

Implementation analysis of case management programs for frequent users of healthcare services: a multiple embedded case study

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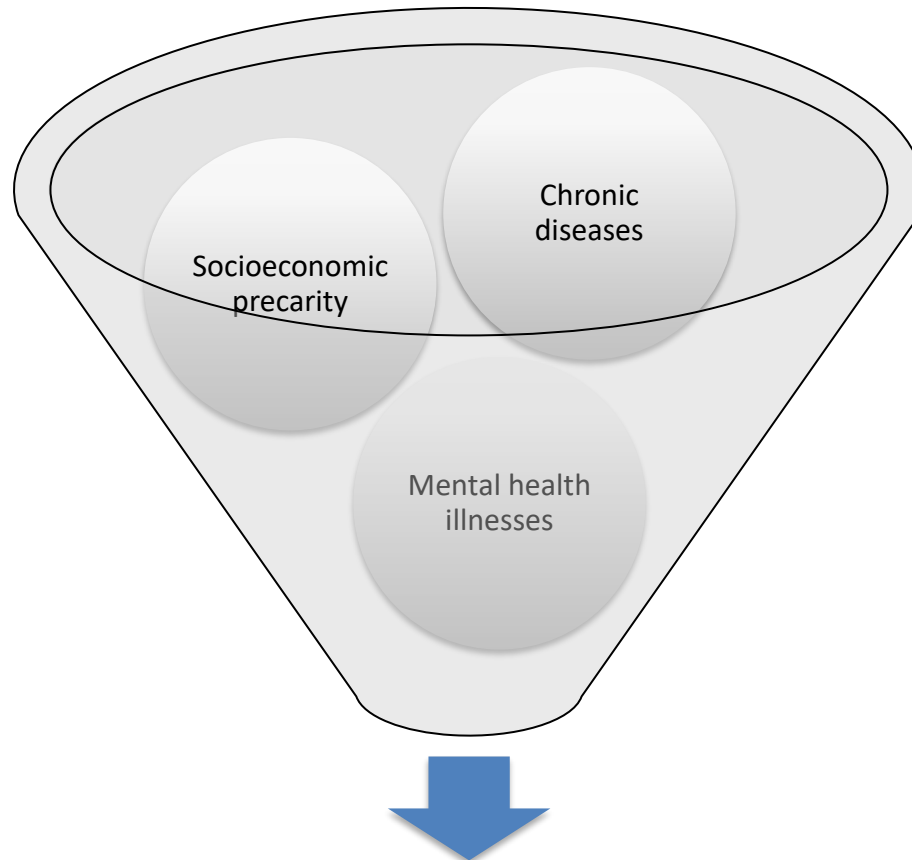
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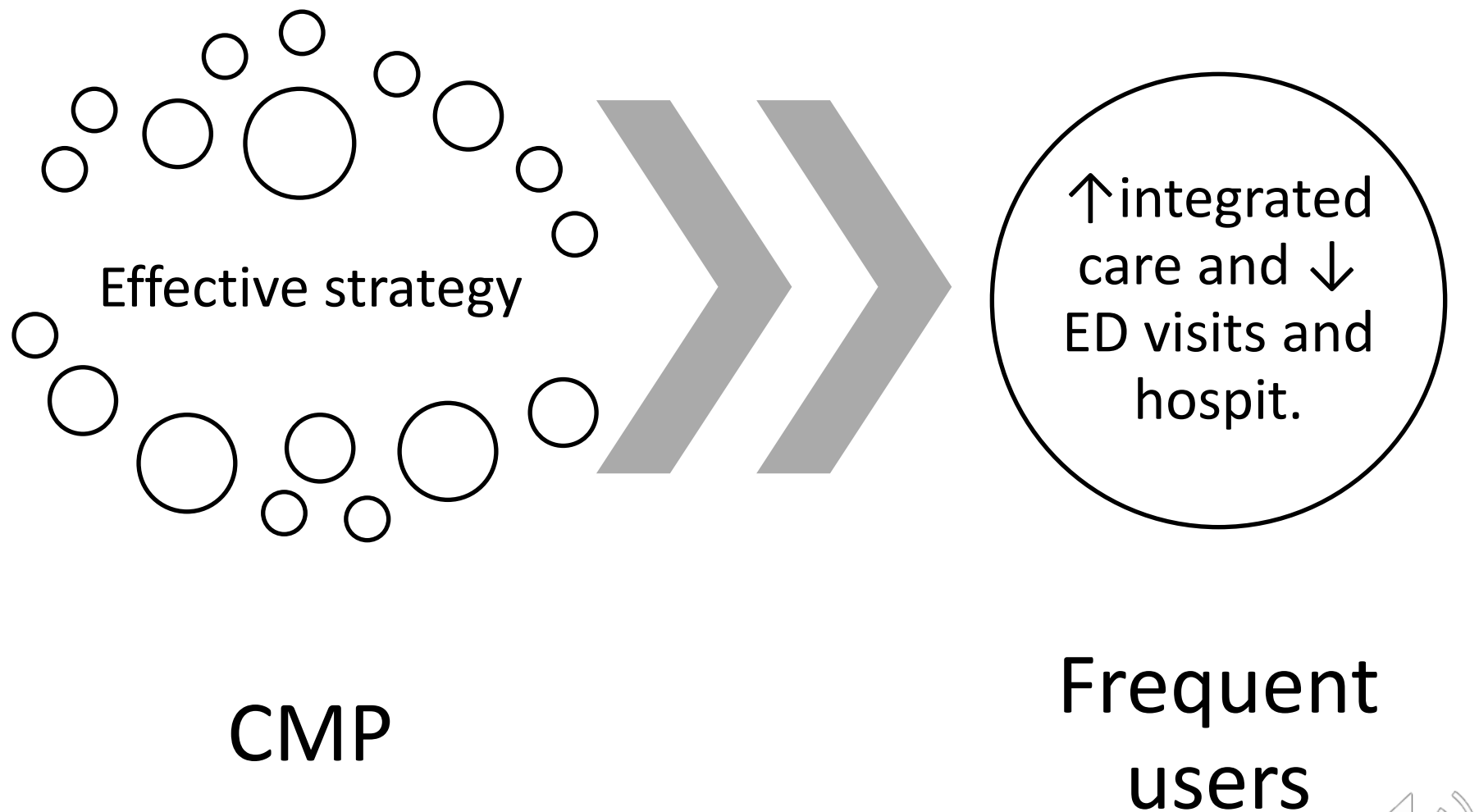
Frequent use of healthcare services



Complex needs (Kreig 2016)

and frequent use of healthcare services (Blumenthal 2016)

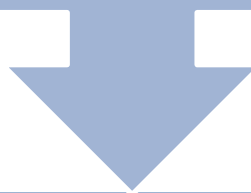




Case management programs (CMP)



Strong evidence about
effectiveness



Paucity of evidence about
implementation



Aim of the study



To identify characteristics
of CMP and their context
contributing to impact
on patient and health
services use

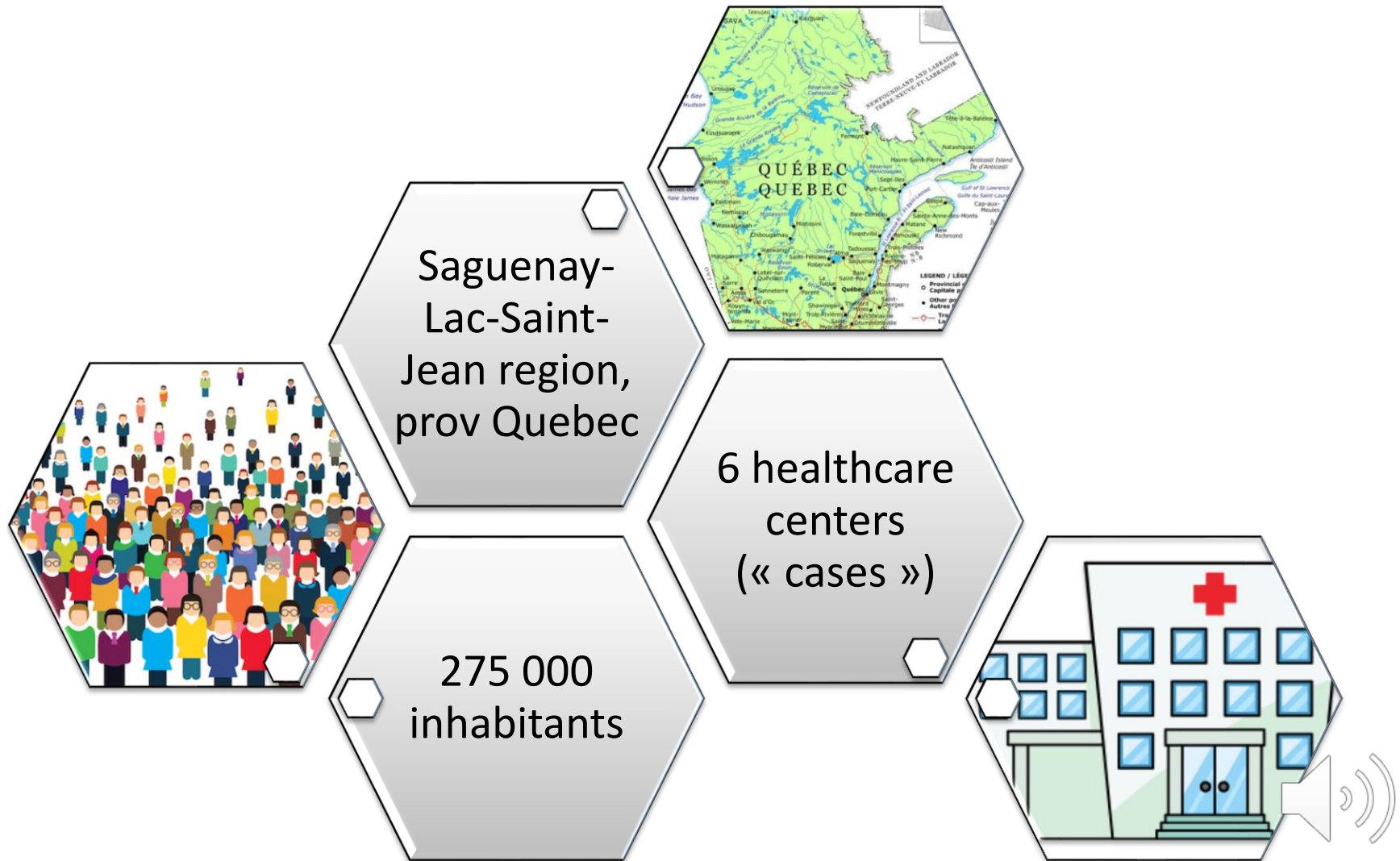


Research questions

- ✓ What characteristics of CMP...
- ✓ What characteristics of their context...

... contribute to impact on self-management,
patient experience of integrated care, and health
services use





Structural and environmental factors

Organizational factors

Practitioners-level factors

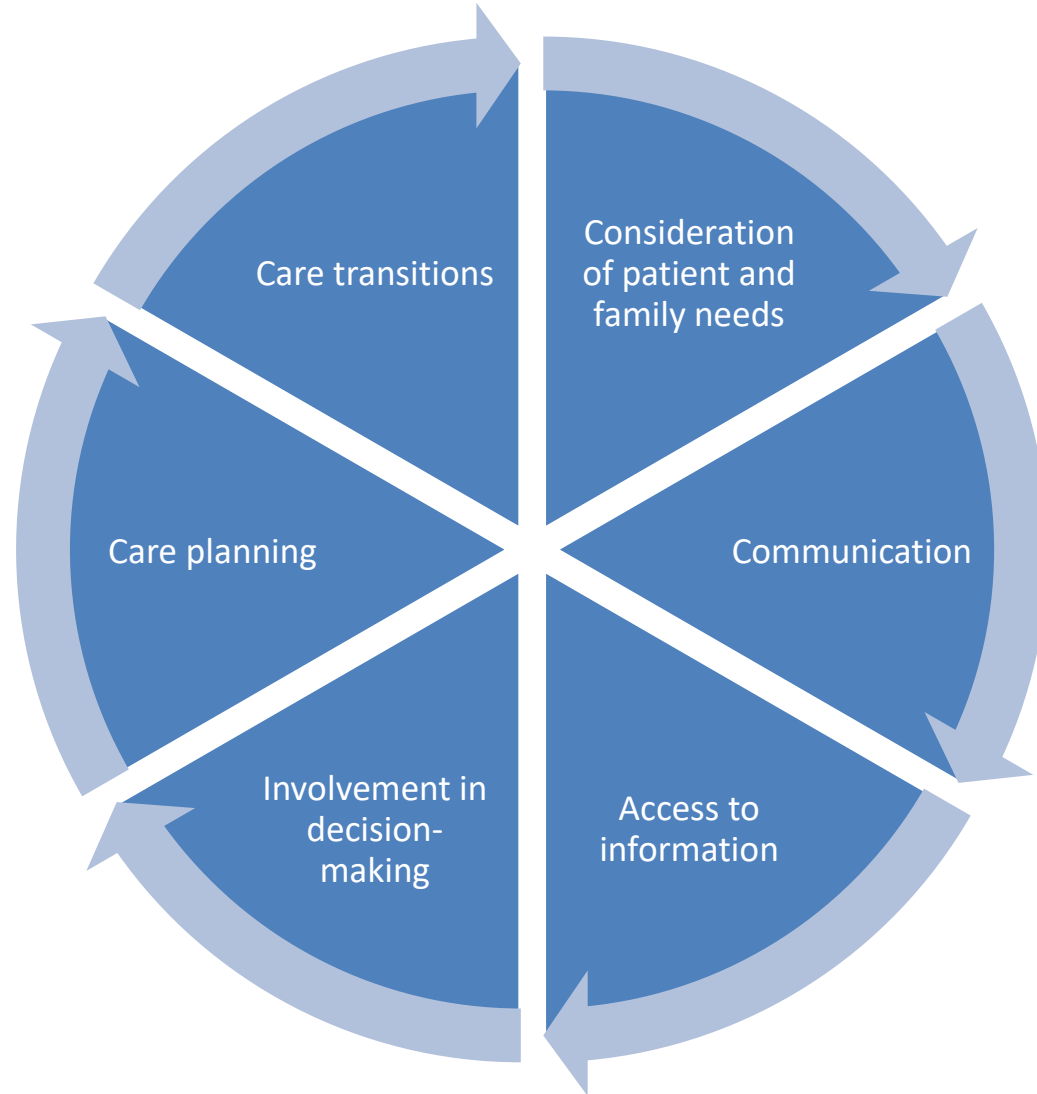
Patients-level factors

Innovation-level factors



Patient Experience of Integrated Care

(National Collaboration for Integrated Care and Support, 2013)



Mixed-method data collection

Individual interviews
and focus groups
with key actors

Participant
observation during
quarterly meetings of the
CMP committee

Document analysis

Number of frequent
users (6 ED visits or more)
measured monthly



Qualitative data: Deductive and inductive thematic analysis

Quantitative data:
Graphic illustrating the number of ED frequent users

Comparison and merging of qualitative and quantitative results for each case. Reporting and comparison of the 6 case histories



Results: participants

- ✓ Semi-structured interviews (n=56) and focus groups (n=11):
 - 24 patients
 - 12 case managers and coordinators
 - 8 decision-makers
 - 12 family physicians
 - 25 community stakeholders
 - 6 pharmacists

- ✓ Participant observation:
 - case managers' training (n=1)
 - committee meetings (n=11) and activities (n=6)

Qualitative results

	Case A	Case B	Case C	Case D	Case E	Case F
Structural and environmental-level factors						
(+) Proximity between providers		↑ patient support		↑ communication between healthcare professionals ↑ healthcare transitions	↑ communication between healthcare professionals ↑ healthcare transitions	↑ collaboration with medical teams ↑ communication among case manager, managers and healthcare professionals
Organizational-level factors						
(-) Staff turnover and teams' instability		↓ continuity of care		↓ follow-up with healthcare professionals	↓ continuity of care	↓ patient information ↓ continuity of care
(+/-) Information access / Lack of information access			↑ better response to the patient's needs	↓ continuity of care between hospital and clinics	↑ communication among case manager, ED physicians, liaison nurses and mental health nurses	↑ health care transitions
(+) Managers support		↑ services access for patients with very complex needs ↓ use of healthcare services				↑ case manager legitimacy and autonomy ↓ use of services



Qualitative results

	Case A	Case B	Case C	Case D	Case E	Case F
Practitioners-level factors						
(+) Case managers leadership (skills, personal qualities, attitudes, previous experience, networking)		↑ access to other healthcare providers; leads to better follow-up; and decreases healthcare use		↑ patient-centred care and improves access to adapted services ↑ continuity of care ↓ ED visits by developing new trajectories of care		
(+) Providers engagement					↑ collaboration, communication and exchange of patient's information	
(+) Inter-professional collaboration	↑ follow-up and a better response to patient needs		↑ communication ↓ healthcare use		↑ access to patient information ↑ continuity of care	↑ communication ↑ patient's knowledge of the care planning ↑ appropriate use of resources

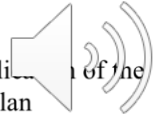


Qualitative results

	Case A	Case B	Case C	Case D	Case E	Case F
Patients-level factors						
(+) Anxious patient	↓ ED visits because of the case manager reassurance					
(+) Patient with good self-management skills		↑ patient's engagement		↑ patient's engagement		
		↓ ED visits		↓ ED visits		



Qualitative results

Innovation-level factors					
(+) Individualized services plan (ISP)	↑ patient support and follow-up ↑ patient involvement ↑ access to care	↑ patient care planning	↑ communication	↑ inter-professional collaboration, communication, information exchange and healthcare transitions	↑ healthcare professionals' knowledge of the care plan
(+) Consideration of patient and family needs	↑ patient adherence to the program ↓ healthcare use		↑ involvement of the patient in decision-making	↑ patient-provider trusting relationship, which strengthens self-management support	↑ patient's involvement in decision-making
(+) Self-management support approach	↑ patient confidence, which leads to decreases their health services use (3)		↑ bond of trust between case manager and patient, which helps to improve communication		
(+) Involvement of relatives in decision-making / relatives support	↑ bidirectional exchange of information	↑ knowledge of patient's needs and situation ↑ patient and relatives awareness	↑ patient's adherence to the care plan	↑ response to patient needs ↓ patient health services use ↑ application of the care plan	

Quantitative results

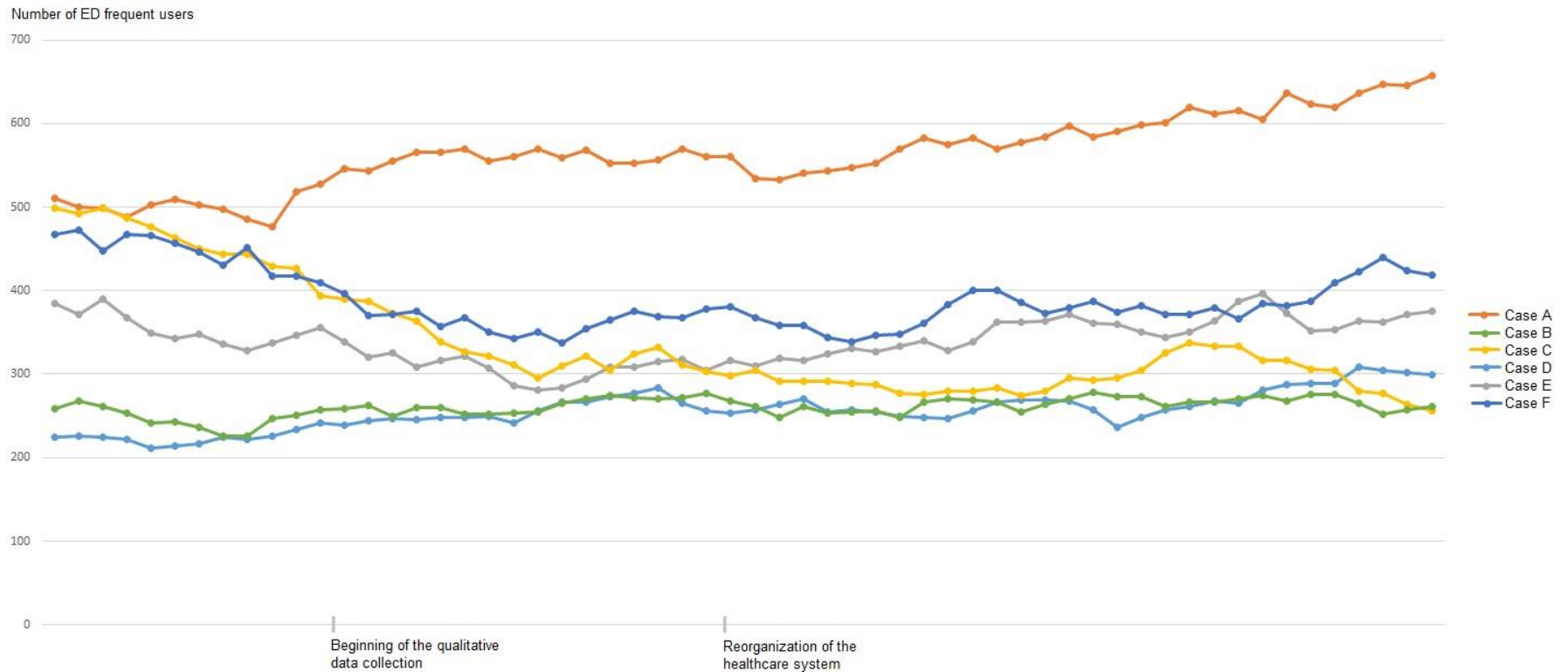


Fig. 1. Number of ED frequent users (6 visits or more in the previous year) for each case



Integrated results

Skills, leadership
and experience of
the case manager

Proximity with
providers
facilitates
communication

Well supported
by managers to
personalize care
trajectories

Staff turnover
and instability

Negative impact
on
communication
and transitions

Strengths and limits



- In-depth description of the settings
- Diversity of the contexts



- Few factors related to patients
- Transferability limited to similar contexts



Key messages

Facilitate skills, leadership and experience of the case manager, as well as proximity with providers

Give good support and autonomy to the case manager

Promote teams stability

Implement a CMP considering patient and family needs and involving them in decision-making

Find a good balance between coordination and self-management support



Questions?

