





Employment and Chronic Disease: State of the art and work ability

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Introduction to Multimorbidity Framework

Davide Vetrano, MD, PhD student Catholic University of the Sacred Heart, Italy, WP6

Non-communicable diseases: diseases of long duration and generally slow progression that are not passed from person to person

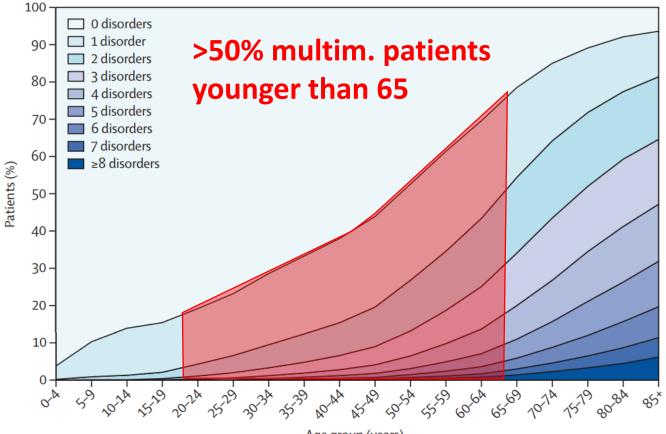
Multimorbidity: the co-occurrence of two or more diseases in the same person

Persons with longstanding health problems face higher rates of unemployment and inactivity (29.6% lower employment rate)







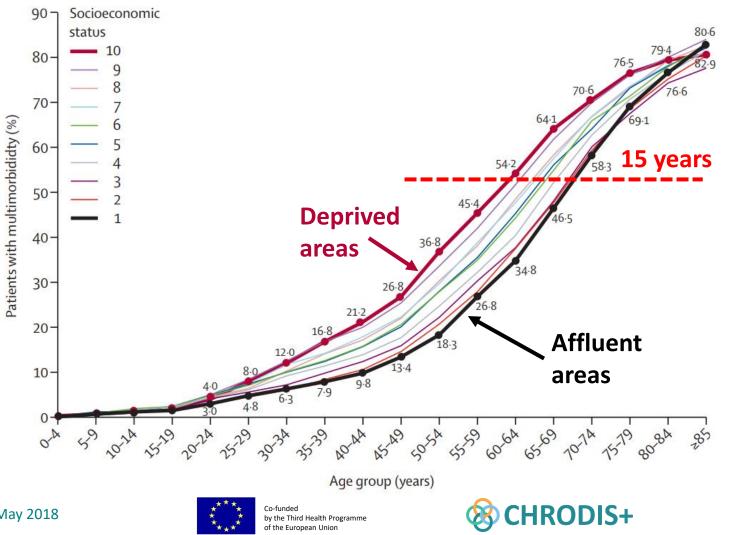


Age group (years)



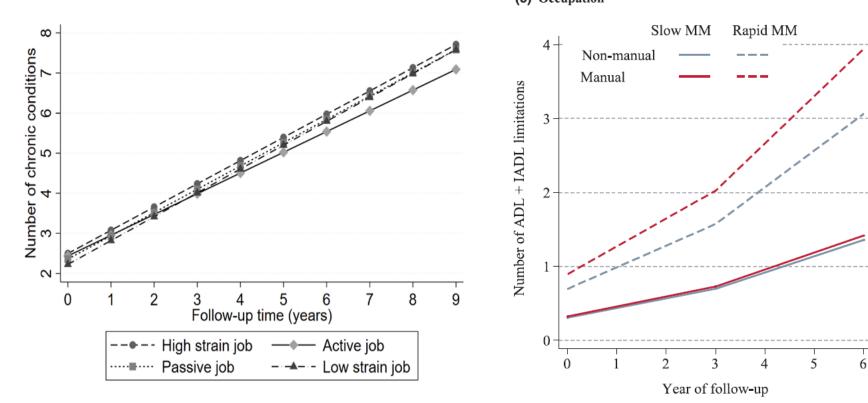






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3 May 2018



(c) Occupation

Calderon-Larranaga A et al. JIM 2018



Dektyar S, Vetrano DL et al. in press in AJE





The impact of chronic disease on the labour market

Framework

Fabiola Silvaggi, PhD, Researcher and Psychologist Foundation IRCCS Neurological Institute "Carlo Besta", Italy, WP8

Chronic diseases and Employment WHAT IS THE SITUATION?

25% of European population in working age shows symptoms of at least ONE chronic disease and that the percentage of people with chronic diseases actively working is at least 19% of the whole workforce

(European Network for Health Promotion in Workplaces,2016)



Chronic disease can result in increased sick leave, unemployment, or early retirement, and thus increased welfare reliance for disability The employment rate of people with one or more chronic conditions, especially aged +50 yrs, is much lower than for those who do not suffer from any condition

10B

CD also affect employers, that have to deal with absence from work, issues connected to employability, costs of retaining or replacing workers, and internal company policies, aspects which are crucial for hiring as well as reintegrating persons with CD.

On the other hand, work is a protective factor improving quality of life and well-being for people with CD.





Chronic diseases and Employment

What actions can be implemented to manage people with chronic diseases at work?

Work Retention

Return to work





EMPLOYMENTINTHEMULTIMORBIDITYCHRONIC CARE MODEL

In the care pathways there could be 2 possible ways of introducing the issue of employment:

• All the care pathways

Introduction of Work Ability Index (WAI)

Rehabilitation programs

Introduction of Work Rehabilitation Questionnaire (WORQ)





EMPLOYMENT IN THE MULTIMORBIDITY CHRONIC CARE MODEL: WORK ABILITY

Definition of Work Ability

The Finnish Institute of Occupational Health (FIOH) - 1980

"How good is the workers at present and in the near future, and how able is he/she to do his/her work with respect to work demands, health, and mental resources?"

It considers the workers' self-assessed work ability in relation to work requirements, health status and the worker resources.





EMPLOYMENT IN THE MULTIMORBIDITY CHRONIC CARE MODEL: WORK ABILITY

Work Ability Index

http://www.arbeitsfaehigkeit.uni-wuppertal.de/index.php?wai-online-en

7 Items

- Current work ability compared with the lifetime best
- Work ability in relation to the demands of the job
- Number of current diseases diagnosed by physician
- Estimated work impairment due to diseases
- Sick leave during the past year (12 months)
- Own prognosis of work ability two years from now
- Mental resources





EMPLOYMENT IN THE MULTIMORBIDITY CHRONIC CARE MODEL: WORK ABILITY

Scoring of the Questionnaire (range 7-49 points)

Points	Work ability	Objective of measures
7 - 27	POOR	RESTORE WORK ABILITY
28 - 36	MODERATE	IMPROVE WORK ABILITY
37 - 43	GOOD	SUPPORT WORK ABILITY
44 - 49	EXCELLENT	MAINTAIN WORK ABILITY





Background and Rationale Document prepared by FINCB and UCSC





Employment in the multi-morbidity care model for people with chronic conditions

Background and rationale

Prepared for the JA CHRODIS PLUS WP6-WP8 Expert Meeting

ROME, ITALY 28 / 02 / 2019

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Graziano Onder, MD, PhD., WP6 Leader Davide Vetrano, MD, PhD student Considering this background the focus of our discussion session will be:

How to introduce the employment into the Multimorbidity Care Model so as to innovate care and pathways of chronic patients







Thank you for your attention

The Joint Action on Implementing good practices for chronic diseases (CHRODIS PLUS)

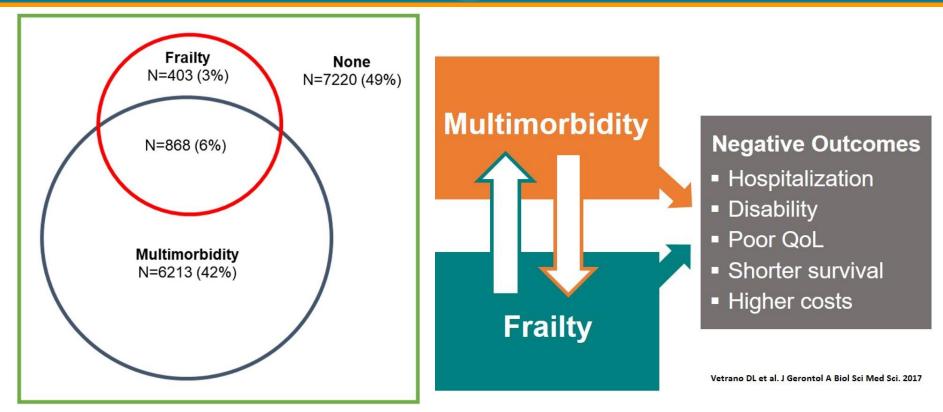
This presentation arises from the Joint Action CHRODIS PLUS. This Joint Action is addressing chronic diseases through cross-national initiatives identified in JA-CHRODIS to reduce the burden of chronic diseases while assuring health system sustainability and responsiveness, under the framework of the Third Health Programme (2014-2020). Sole responsibility lies with the author and the Consumers, Health, Agriculture and Food Executive Agency is not responsible for any use that may be made of in the information contained therein.











N=14,704 (9 studies)

Vetrano DL et al. J Geront Med Sci (2018)



