

# Case management and self-management support in primary care for individuals with chronic diseases who are frequent users of health services: A pre-implementation evaluation

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## INTRODUCTION

- A number of people with chronic diseases require more health services due to characteristics that increase their vulnerability.
- Case management and self-management strategies in primary care have been proposed as promising interventions to address the special needs of this vulnerable population and to encourage them to play a greater role in the management of their health.
- The implementation of such an intervention needs to be informed by primary care practitioners' perspectives about the situation of the target patients as well as the pre-implementation contextual factors.

## OBJECTIVES

- To present results of the pre-implementation evaluation phase of a pragmatic intervention [1] combining case management by a primary care nurse [2] and self-management support based on the Stanford Program [3] for individuals with chronic diseases (diabetes, cardiovascular diseases, respiratory diseases, musculoskeletal diseases and/or chronic pain) who are frequent users of health services, considered as vulnerable patients.
- The pre-implementation evaluation aimed to describe:
  - 1) The characteristics of the four primary care practice settings (Family Medicine Groups – FMG) in which the intervention will be implemented;
  - 2) The current processes used by these FMG with this vulnerable population and integration of services;
  - 3) Issues related to the implementation.

## METHODS

- Realistic evaluation approach [4]
- Descriptive qualitative methods
- Data were obtained through:
  - Four focus groups with family physicians in participating FMG (n=25)
  - Interviews and focus groups with primary care nurses (n=10)
- Thematic analysis

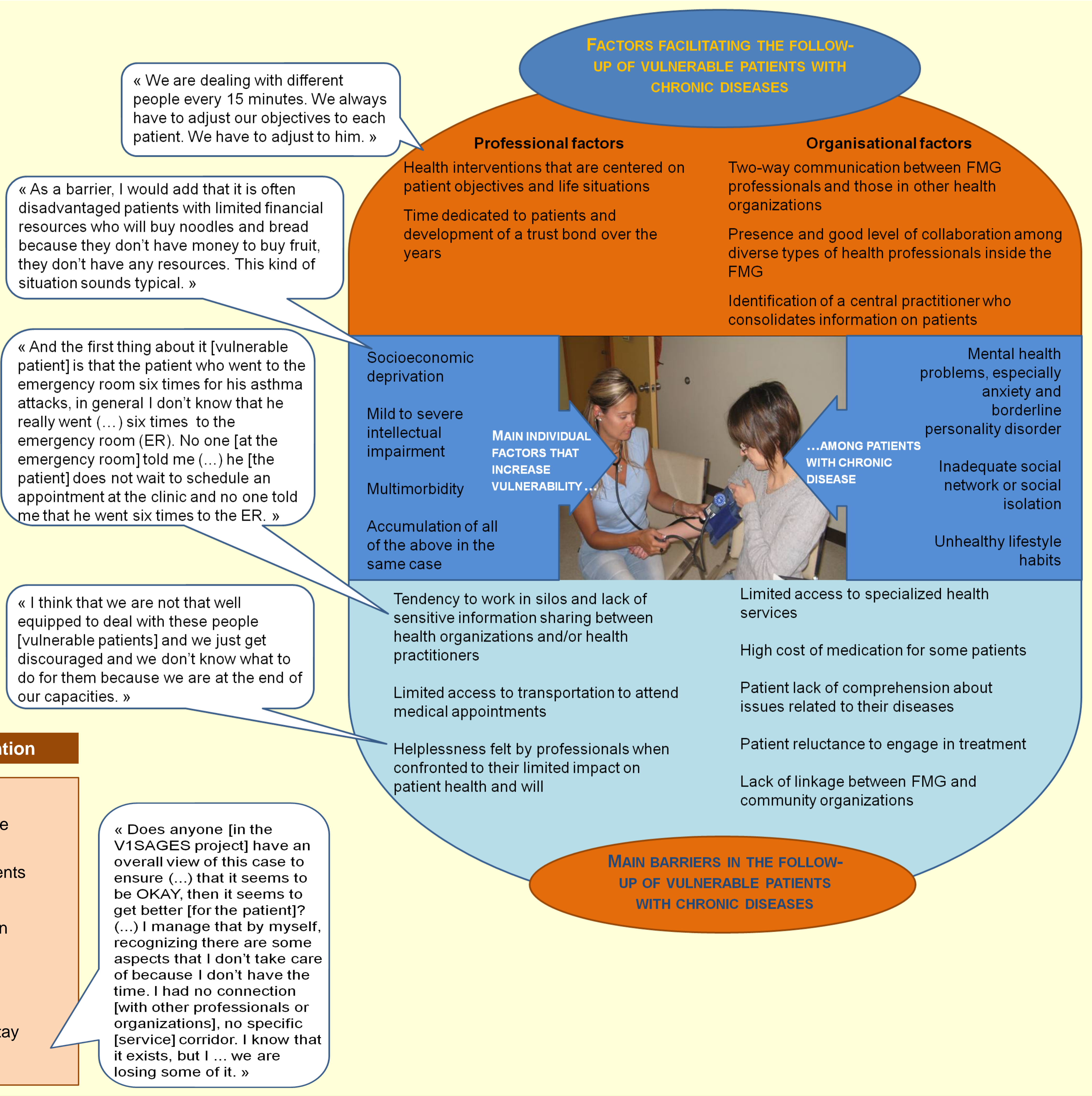
## RESULTS

Characteristics of the four Family Medicine Groups (FMG)

FMG	Patients (N)	Vulnerable patients (N)	Primary care providers	Characteristics
Urban #1	9,594	3,409	16 family physicians 22 family medicine residents 3 primary care nurses 1 psychologist	<ul style="list-style-type: none"> <li>• Medical training environment</li> <li>• FMG accreditation in 2004</li> </ul>
Urban #2	4,090	2,003	5 family physicians 1 primary care nurse	<ul style="list-style-type: none"> <li>• FMG accreditation in 2011</li> </ul>
Semi-urban	17,441	5,678	12 family physicians 1 specialized nurse practitioner 4 primary care nurses 1 social worker 1 nutritionist	<ul style="list-style-type: none"> <li>• FMG accreditation in 2004</li> <li>• Network-clinic accreditation in 2010</li> </ul>
Rural	4,928	2,126	5 family physicians 1 primary care nurse 1 social worker	<ul style="list-style-type: none"> <li>• FMG accreditation in 2008</li> </ul>

Contextual factors to consider in the implementation of the intervention

- Complexity of the task for case management nurses
- Hiring of a nurse who has the right personal and professional skills for case management
- Nurse turnover and consequences on the trust bond established with patients
- Considerable changes in professional practice, especially for physicians
- Ability to establish flexible collaboration and information exchange between practitioners and organizations involved in a case
- Team capacity to resolve logistical challenges during the implementation
- Sustainability of changes brought on by a short-term project
- Centralization of information around the nurse and physician capacity to stay informed about patients' health condition



## LIMITATIONS

- Did not consider perceptions of other primary care providers in FMG (social worker, psychologist, nutritionist, etc.).
- Did not discuss perceptions of case management and self-management support with primary care nurses who are not participating in the project.

## CONCLUSIONS

- The context and current processes identified in the follow-up of individuals with chronic diseases who are frequent users of health services will inform the research team and stakeholders in primary care and the healthcare network, guide the implementation process and contribute to the understanding of their influence on the implementation within FMG.
- The pre-implementation evaluation was pursued by interviews with primary care manager, vulnerable patients and their careers, community pharmacists, health center professionals and managers, and community partners.

## REFERENCES

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