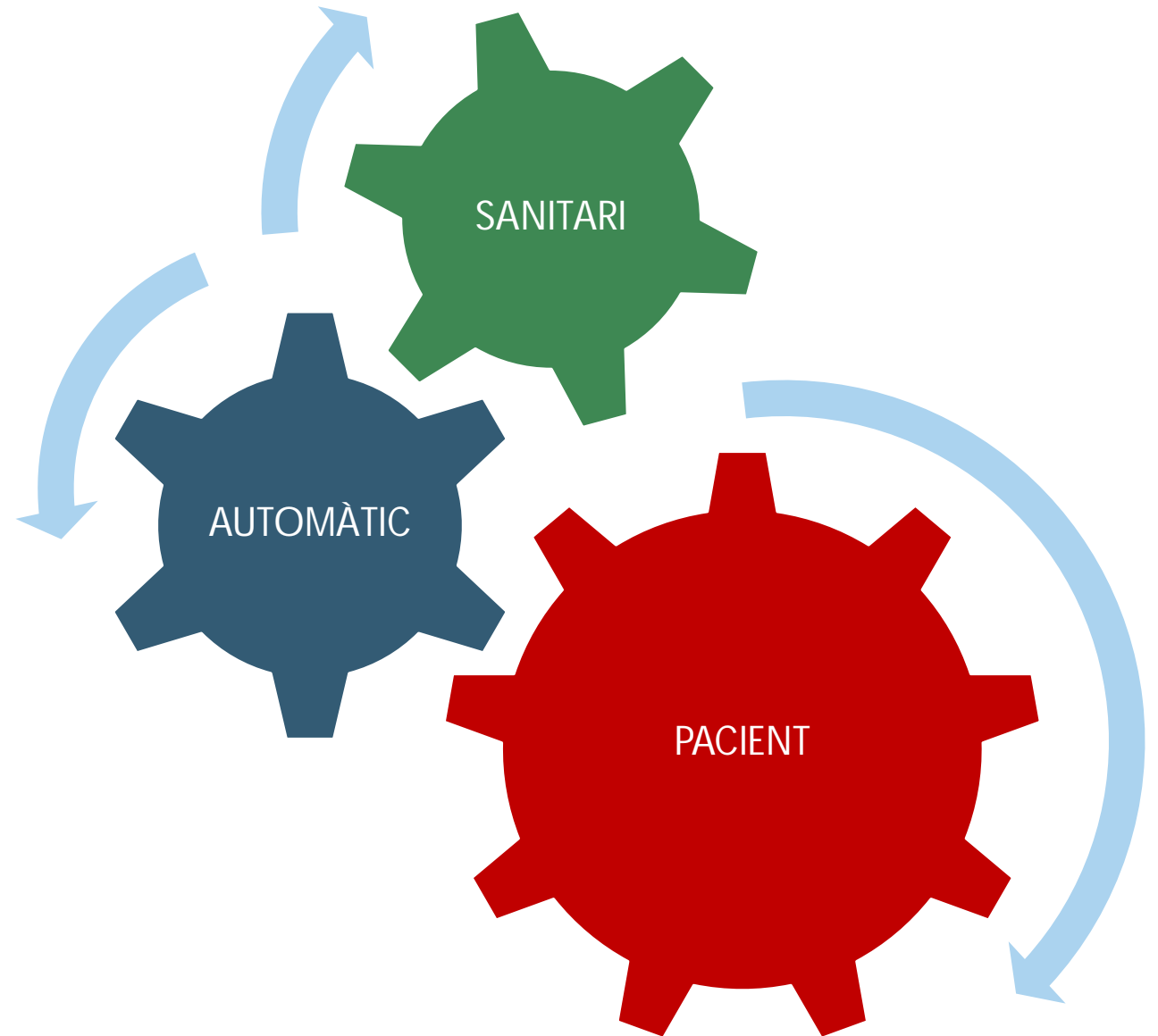
APPS Y WEARABLES EN DOLOR

VICTOR MAYORAL ROJALS
UTD ANESTESIOLOGIA
HOSPITAL UNIV BELLVITGE

¿QUINES DADES?



¿QUI LES
REGISTRA?



IMMPACT

<http://www.immpact.org/>

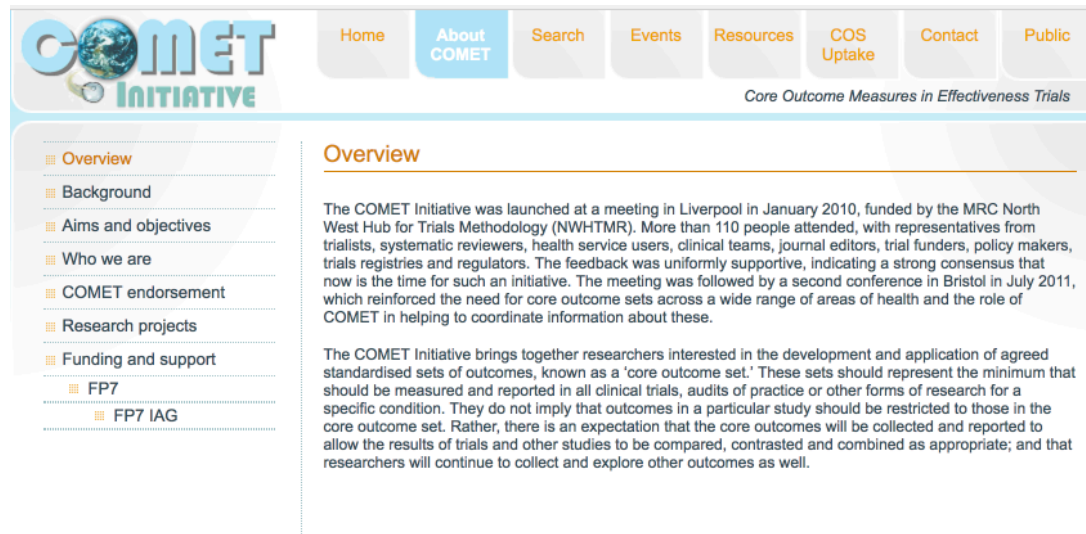
Initiative on Methods, Measurement, and Pain Assessment in Clinical Trials

The mission of the Initiative on Methods, Measurement, and Pain Assessment in Clinical Trials (IMMPACT) is to develop consensus reviews and recommendations for improving the design, execution, and interpretation of clinical trials of treatments for pain. The first IMMPACT meeting was held in November 2002, and there have been a total of twenty consensus meetings on clinical trials of treatments for acute and chronic pain in adults and children. Invited participants come from academia, regulatory agencies (US Food and Drug Administration, European Medicines Agency), US National Institutes of Health, US Veterans Administration, consumer support and advocacy groups, and industry. The disciplines represented at meetings varies but has included anesthesiology, clinical pharmacology, internal medicine, law, neurology, nursing, oncology, outcomes research, psychology, rheumatology, and surgery. For all IMMPACT meetings, an attempt is made to include broad representation while limiting the size of the meeting to promote vigorous and frank discussion and debate.

IMMPACT recommendations and systematic reviews have been widely cited and have guided the design of clinical trials, other types of clinical research, and a national survey. Additional consensus meetings are planned, and research initiatives involving the assessment of pain and the design and interpretation of clinical trials are ongoing. IMMPACT has received favorable responses from all of its stakeholders, who believe that this multidisciplinary initiative has made significant contributions to improved understanding of pain and its treatment.

VARIABLES A RECOLLIR ...

COMET INITIATIVE



The screenshot shows the COMET Initiative website. The header includes the logo and a navigation menu with links for Home, About COMET, Search, Events, Resources, COS Uptake, Contact, and Public. Below the header is a sidebar with a list of menu items: Overview, Background, Aims and objectives, Who we are, COMET endorsement, Research projects, Funding and support, FP7, and FP7 IAG. The main content area is titled 'Overview' and contains two paragraphs of text. The first paragraph describes the launch of the COMET Initiative in January 2010, funded by the MRC North West Hub for Trials Methodology (NWHHTMR). The second paragraph explains the purpose of the COMET Initiative, which is to bring together researchers to develop and apply agreed standardised sets of outcomes, known as 'core outcome sets'.

COMET INITIATIVE
Core Outcome Measures in Effectiveness Trials

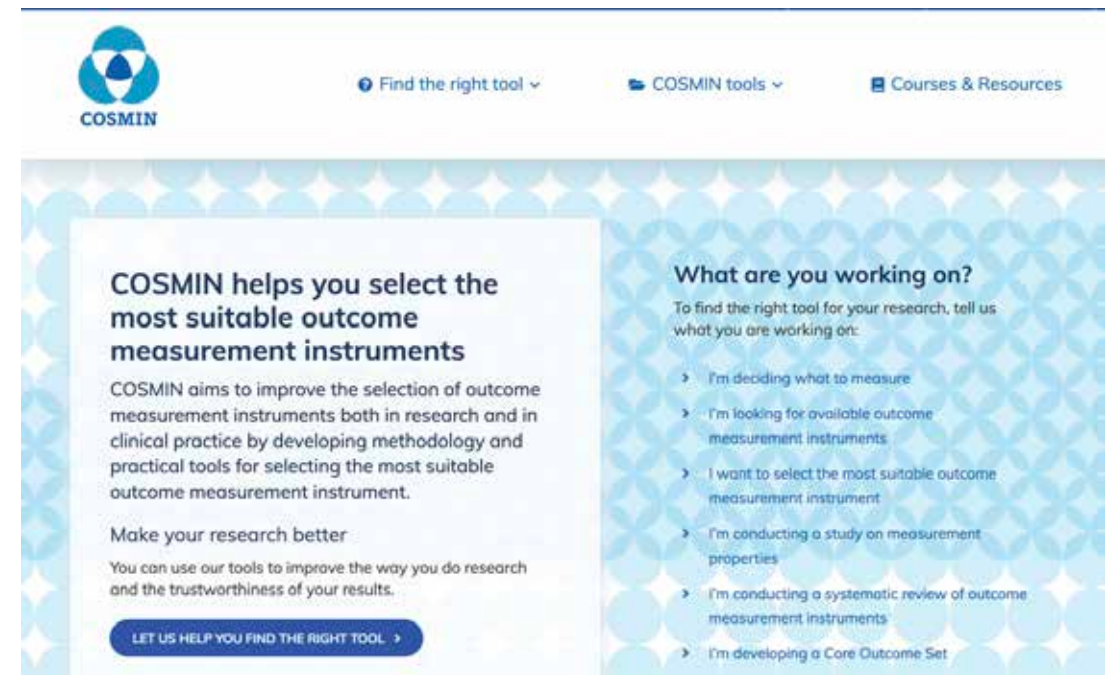
- Home
- About COMET
- Search
- Events
- Resources
- COS Uptake
- Contact
- Public

Overview

The COMET Initiative was launched at a meeting in Liverpool in January 2010, funded by the MRC North West Hub for Trials Methodology (NWHHTMR). More than 110 people attended, with representatives from trialists, systematic reviewers, health service users, clinical teams, journal editors, trial funders, policy makers, trials registries and regulators. The feedback was uniformly supportive, indicating a strong consensus that now is the time for such an initiative. The meeting was followed by a second conference in Bristol in July 2011, which reinforced the need for core outcome sets across a wide range of areas of health and the role of COMET in helping to coordinate information about these.

The COMET Initiative brings together researchers interested in the development and application of agreed standardised sets of outcomes, known as a 'core outcome set.' These sets should represent the minimum that should be measured and reported in all clinical trials, audits of practice or other forms of research for a specific condition. They do not imply that outcomes in a particular study should be restricted to those in the core outcome set. Rather, there is an expectation that the core outcomes will be collected and reported to allow the results of trials and other studies to be compared, contrasted and combined as appropriate; and that researchers will continue to collect and explore other outcomes as well.

COSMIN



The screenshot shows the COSMIN website. The header includes the COSMIN logo and a navigation menu with links for Find the right tool, COSMIN tools, and Courses & Resources. The main content area is titled 'COSMIN helps you select the most suitable outcome measurement instruments' and contains a paragraph of text. Below this is a section titled 'What are you working on?' which lists several common research scenarios. The text explains that COSMIN aims to improve the selection of outcome measurement instruments both in research and in clinical practice by developing methodology and practical tools for selecting the most suitable outcome measurement instrument. A button at the bottom of the main content area says 'LET US HELP YOU FIND THE RIGHT TOOL'.

COSMIN

- Find the right tool
- COSMIN tools
- Courses & Resources

COSMIN helps you select the most suitable outcome measurement instruments

COSMIN aims to improve the selection of outcome measurement instruments both in research and in clinical practice by developing methodology and practical tools for selecting the most suitable outcome measurement instrument.

Make your research better

You can use our tools to improve the way you do research and the trustworthiness of your results.

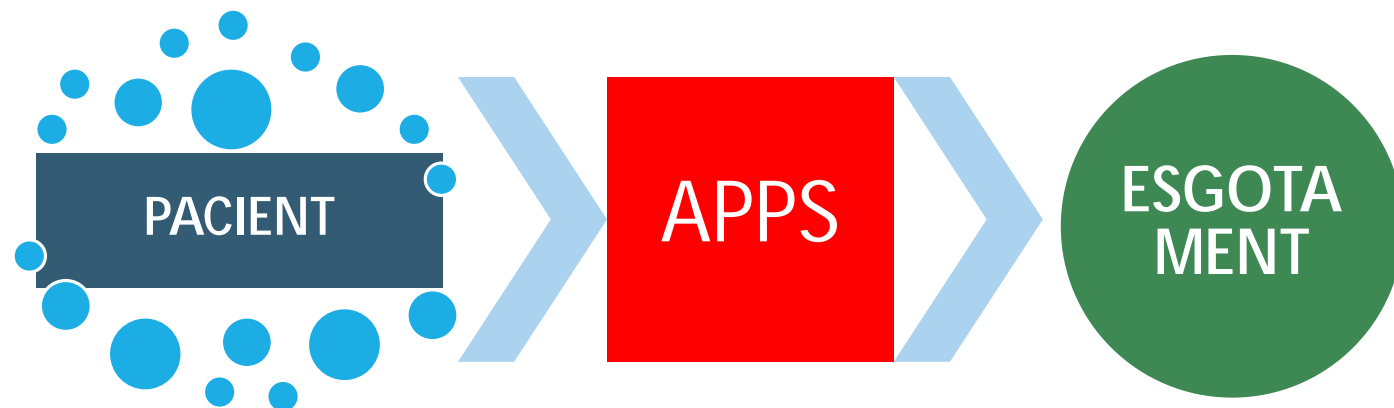
LET US HELP YOU FIND THE RIGHT TOOL

What are you working on?

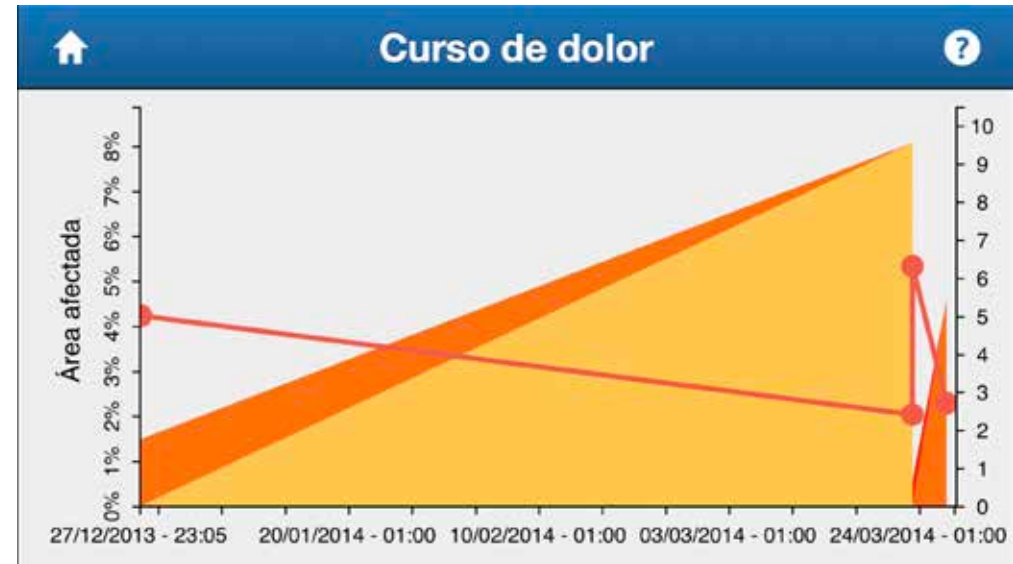
To find the right tool for your research, tell us what you are working on:

- I'm deciding what to measure
- I'm looking for available outcome measurement instruments
- I want to select the most suitable outcome measurement instrument
- I'm conducting a study on measurement properties
- I'm conducting a systematic review of outcome measurement instruments
- I'm developing a Core Outcome Set

INTENSITAT,
LOCALITZACIÓ,
HUMOR, FATIGA I
CONSUM DE
FÀRMACS



CATCH MY PAIN



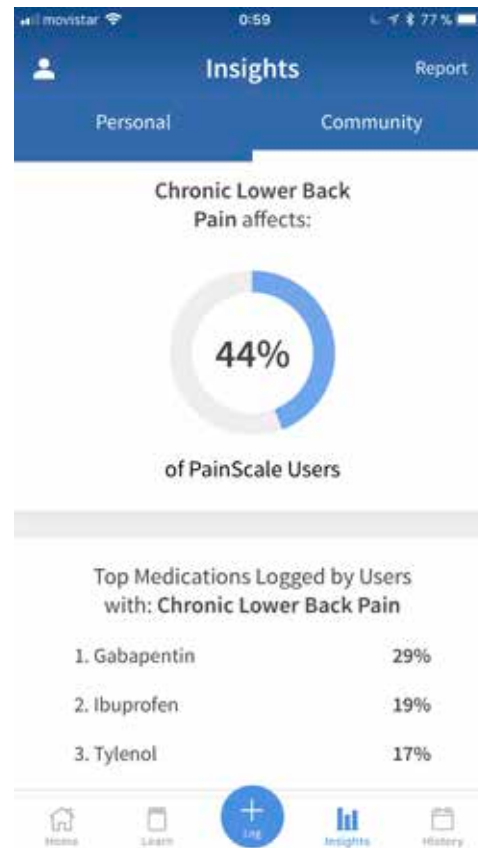
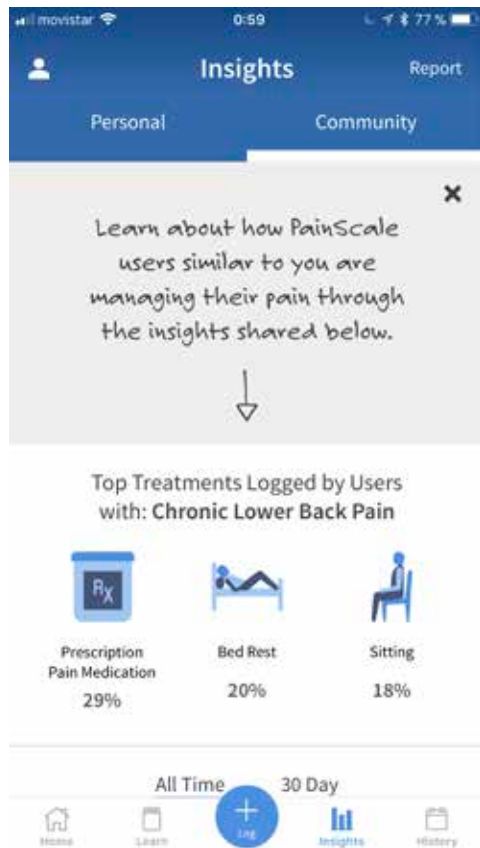
¿COM PODEM INCENTIVAR L'ÚS DE LES APPS?

FACILITAT
D'US
INTERFÍCIE
AGRADABLE

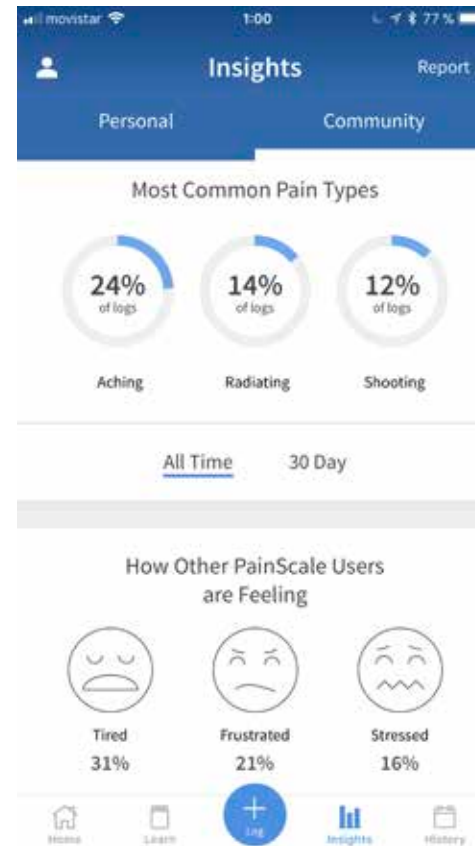
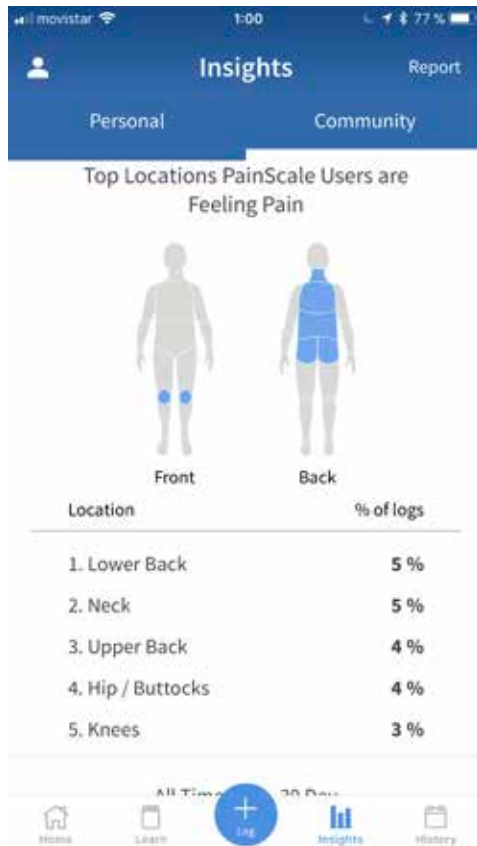
FEED-
BACK AMB
ELS
SANTARIS

FEED-BACK
AMB ELS
ALTRES
PACIENTS

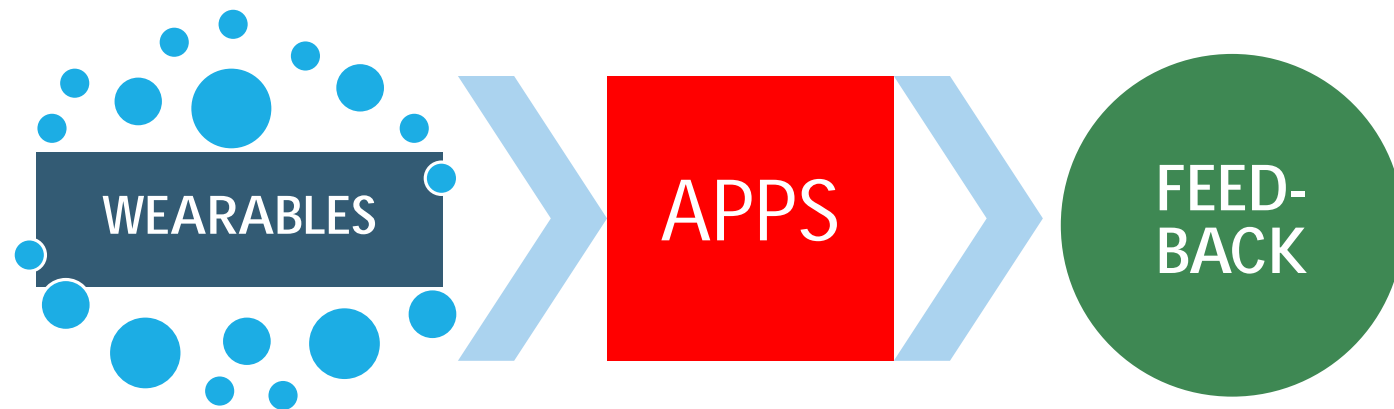
PAIN SCALE



PAIN SCALE



FUNCIONALITAT (MOVIMENT I SON)



MOVIMENT

PASSOS DIARIS

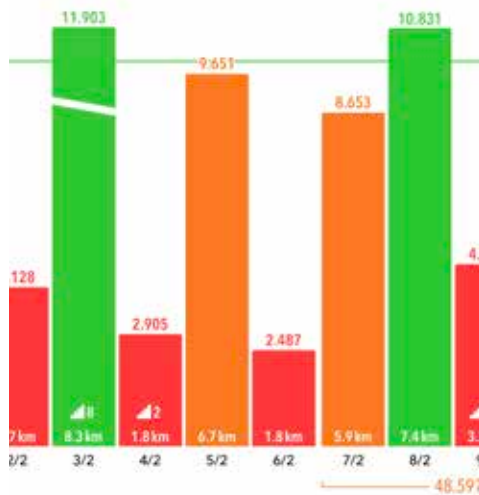
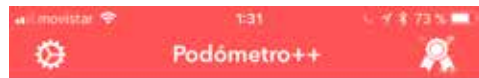
TRAINING

MONITOR
D'ACTIVITAT

REPÒS

CALORIES

IPHONE & APPLE WATCH



Domingo Caminar
21 ene 2018 4:34



10,38 km 2:20:04 tiempo 13:29 min/km 732 calorías

¡Tus primeras 8-12 km Caminar!
¡Sigue el ritmo para ver tu progreso!

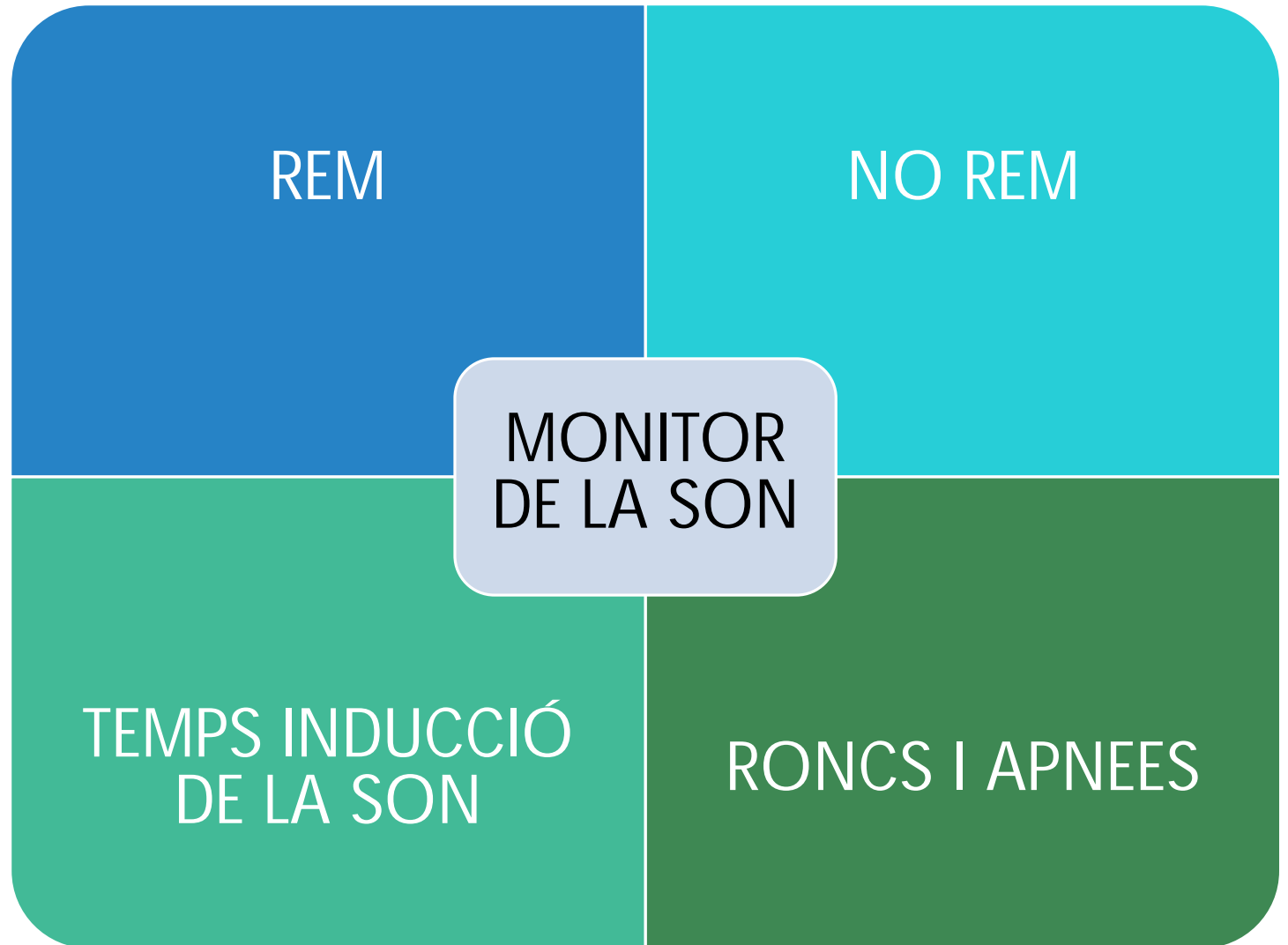
Divisiones

Cuadros
Ritmo, Elevación, Ritmo de pasos

Escribe un comentario...






ANÀLISIS DE LA SON



IPHONE & APPLE WATCH



JAWBONE VS APPLE WATCH

 <p>UP^{move}</p> <p>AVERIGUA MÁS</p> <p>Una genial manera de estar en forma</p> <ul style="list-style-type: none">• Aplicación UP gratuita• Registro de comidas• Monitoreo de actividad	 <p>UP²</p> <p>AVERIGUA MÁS</p> <p>Donde rendimiento y estilo se unen.</p> <ul style="list-style-type: none">• Todas las funciones de UP MOVE• Seguimiento del sueño• Diseño delgado para usarlo las 24 horas, 7 días a la semana• Batería recargable que dura 10 días	 <p>UP³</p> <p>AVERIGUA MÁS</p> <p>El monitor más avanzado del mundo</p> <ul style="list-style-type: none">• Todas las funciones de UP²• Frecuencia cardíaca pasiva y en reposo• Actualizaciones por aire para nuevas funciones
--	--	--



Logros

Tu reloj, siempre el primero en felicitarte.

J A T E N I M
L I T E R A T U R A A L
R E S P E C T E

Study to Test Efficacy of Interactive Wearable Device to Improve Pain Outcomes

November 16, 2017

Patients under treatment for chronic pain at a Geisinger multidisciplinary pain program will be followed with the aim of reducing pain by 30% by using a wearable interactive device that collects data and offers reminders.

By Jodi Godfrey, MS, RD

Ann. N.Y. Acad. Sci. ISSN 0077-8923

ANNALS OF THE NEW YORK ACADEMY OF SCIENCES


Issue: *Annals Reports*

Mobile health: the power of wearables, sensors, and apps to transform clinical trials

Bernard Munos,¹ Pamela C. Baker,² Brian M. Bot,³ Michelle Crouthamel,⁴ Glen de Vries,⁵ Ian Ferguson,⁶ John D. Hixson,⁷ Linda A. Malek,⁸ John J. Mastrototaro,⁹ Veena Misra,¹⁰ Aydogan Ozcan,¹¹ Leonard Sacks,¹² and Pei Wang¹³

RESEARCH/Original Article

Longitudinal trial of a smartphone pain application for chronic pain patients: Predictors of compliance and satisfaction

Journal of Telemedicine and Telecare
0(0) 1–8
© The Author(s) 2016
Reprints and permissions:
sagepub.co.uk/journalsPermissions.nav
DOI: 10.1177/1357633X16679049
jtt.sagepub.com


Robert N Jamison^{1,2}, Anna Mei¹ and Edgar L Ross¹

SPECIAL TOPICS SERIES

“There’s a Pain App for That”

*Review of Patient-targeted Smartphone Applications
for Pain Management*

Chitra Lalloo, BHSc, PhD,† Lindsay A. Jibb, BSc, MSc, BScN,*†
Jordan Rivera, BSc,* Arnav Agarwal, BHSc,‡
and Jennifer N. Stinson, RN, PhD, CPNP* †§||*

J A TENIM
LITERATURA AL
RESPECTE

J A TENIM
LITERATURA AL
RESPECTE

A Pilot Comparison of a Smartphone App With or Without
2-Way Messaging Among Chronic Pain Patients
Who Benefits From a Pain App?

Robert N. Jamison, PhD,† Dylan C. Jurcik, BA,*
Robert R. Edwards, PhD,*† Chuan-Chin Huang, PhD,* and
Edgar L. Ross, MD**

J Opioid Manag. 2014 Jan-Feb;10(1):63-8. doi: 10.5055/jom.2014.0193.

**A systematic review of smartphone applications for chronic pain
available for download in the United States.**

Wallace LS¹, Dhingra LK².

JA TENIM LITERATURA AL RESPECTE



How to manage chronic pain with a medical app

David Tseng MD | January 9, 2017

IEEE Xplore[®]
Digital Library

> Institutional Sign In

Browse ▾

My Settings ▾

Get Help ▾

Subscribe

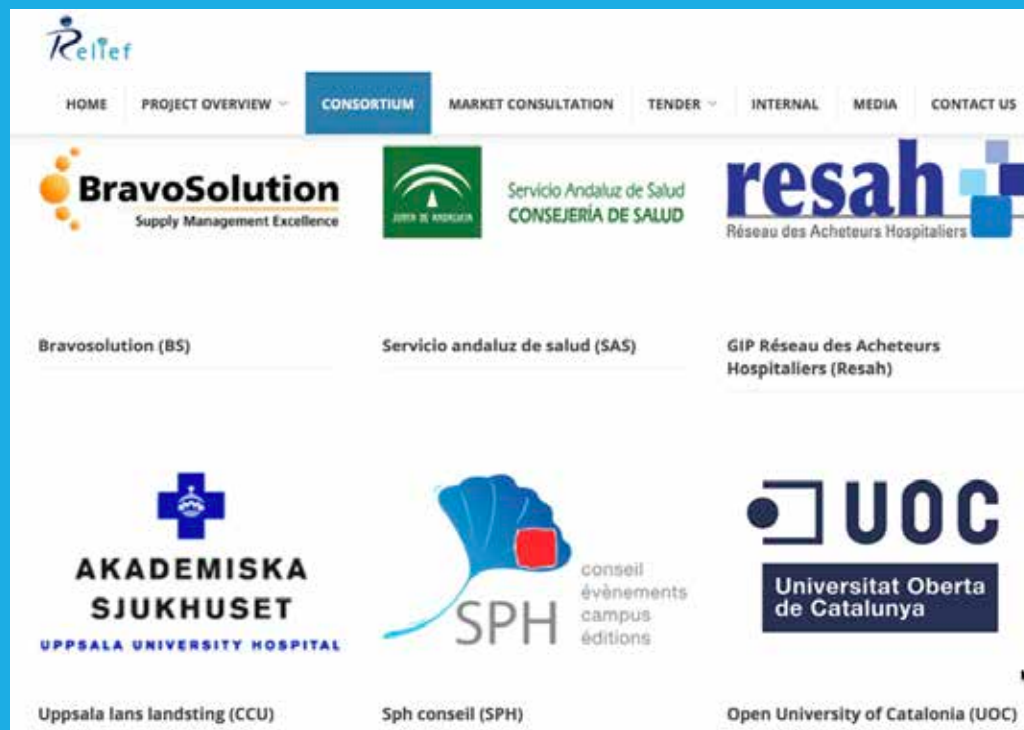
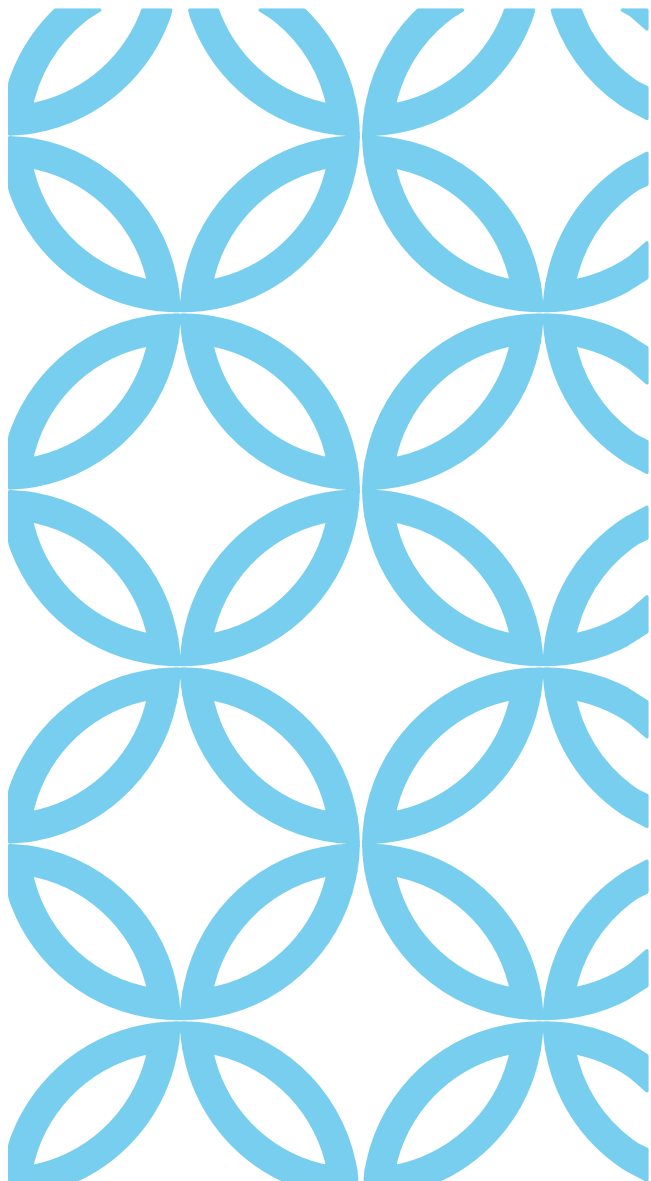
All ▾

Enter keywords or short phrases (searches metadata only by default)

Advanced

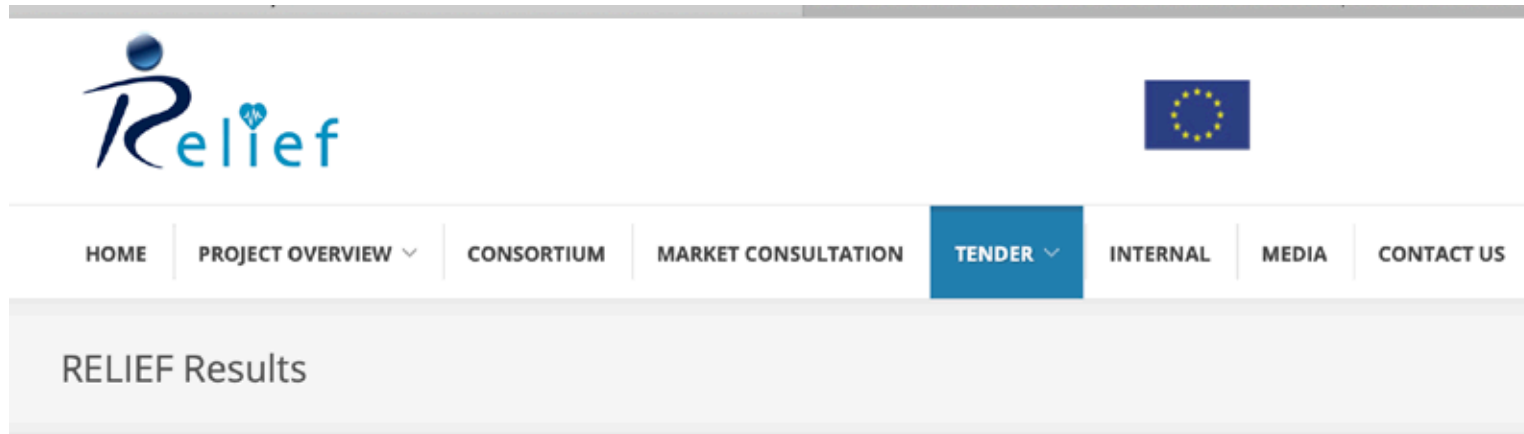
Browse Journals & Magazines > IEEE Pulse > Volume: 7 Issue: 1 ?

Convergence Revolution Comes to Wearables: Multiple Advances are Taking Biosensor Networks to the Next Level in Health Care



PROJETE RELIEF EU 2020

HTTP://RELIEF-CHRONICPAIN.EU/INDEX.HTML



The RELIEF Buyer's Group is pleased to announce the awarding of the contractors for the Phase 2 of the RELIEF PCP Tender.

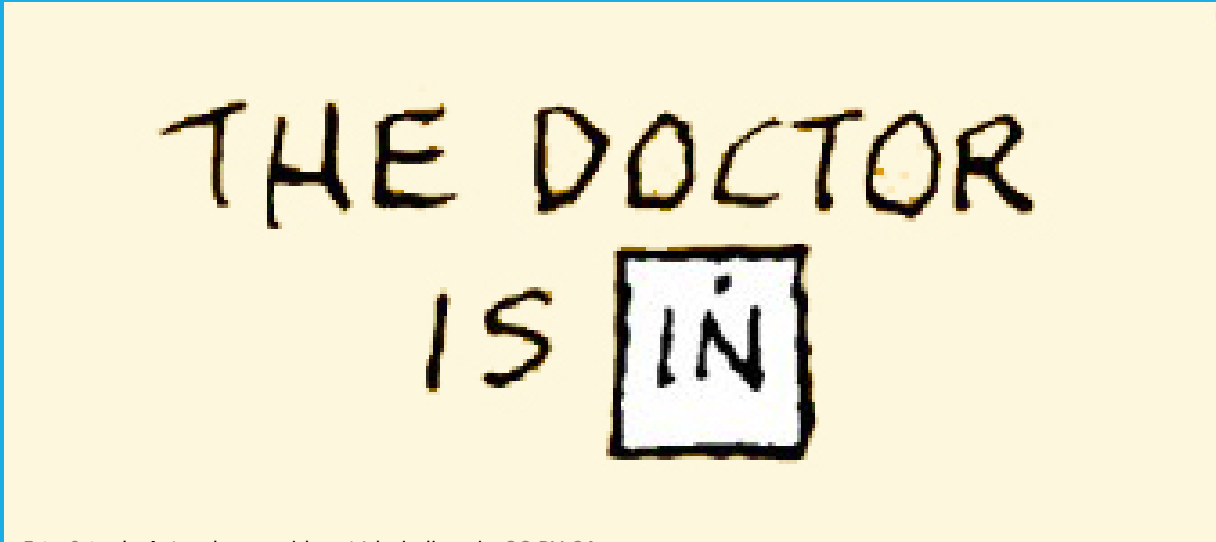
The 4 awarded contractors that will implement Phase 2 - Prototype Development are:

- ▶ Tech4care srl.
- ▶ ARTICA TELEMEDICINA S.L.
- ▶ GNOMON INFORMATICS
- ▶ Linkcare Health Services

 [Phase 2 Project Abstracts](#)

MEET THE AWARDED CONTRACTORS FOR PHASE 1
(Members of the consortium and subcontractors)

I QUINES APPS ESTIC FENT SERVIR A LA PRÀCTICA DIÀRIA?



THE DOCTOR
IS IN

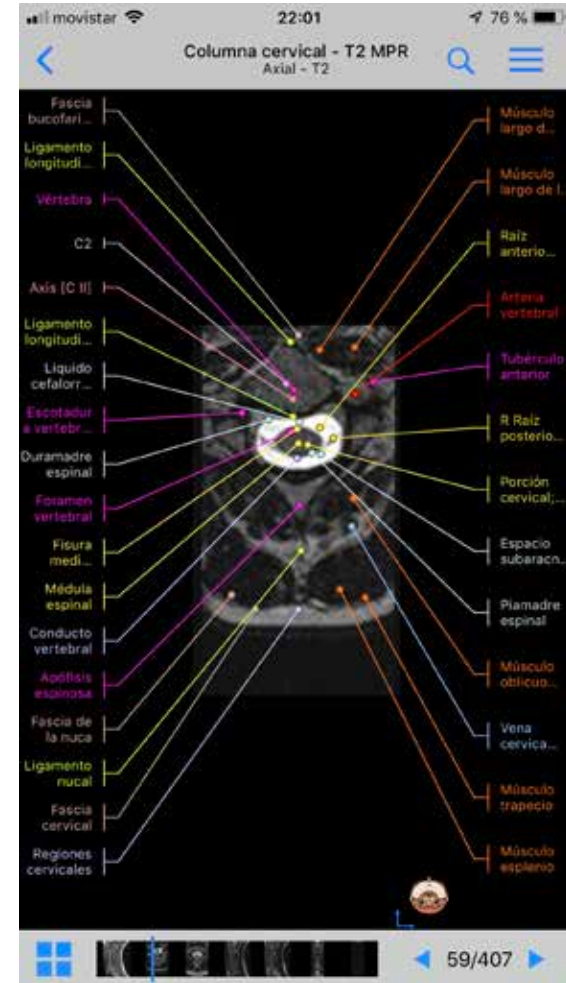
[Esta foto](#) de Autor desconocido está bajo licencia [CC BY-SA](#)

ANATOMIA 3D I SECCIONAL

COMPLETE
ANATOMY

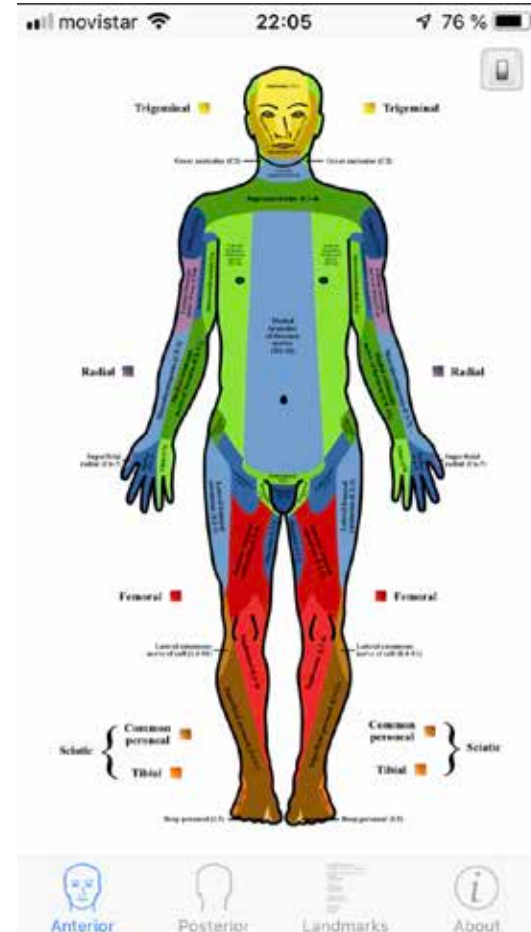
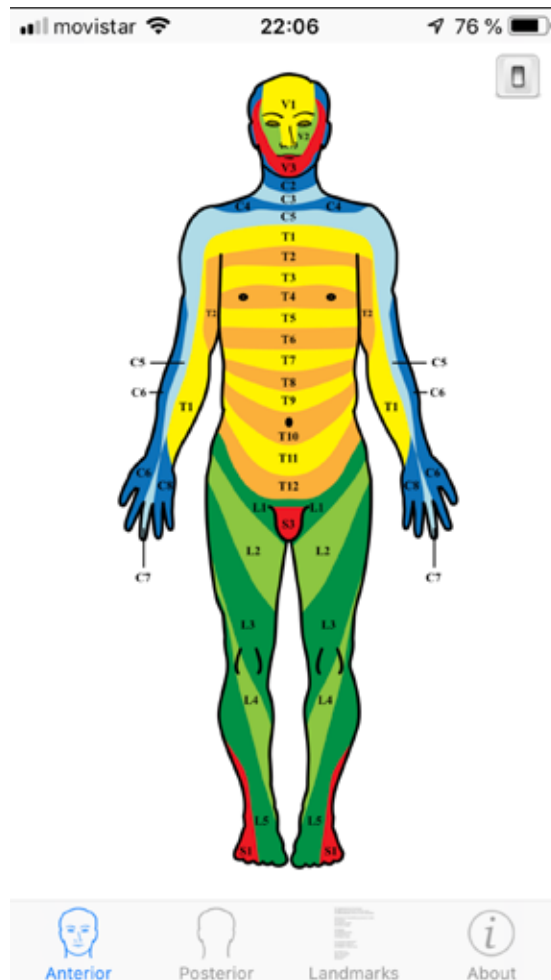


E-ANATOMY



DIAGNÒSTIC NEUROLÒGIC

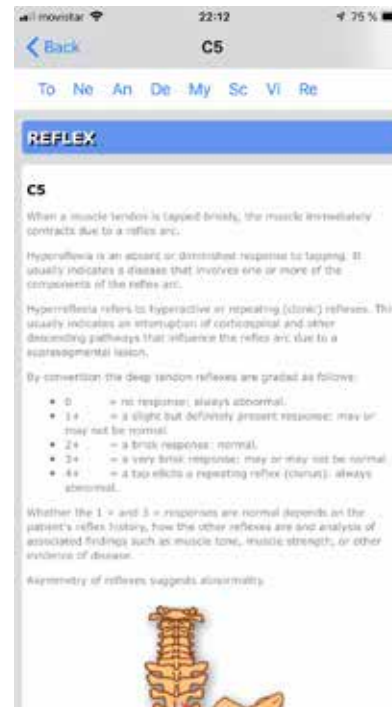
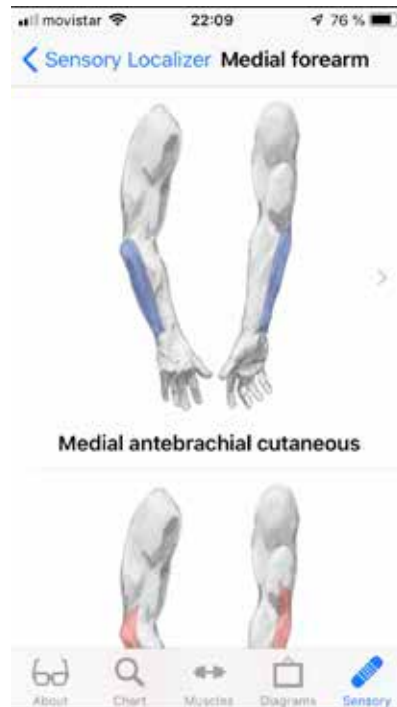
DERMATOMES



DIAGNÒSTIC NEUROLÒGIC

NEURO WIZ

I NEURO



DIAGNÒSTIC NEUROLÒGIC

EMG PARTNER



NEURO LOCALIZER



OPIOIDES

OPIOID RISK TOOL

movistar 22:13 75%

Opioid Risk Tool: select all that ap...

Family history of substance abuse:
 EtOH Illegal drugs RxDrugs

Personal history of substance abuse:
 EtOH Illegal drugs RxDrugs

Age between 16 and 45? Yes

Preadolescent sexual abuse? Yes

Psychological Disease:
 ADHD OCD Bipolar Disorder or Schizophrenia
 Depression RESET

	Point total	Risk
Men	10.0	high
Wom...	8.0	high

Titlo OpioidRisk Tool Converter RefilCalculador More

CONVERTIDORES DE DOSIS – APP DOLOR

movistar 22:12 75%

CALCULADORA DE DOSIS

odona LC **Tapentadol LP** Tramadol

250,00 mg/día

EQUIVALE A:

entadol LP **Tramadol oral**

500,00 mg/día

Compartir

GRUPO CENTINELA

TRIGGER POINTS



FÀRMACS I ELS SEUS EFECTES SECUNDARIS

FÀRMACOS Y
CONDUCCIÓN



INTERACCIONES



MEDIMECUM

AJUDA A TÈCNIQUES INTERVENCIONISTES

ASRA COAG



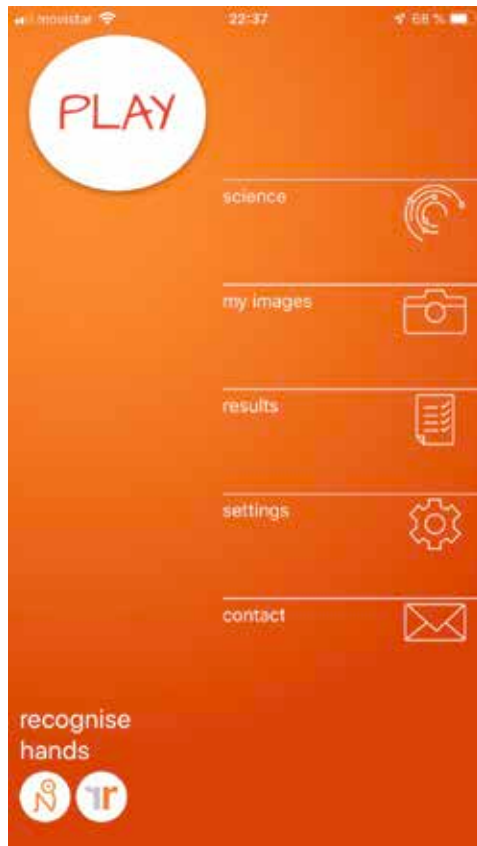
SONOACCESS



ECHO-LOCO



GRADED MOTOR IMAGINERY - RECOGNISE



PER FINALITZAR ...

ED economía Digital

microservos



[PORTADA](#) [BUSCAR](#) [CONTACTAR](#) [HUMOR](#) [¡SALTA!](#) [TIENDA](#)

NOTICIAS

De cómo los datos de la app de Salud de un iPhone sirvieron para resolver un crimen en Alemania

