NEXTCARE: A JOURNEY TOWARD NOVEL HEALTH SERVICE ADOPTION

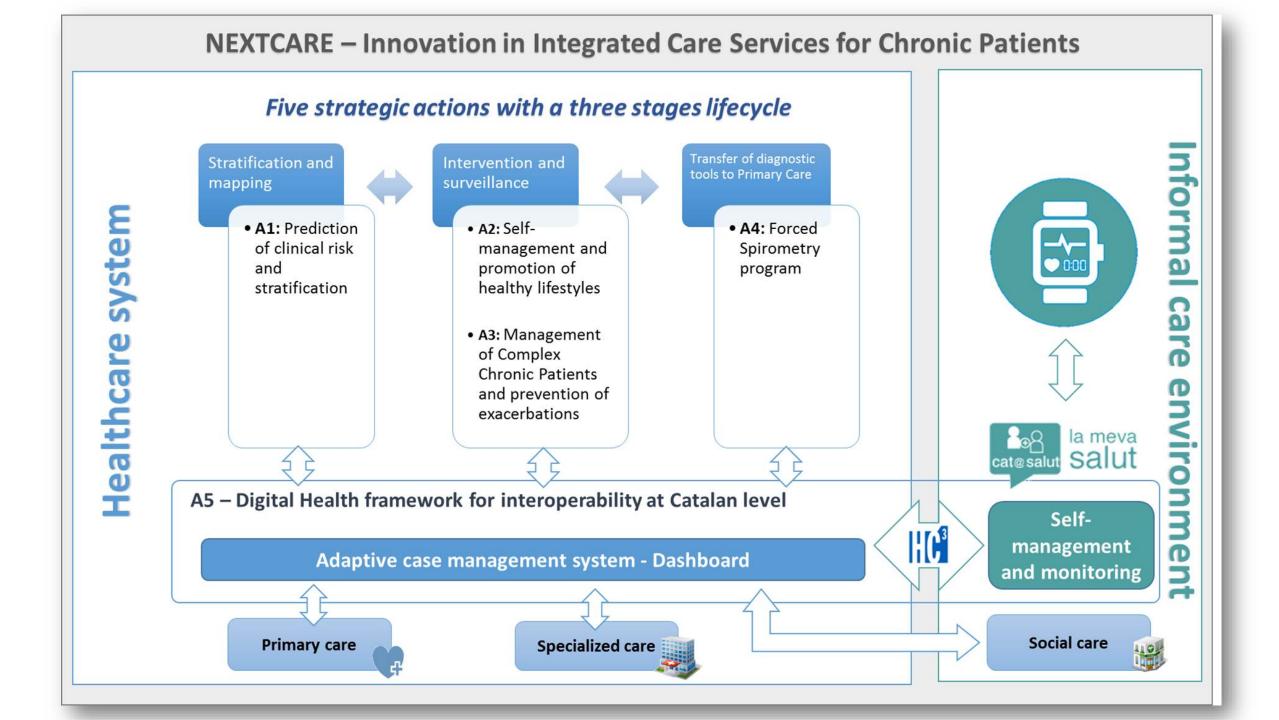
Josep Roca, MD, PhD, FERS Hospital Clínic, IDIBAPS, University of Barcelona

AGENDA

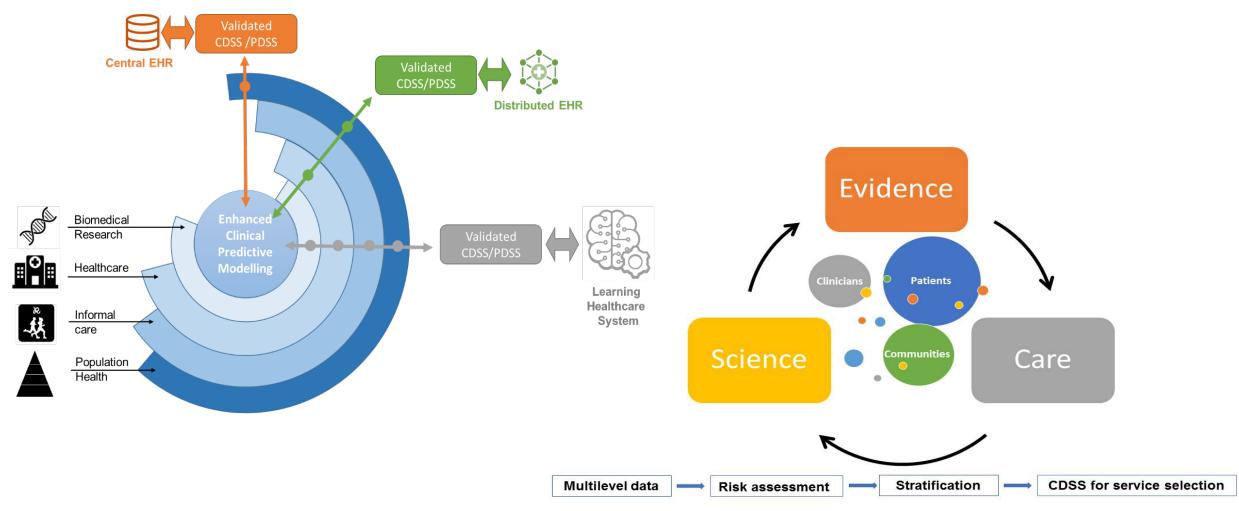
- ✓ NEXTCARE Scaling-up Personalized Care for Chronic Patients in an Integrated Care Framework (2017-2019)
- ✓ Lessons & Challenges in the process of consolidating a regional testbed for enhanced management of multimorbid patients



From current management of clinical episodes to collaborative & personalized management of patients through clinical processes with a preventive approach

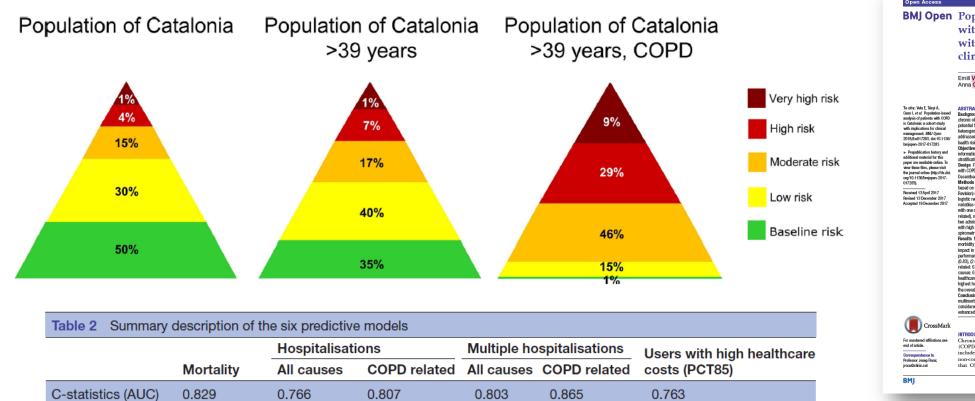


A1 – HEALTH RISK PREDICTION & SERVICE SELECTION



Dueñas-Espín, I. et al. Proposals for enhanced health risk assessment and stratification in an integrated care scenario BMJ Open; May 2016. doi:10.1038/clpt.2013.24.52

Population-based risk assessment for enhanced clinical predictive modelling



Open Access		Research
BMJ Open	Population-based analysis of patients with COPD in Catalonia: a cohort study with implications for clinical management Emil Vels, 'Akos Tény, ²² Isaac (2ano, ²³ David Monterde, ⁴ Montserrat Cleries, ¹ Anna Garcia-Attes, ¹ Carme Hernandez, ²³ Joan Escarabili, ²⁴ Josep Roce ³⁵	
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вмј	Vela E, et al. BMJ Open 2018;0:e017283. doi:10.1136/bm	jopen-2017-017283 1

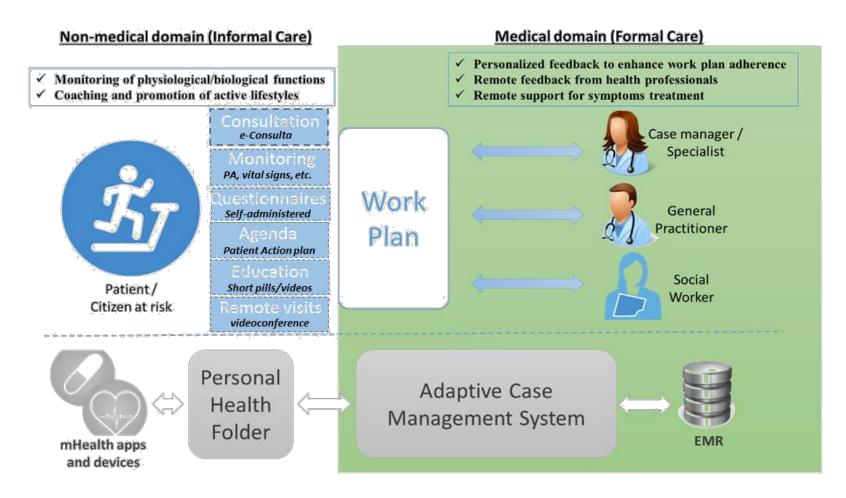


A1. Risk assessment & Service selection

- Feasibility & High impact of the approach
- Need for addressing regulatory issues on data privacy

A2 – PROMOTION OF HEALTHY LIFESTYLES

(Pre-habilitation of high risk surgical candidates/ Chronic patients/ Citizens at risk)



Barberan-Garcia A et al. Prehabilitation in High-risk patients undergoing elective major abdominal surgery. Ann Surg. 2017 May 9. doi: 10.1097

preHAB program Objectives

- Main:
 - Global optimization:
 - Holistic characterization and risk stratification
 - Functional (aerobic capacity)
 - Nutritional (albumin), Hb optimization
 - Smoking and alcohol dishabituation
 - Emotional support
- Secondary:
 - To provide information about surgical process
 - To solve problems
 - Promotion of healthy lifestyles ("teachable moment")



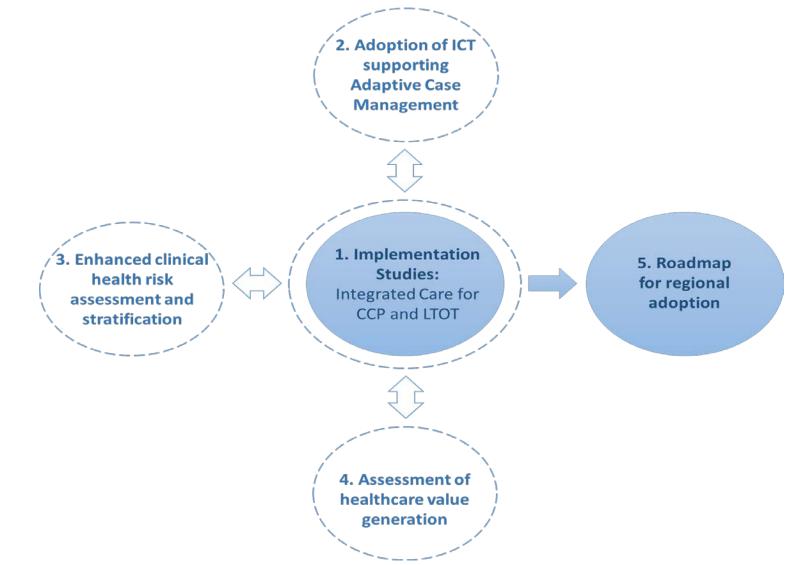
Decrease the incidence of postoperative complications

Enhance postsurgical recovery





A3 - HOME HOSPITALIZATION & TRANSITIONAL CARE



Cano I et al. Protocol for regional implementation of community-based collaborative management of complex chronic patients. npj Prim Care Respir Med 2017;27:44.

CHALLENGES IN SERVICE WORKFLOW DESIGN & IMPLEMENTATION

Program of Integrated Care for Patients with Chronic Obstructive Pulmonary Disease and Multiple Comorbidities (PIC COPD⁺): a randomised controlled trial

Louise Rose¹, Laura Istanboulian², Lise Carriere³, Anna Thomas³, Han-Byul Lee², Shaghayegh Rezaie⁴, Roshan Shafai⁵ and Ian Fraser^{6,7}

Eur Respir J 2018;51:1701567



A2. Promotion of healthy life styles

A3. Management of complex chronic patients

- High potential for health value generation & scalability
- Patient empowerment for self-management
- Service workflow design and implementation
- Innovative business models

A4 –TRANSFER OF DIAGNOSTIC TOOLS TO PRIMARY CARE

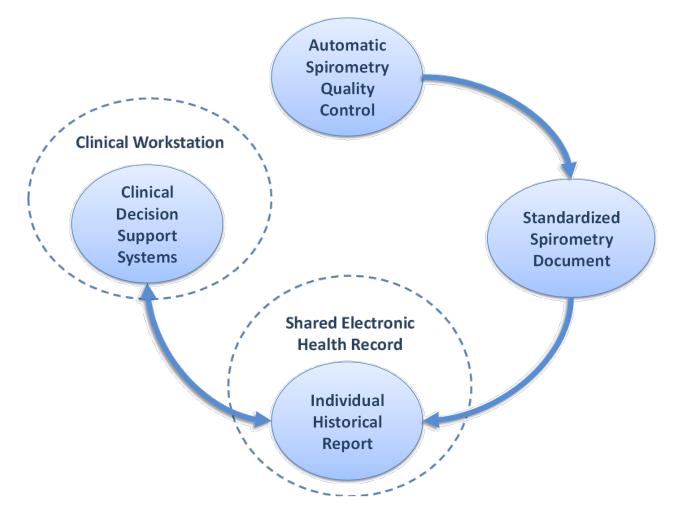
The Forced Spirometry Program

Aim: access to forced spirometry testing (raw data, clinical results, quality control and historical data) from any clinical work-station of any healthcare provider.

After the first year, transferability of the model to other healthcare environments and other diagnostic techniques will be analyzed.

The new system will allow the future implementation of "data analytics" with impact on case management.

Vargas C et al. NPJ Prim care Respir Med 2016;26:16024.

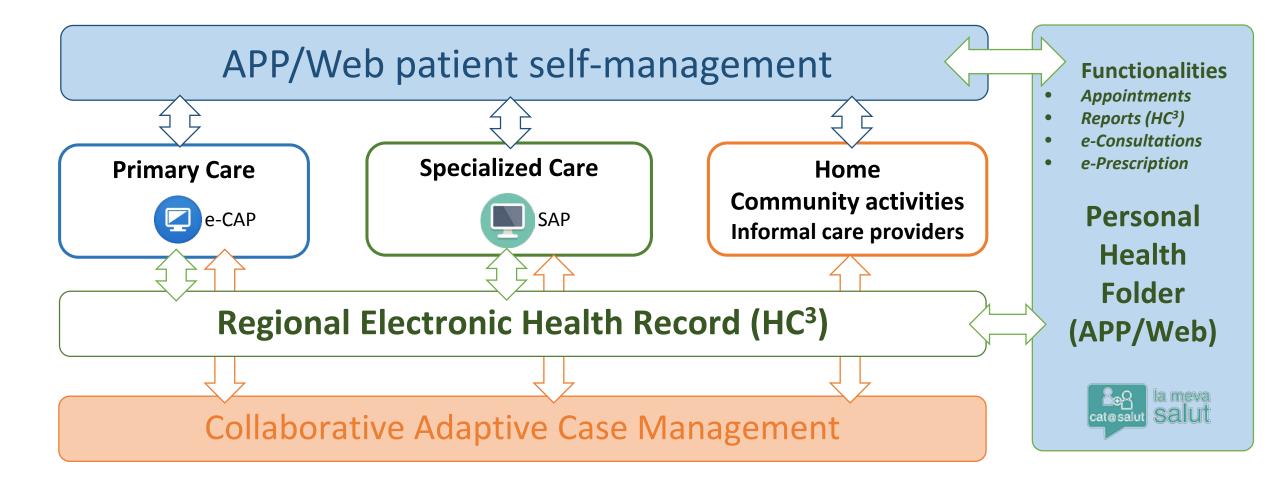




A4. Transfer of diagnostic testing to Primary Care

- Value generation & quality testing & risk assessment
- Implementation practicalities

A5 –INTEROPERABILITY – DIGITAL HEALTH FRAMEWORK





A5. Digital Health Framework

- Feasibility & High impact at pilot level
- Health professionals & Implementation practicalities





NEXTCARE: Achievements 1st period (2017)

A1 Population-health risk assessment (Adjusted Morbidity Groups, GMA) can enhance clinical risk assessment

Deployment of the pre-habilitation service at Hospital Clinic

Large scale deployment of home hospitalization &



A2

transitional care in AISBE Innovative assessment of integrated care for complex chronic patients



Progress towards accomplishing all basic goals



Progress towards formulation of the technological program





Main goals for 2018



Complete predictive modelling of home hospitalization Launch multimorbidity program Management of multilevel datasets



Basis for regional deployment of the pre-habilitation service & validation Roadmap for the peri-surgical care program



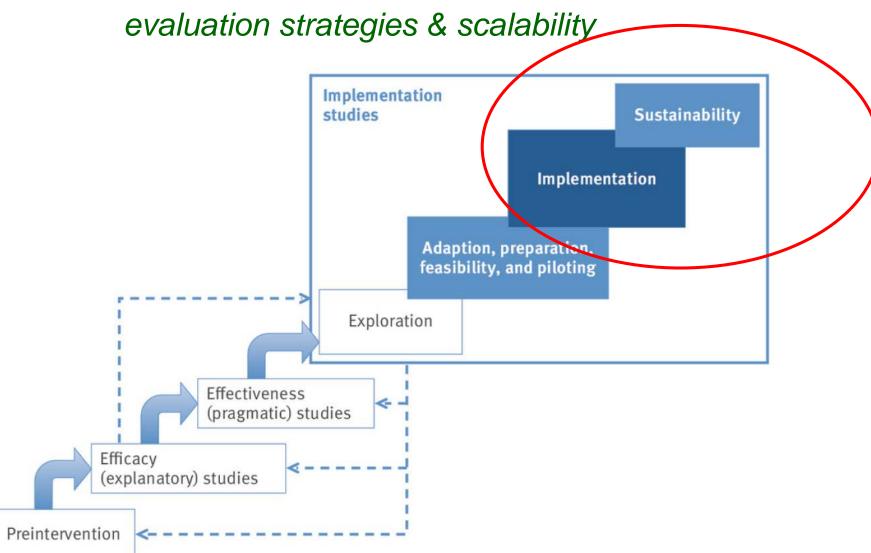
Completion of innovative assessment of management of CCP Deployment of novel ICT-supporting tools



Completion of the action & transferability



Transformation of La Meva Salut into an app aplication Consolidation of the Adaptive Care Management funcionalities (Camunda®)



Peters DH et al. Implementation Research: what it is and how to do it. BMJ 2013;347:f6753 Pinnock H et al. Standards for reporting implementation studies (StaRI) statement. BMJ 2017;356:i6795



- ✓ The journey from discovery to innovation and large scale implementation is highly complex & long with numerous challenges emerging during the process
- ✓ Strategies for large scale deployment & sustainability must be appropriately planned as an early step of the innovation process







www.nextcarecat.cat

Thanks

Josep Roca - jroca@clinic.cat

