

# EHMA 2024

Shaping and managing  
innovative health ecosystems

## How to implement multichannel interactions in healthcare?

*Lessons learned from the experience of the rheumatology  
unit of Niguarda Hospital in Italy*

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5 – 7 June 2024 – Bucharest, Romania

Politehnica University of Bucharest, Bucharest, Romania

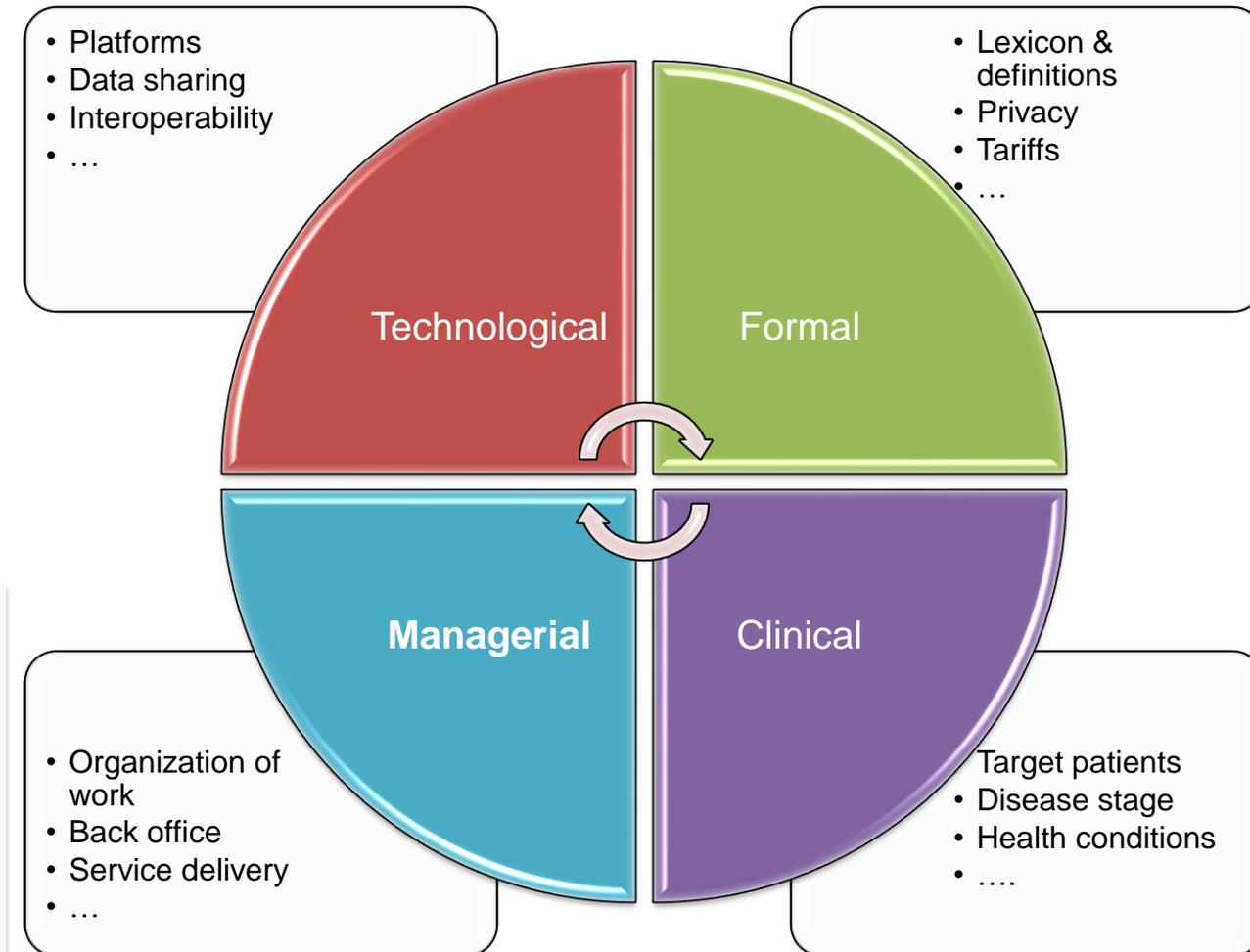
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- The use of telemedicine has increased significantly during and after Covid -19 pandemic
- There is a consolidated debate in the literature (e.g. Delgoshaei et al. 2017, Combi et al. 2016, Khanal et al. 2015, Ekland et al. 2010, Wade et al. 2010)
- Healthcare has undergone transformative shifts with the adoption of digital innovations:
  - from paper-based records to electronic health records (EMRs and EHRs),
  - widespread telemedicine adoption,
  - the recent incorporation of AI-based tools and decision support systems
  - **Shift from physical to multichannel interactions**

A recent scoping review suggested that **slow rate of adoption of telemedicine may be due to a piecemeal approach to the change process, and a lack of understanding of how to plan, manage and reinforce change when implementing telemedicine service**

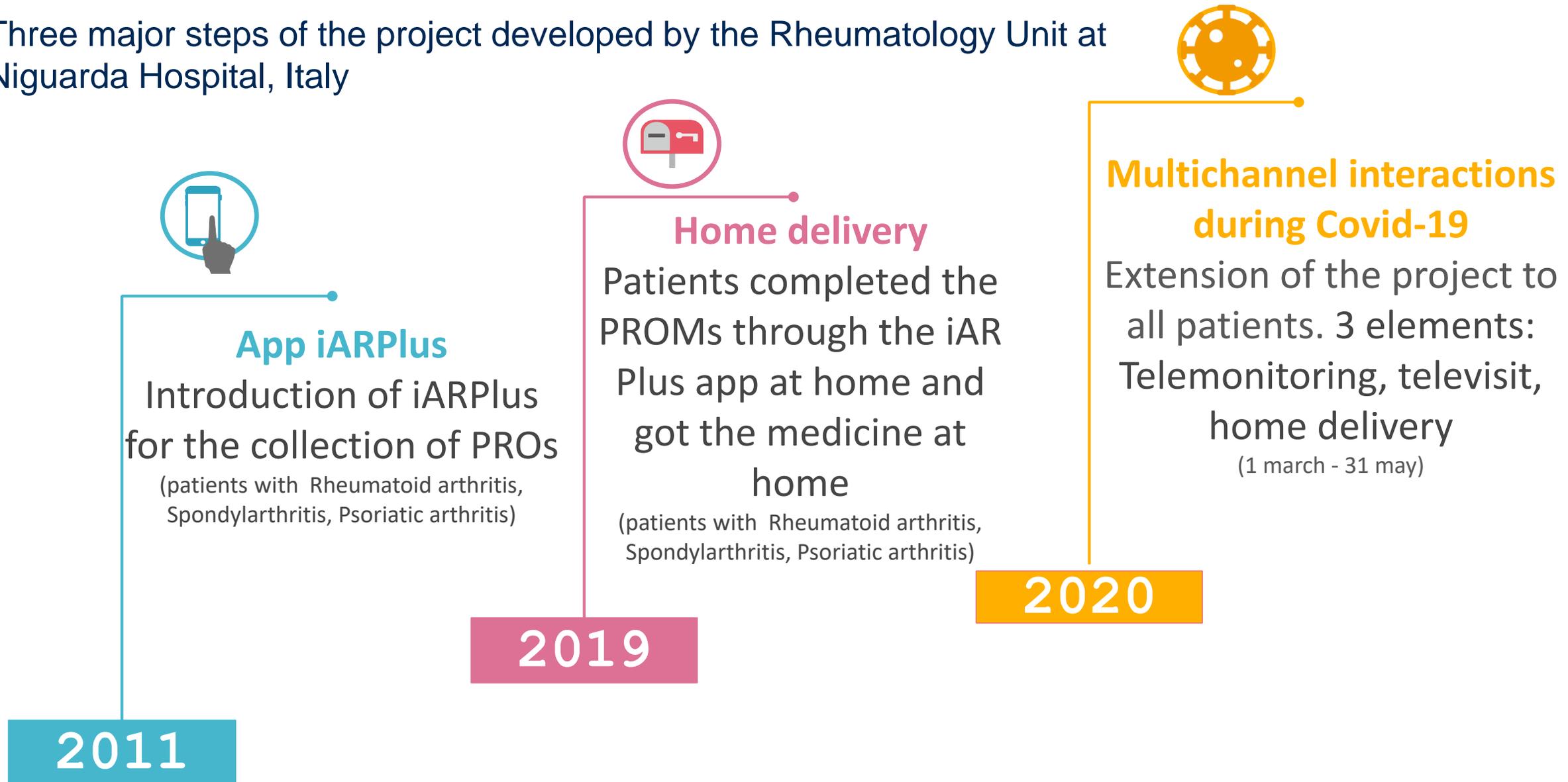
(Kho et. Al, 2020)

## *A framework for multichannel interactions*



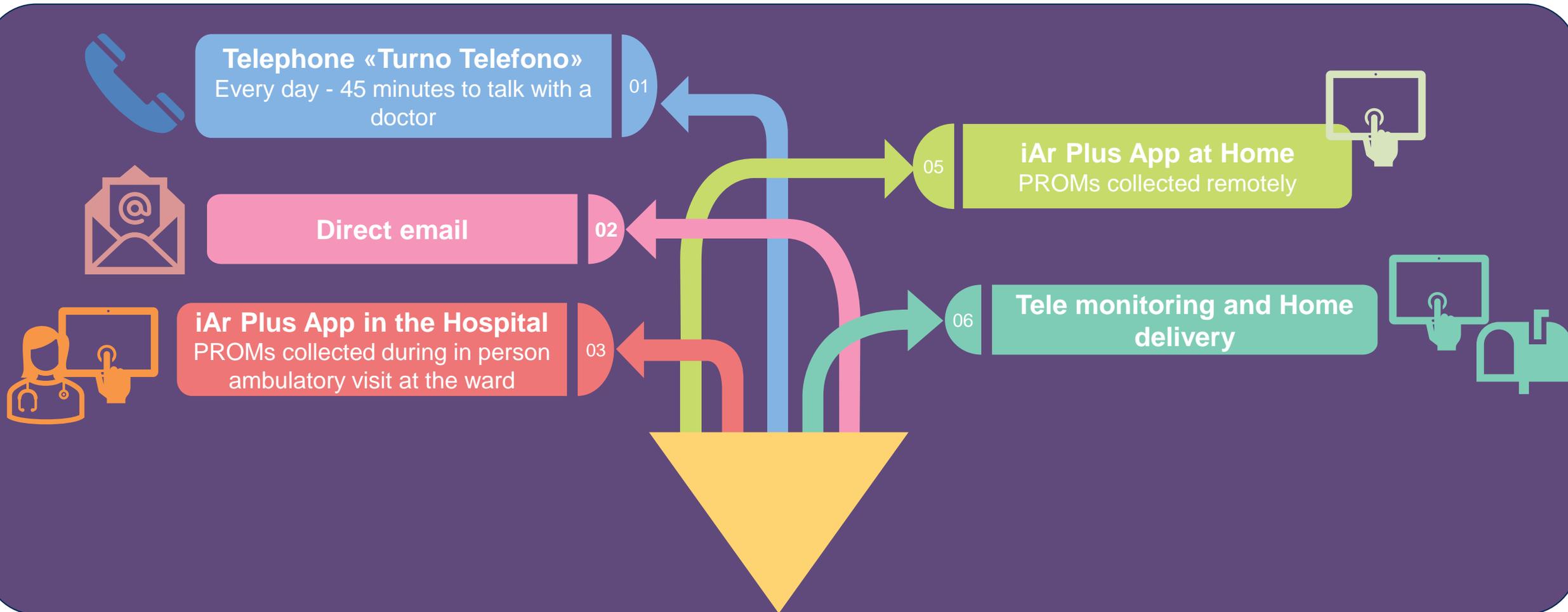
# OUR FOCUS: A CASE STUDY OF SUCCESSFUL IMPLEMENTATION OF TELEHEALTH SERVICES

Three major steps of the project developed by the Rheumatology Unit at Niguarda Hospital, Italy



# AN EXAMPLE OF MULTICHANNEL PATIENT INTERACTIONS

Patients experience with «telemedicine» - multi channel interactions



- The telemedicine approach reshaped the care pathway of patients with rheumatoid arthritis, spondylarthritis and psoriatic arthritis with respect to:
  - **time**: the follow-up processes are adapted to the health status of the patient and not to the organizational needs
    - improvement of the appropriateness of check-ups, reduction of the number of visits for stable patients, and reduction of waiting times
  - **space**: as an alternative to the in-person visit patients were followed through tele monitoring, tele visit followed by the home delivery of biological drugs
- It represents a consolidated experience with more than 10 years of experience, allowing the analysis of the change incurred before, during and after Covid-19

- 1) What are the distinctive and successful elements of the experience developed by Niguarda?
- 2) What can we learn from this experience, and which managerial implications we can derive from this experience?

## Reserach questions

To highlight what we could learn from this implementation experience, what were the distinctive and successful elements, and which managerial implications we could derive for future implementations

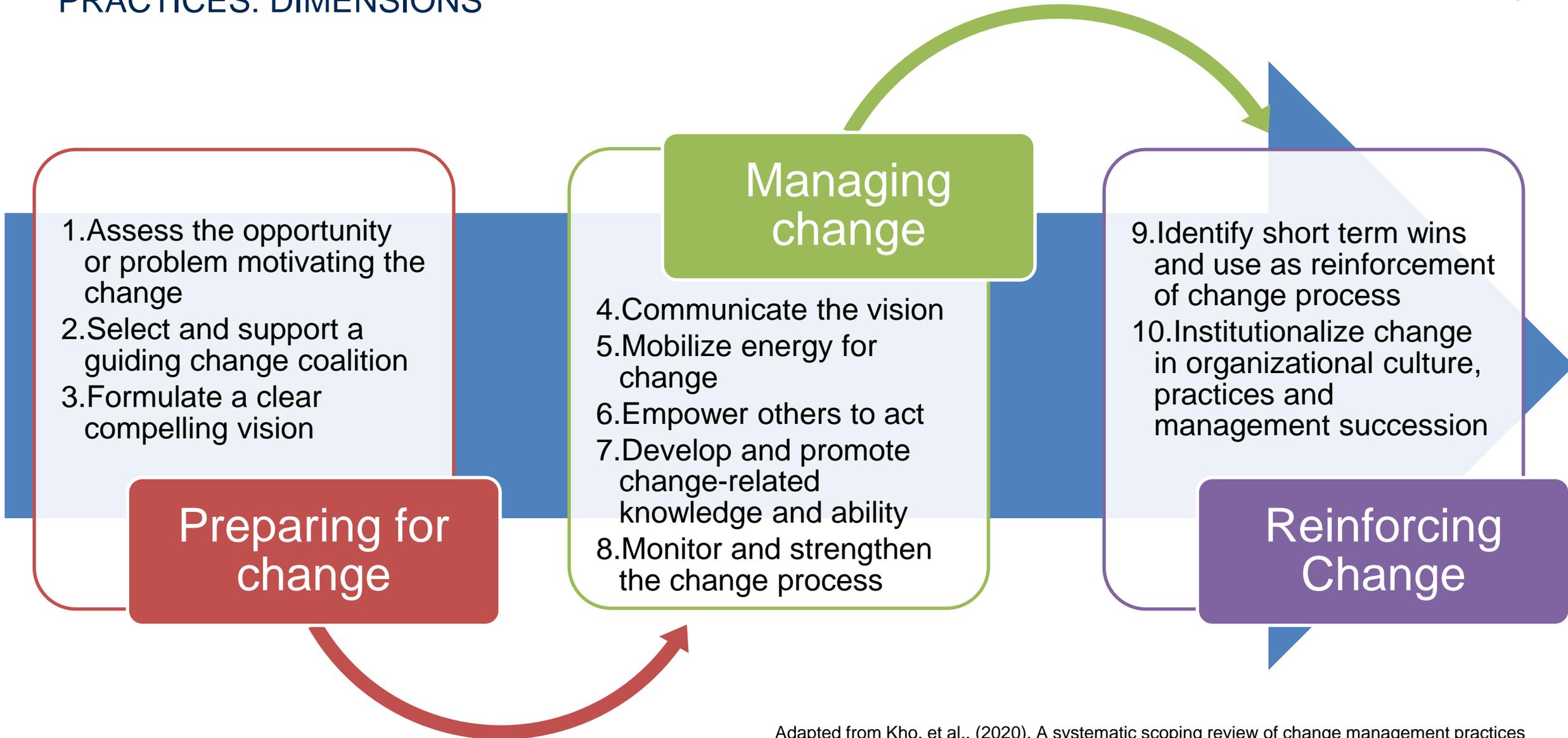
## Objectives

Realist evaluation approach to identify what worked, for whom, in which circumstances and what were the underlying generative mechanisms

Semi structured interviews with staff members

## Methods

# FRAMEWORK FOR THE ANALYSIS OF CHANGE MANAGEMENT PRACTICES: DIMENSIONS



Adapted from Kho, et al., (2020). A systematic scoping review of change management practices used for telemedicine service implementations. BMC health services research, 20(1), pp.1-16.

# RESULTS: 1) STRATEGIC PRACTICES ADOPTED

	Strategic practices	Present	Absent
<b>Preparing for change</b>	1. Establish plans	X	
	2. Gain leadership and management support		X
	3. Identify champions	X	
	4. Engage partners and stakeholders	X	
	5. Develop and articulate a clear, simple vision	X	
<b>Managing change</b>	6. Communicate changes and understanding of telehealth	X	
	7. Gain stakeholder trust, acceptance and buy-in	X	
	8. (Continue to) engage partners and stakeholders	X	
	9. Facilitate ownership of the service	X	
	10. Monitor change and maintain flexibility		X
<b>Reinforcing change</b>	11. Identify short term wins		X
	12. (Continue to) engage partners and stakeholders	X	
	13. Evaluate the changes and maintain flexibility		X

# RESULTS: 2) OPERATIONAL PRACTICES

	Operational practices	Present	Absent
Preparing for change	1. Conduct a needs assessment	X	
	2. Assess compatibility of telehealth equipment and applications	X	
	3. Assign coordinating roles	X	
	4. Ensure adequate resources	X	
Managing change	5. Provide training and education	X	
	6. Develop new work processes, protocols and procedures	X	
Reinforcing change			

# DISCUSSION:

## CRUCIAL FACTORS FOR THE SUCCESSFUL IMPLEMENTATION OF TELEHEALTH

### 1. Successful implementation requires a conducive context and a robust managerial structure

#### Leadership

- Strong role of the ward director (vision/good practices)
- Specialization of the team
- Clear coordinating role

#### Team building

- Regular meetings
- Involvement of all the team
- Constant development of people (training) and tools

#### Vision

- Shared vision
- Constant meetings
- Everyone plays a part within the project

### 2. Higher implementation success for telehealth projects is attainable when all stakeholders embrace ownership and active involvement across project

- App co-designed with the software developers
- At the beginning: training done by the developers
- Now: peer to peer training

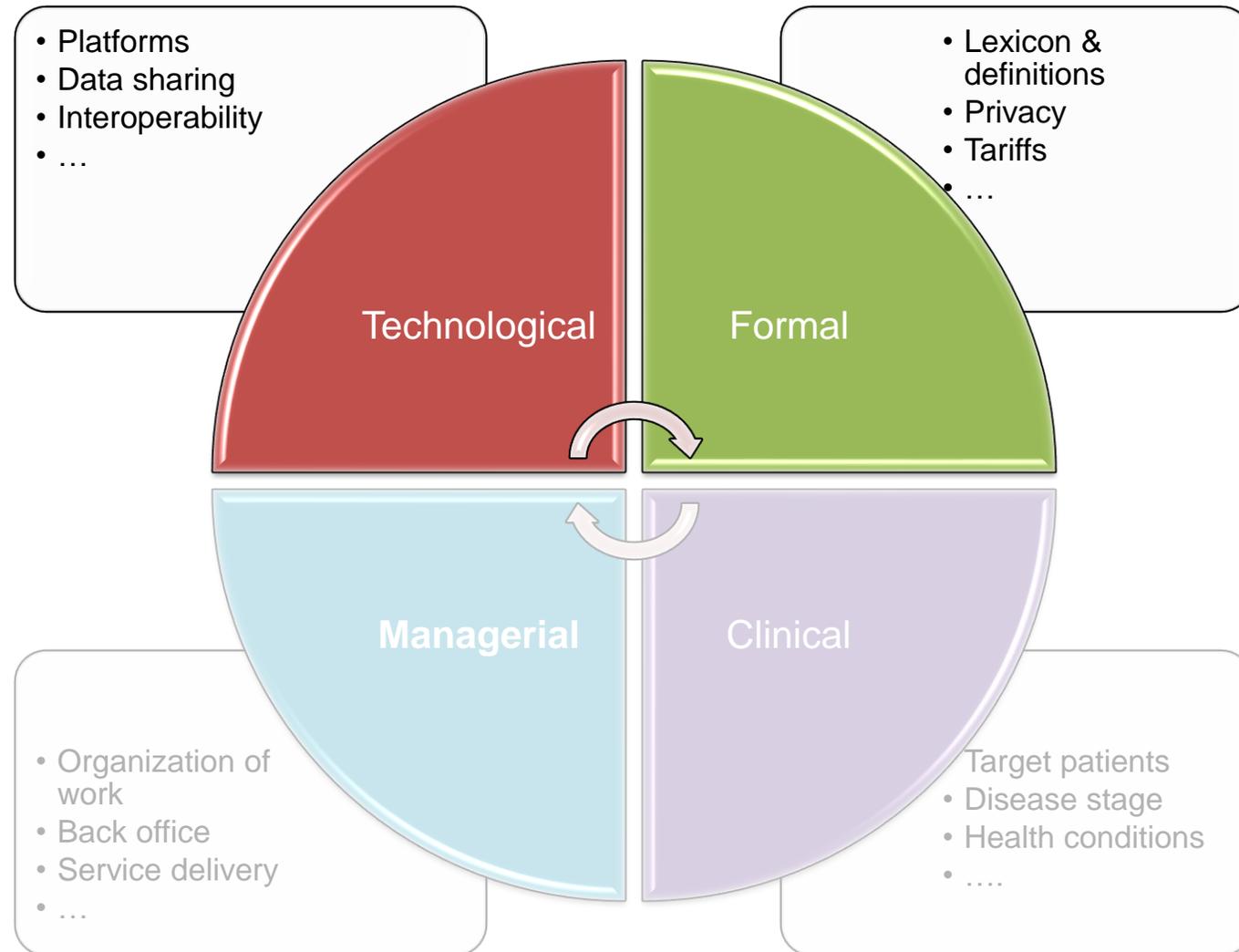
### 3. In a multichannel healthcare interaction, the final decision regarding service usage should rest with the patient

- Centrality: final decision on the kind of service to be used
- Trained on the use of telemedicine services

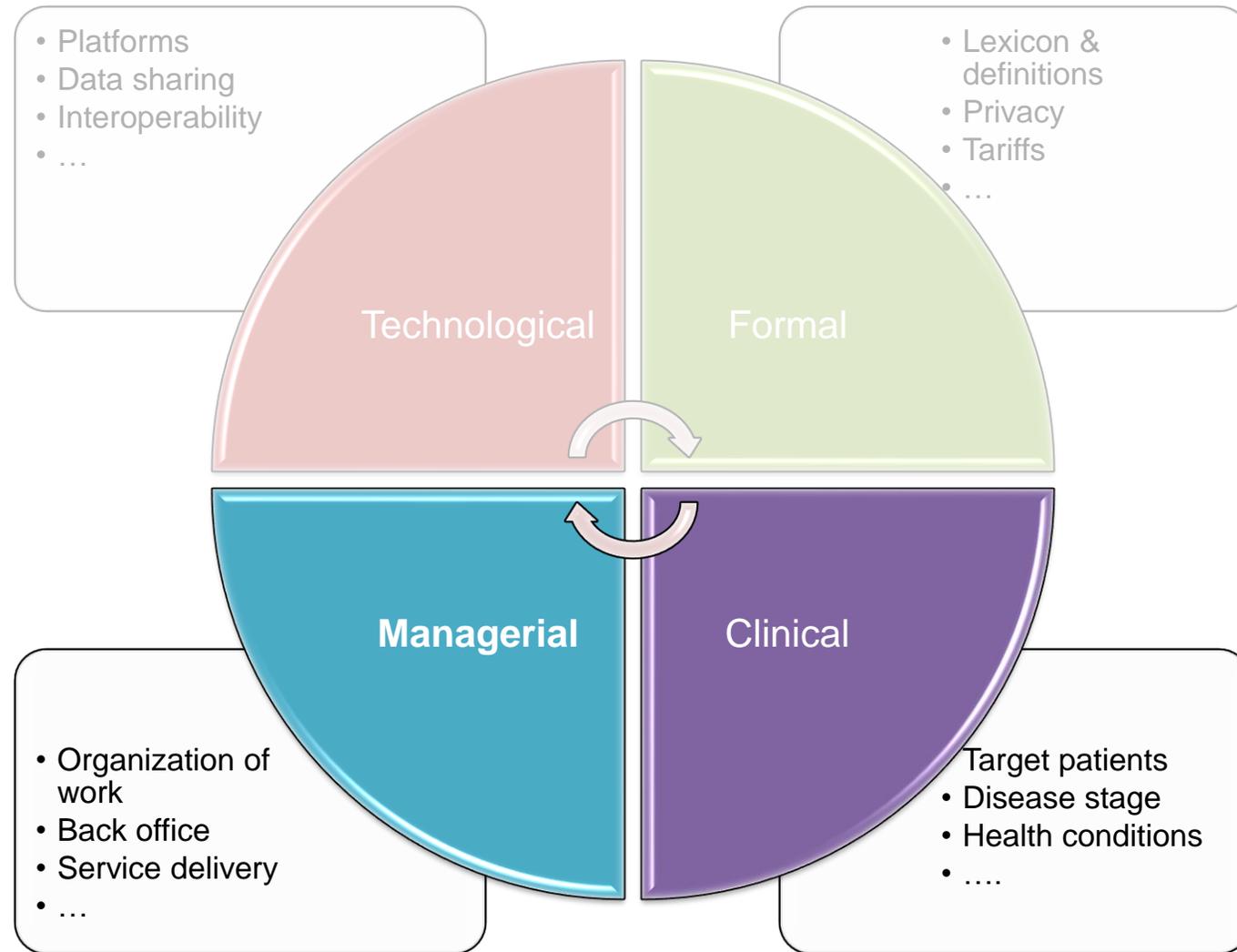
### 4. Incremental change propels telehealth projects toward heightened success

- Constant improvement
- One change at a time

# THE NEED FOR A SHIFT FROM A TECHNOLOGICAL & FORMAL DEBATE...



# ...TO A MATURE MANAGERIAL DEBATE





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# Thank you

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