Co-funded
by the Third Health Programme
of the European Union

CHRODIS+

IMPLEMENTING GOOD PRACTICES FOR CHRONIC DISEASES

CHRODIS PLUS Joint Action

FROM THEORY TO IMPLEMENTATION

Wide scale implementation of the Multimorbidity Care Model: What? How? Why?

Graziano Onder, Università Cattolica del Sacro Cuore, Rome, IT - WP6

14.05.2019

EU_CHRODIS

chrodis.eu

@EU_CHRODISplus

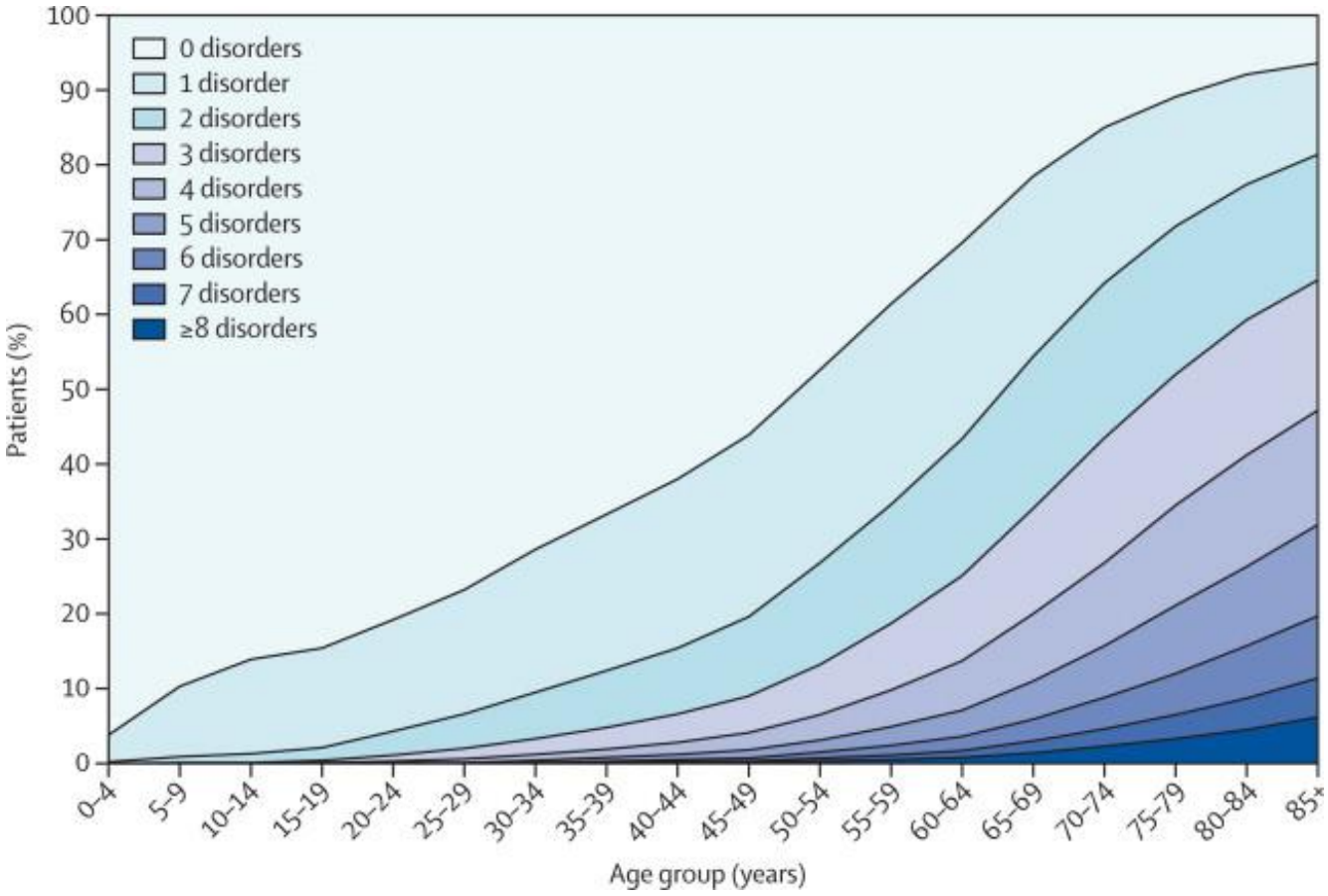
Multimorbidity

- Defined as **≥ 2 chronic diseases**
- Prevalence ↑ with age (>60% of people aged ≥ 65 y with multimorbidity - '**most common chronic condition**')
- Impact on **clinical outcomes** and health care **costs**
- Multimorbidity also affects processes of care and may result in complex care needs
- The **traditional single-disease approach inadequate** for multimorbidity

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

Multimorbidity



Barnett K et al. The Lancet 2012

THE LANCET

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

Wide scale implementation of the Multimorbidity Care Model

What?

Why?

How?

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

WHAT is work package implementing (I) CHRODIS Care Model

Delivery system design

- Comprehensive assessment
- Coordinated team
- Individualized care plans
- Case manager

Decision support

- Implementation of EBM
- Team training
- Consultation system

Self management

- Tailor Self-management
- Options for self management
- Shared decision making

Clinical information system

- Electronic patients records
- Exchange patients infos
- Uniform coding
- Patient operated technology

Community resources

- Access community resources
- Involvement of social network

Palmer K et al. Health Policy 2018

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

WHAT is work package implementing (II) CHRODIS Care Model

16 components identified

For each component:

- Description and aims
- Key characteristics
- Relevance to multimorbidity patients

The model derives from *expert opinion*.
Its applicability should be tested in pilot actions

Palmer K et al. Health Policy 2018

Co-funded
by the Third Health Programme
of the European Union

Wide scale implementation of the Multimorbidity Care Model

What?

Why?

How?

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

WHY is the implementation important (I)

- Scientific literature review + field survey
  - **Programs varied** in the target patient groups, implementation settings, number of included interventions, and number of chronic care model components
  - **Different components of the intervention were identified (comprehensive programs)**
  - **Effectiveness of the programs rarely evaluated**

Hopman et al. Health Policy. 2016

Co-funded
by the Third Health Programme
of the European Union

WHY is the implementation important (II)

Policy makers

- Provide evidence on effective interventions that can represent the basis to inform policy

Stakeholders

- Provide a cost-effective intervention to be applied in different contexts

Patients

- Receive comprehensive and patient- centered care

Co-funded
by the Third Health Programme
of the European Union

Wide scale implementation of the Multimorbidity Care Model

What?

Why?

How?

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

HOW to conduct the implementation (I)

1. Understand target – risk stratification

Co-funded
by the Third Health Programme
of the European Union

Understand target

Patients with multimorbidity at high risk (target for intervention):

- Disease patterns
  - Individual diseases
  - Combination of diseases
- Low socioeconomical status
  - low income
  - poor social support
- Poor physical function
- Mental health problems
  - depression
  - cognitive impairment

'…the consequences of multimorbidity cannot be arithmetically determined based on the number of clinical conditions the person presents' (WHO)

Onder G. *Eur J Intern Med* 2015;26(3):157-9

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

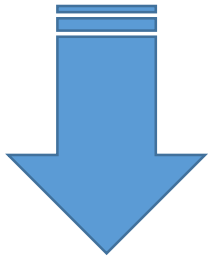
HOW to conduct the implementation (I)

1. Understand target – risk stratification
2. Definition of a scope

Co-funded
by the Third Health Programme
of the European Union

HOW to conduct the implementation (I)

1. Understand target – risk stratification
2. Definition of a scope
3. Situation analysis – SWOT



Interventions and solutions CAN NOT be fixed and standardized but should be adapted to the context

Co-funded
by the Third Health Programme
of the European Union

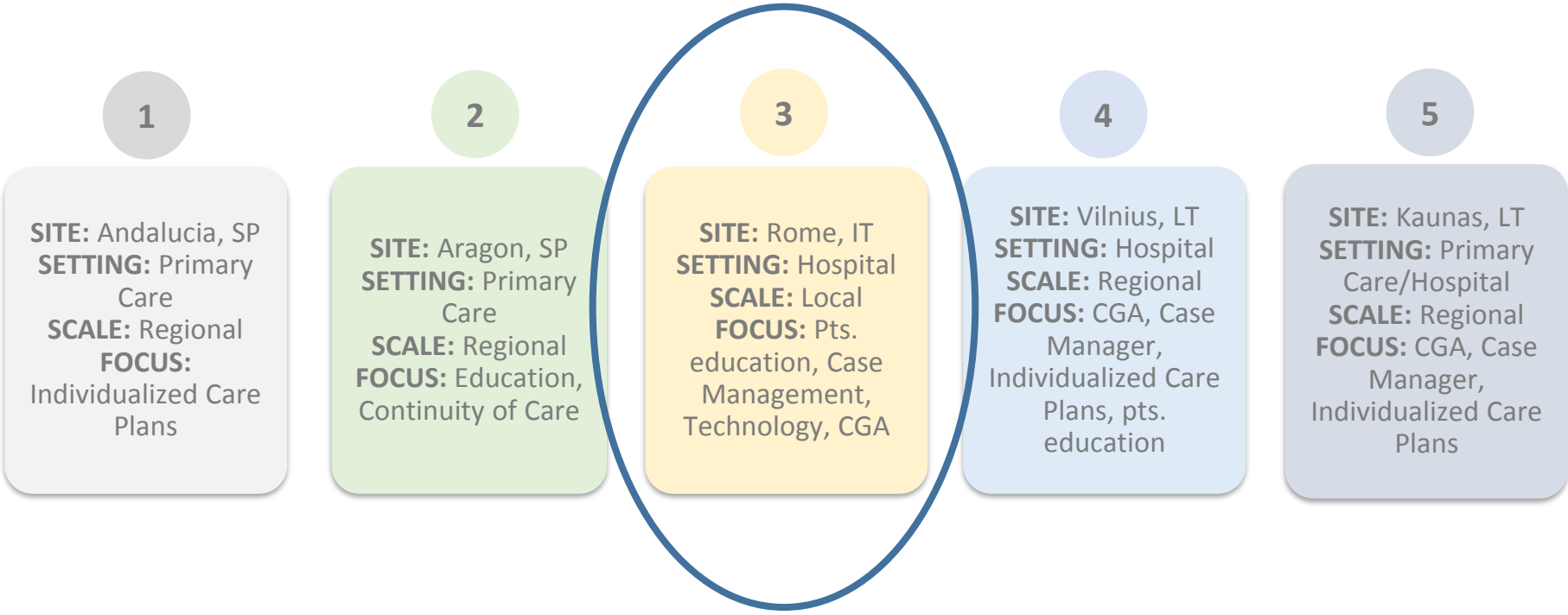
HOW to conduct the implementation (I)

1. Understand target – risk stratification
2. Definition of a scope
3. Situational analysis – SWOT
4. Development of pilot action plans
5. Implementation
6. Assessment - Outcomes

Co-funded
by the Third Health Programme
of the European Union

Implementing sites WP6

IMPLEMENTATION PROJECTS OF THE WP



CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

Pilot Action plan - UCSC

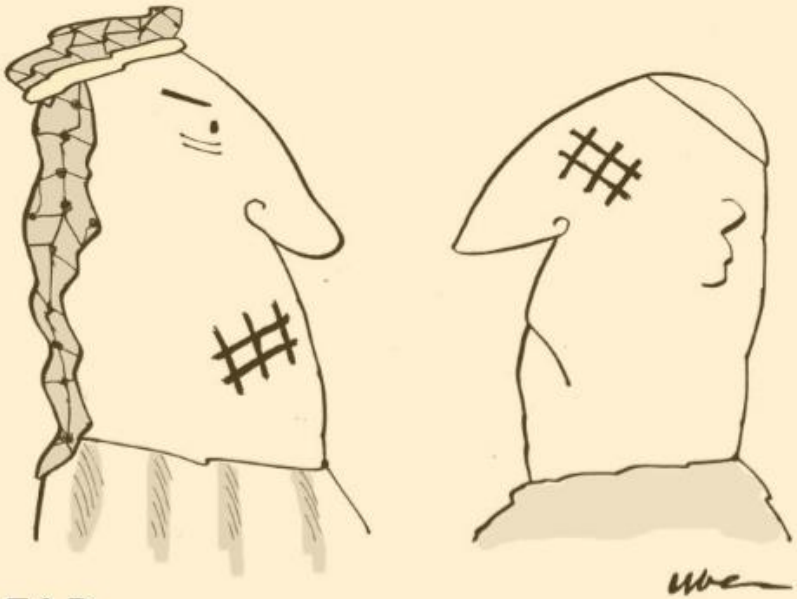
SWOT	Action plan
Improvement area(s)	**Change Package**
Poor case coordination	Case manager
Accessibility of care	Technocare service
Fragmentation of care	Comprehensive Geriatric Assessment
Improve patient self – management	Group meetings and training courses for patients and family members.

Co-funded
by the Third Health Programme
of the European Union

Poor care coordination (1/4) - UCSC

GOAL. Improve communication and coordination of care among members of the health care team and patients.

HOW.



Poor care coordination

Patients don't have a reference care provider

SO FAR. The case manager is successfully coordinating health care team members and patients

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

CHRODIS Care Model components implemented - UCSC

Delivery system design

- Comprehensive assessment
- Coordinated team
- Individualized care plans
- Case manager

Decision support

- Implementation of EBM
- Team training
- Consultation system

Self management

- Tailor Self-management
- Options for self management
- Shared decision making

Clinical information system

- Electronic patients records
- Exchange patients infos
- Uniform coding
- Patient operated technology

Community resources

- Access community resources
- Involvement of social network

Palmer K et al. Health Policy 2018

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

WP6
Barriers to implementation

Changes in political situation and shifts in health priorities

- Unresolved continuity of care between care levels and sectors (eg: social)
- Limited resources (time, personnel, funds), compared to population increasing needs (*sustainability*)
- Information systems not focussing on multimorbidity
- Resistance to organizational changes from the population and professionals
- Guidelines or structured training not always available
- Patient's high expectations, scarce information material, limited self management
- Lengthy approval of studies from Bioethics Committee
- Pressure from the Pharmaceutical Industry

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

Posters

1. Personalized Action Plan in Andalusia: supporting the Chrodis-Plus integrated care model for multimorbidity
2. Pilot implementation of CHRODIS Integrated Care Model in a tertiary referral hospital in Italy
3. Pilot implementation of Integrated Multimorbidity Care Model in public and private healthcare sector.
4. Case manager approach managing multimorbidity
5. Pilot implementation of CHRODIS Integrated Care Model for Multimorbidity in Aragón, Spain
6. Applicability of JA-CHRODIS+ multimorbidity care model in European national health systems

Co-funded
by the Third Health Programme
of the European Union

Contact and follow us

chrodis.eu

info@chrodis.eu

WP6
Graziano Onder – UCSC – graziano.onder@unicatt.it
Rokas Navickas – VULSK – rokas.navickas@santa.lt

Please follow us on social media to stay up to date with the latest news on CHRODIS PLUS

- Twitter: **@EU_CHRODISplus**
- Facebook: **EU_CHRODIS**
- YouTube: **EU_CHRODISplus**

CHRODIS+

Co-funded
by the Third Health Programme
of the European Union

CHRODIS+

IMPLEMENTING GOOD PRACTICES FOR CHRONIC DISEASES

Thank you for your attention

CHRODIS PLUS

The Joint Action implementing good practices for chronic diseases

This presentation is part of the CHRODIS PLUS Joint Action. This Joint Action addresses chronic diseases through cross-national initiatives identified in JA-CHRODIS, in order to reduce the burden of chronic diseases while assuring health system sustainability and responsiveness, under the framework of the Third Health Programme (2014-2020). The content of this presentation is the sole responsibility of the author. Consumers, Health, Agriculture and Food Executive Agencies cannot be held liable for any use of the information contained within this document.

Co-funded by the Health Programme of the European Union

EU_CHRODIS

@EU_CHRODISplus

CHRODIS+