





Doctors' perceptions of care coordination across care levels and associated factors in six Latin American countries

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Introduction

- Improving the coordination across care levels is a means to improve quality and efficiency in health systems
- At the core of PAHO's strategy to reinforce the health model based on primary care in Latin America
- Despite being a longstanding concern, it has scarcely been analyzed in this region

Theoretical framework

Clinical coordination across care levels

harmonious connection of the services needed to provide care to a patient along care continuum to achieve a common objective without conflicts

Clinical information coordination



Clinical management coordination

- Transfer of information
- Use

- Care coherence
- Follow-up
- Accessibility across levels

Organizational factors

- Coordination mechanisms
- Time available

Professionals' factors

- Values and attitudes
- Knowing each other

Aim

To determine the level of clinical coordination between primary and secondary care experienced by doctors and to explore influencing factors in public healthcare networks of six LA countries.

Method

Design

Cross-sectional study based on a survey of doctors (May to October 2015)

COORDENA-LA questionnaire adapted, pretested and piloted

Study population

Primary and secondary care doctors that had been working for at least three months in the study network

Sample

348 doctors in each country (174 per network)

Study areas



Method II

Outcomes variables

- 12 items on the clinical information and management coordination experienced
- Perception of care being coordinated across levels of care (always/often)

Analysis

- Univariated by countries
- Logistic regression model to assess the relationship between general perception of care coordination and associated factors, adding them by groups.

Explanatory variables

- 1. demographic: sex, age
- 2. employment conditions: care level, years working in the centre, type of contract, contracted hours, work in the private sector
- organizational conditions: time per patient and for clinical coordination
- 4. attitude towards the job: satisfaction with job and salary, plan to change job
- 5. doctors' interactional factors: identification of PC doctor as coordinator of patient care, knowing doctors of other levels and trusting in their clinical skills

Results

Coordination of information between levels of care

	AR (n = 350)	BR (n = 381)	CH (n = 348)	CO (n = 363)	MX (n = 365)	UR (n =353)
1. PC and SC doctors exchange clinical information on the patients we attenda	36.9%	19.4%	10.3%	43.8%	14.5%	43,2%
2. The information is necessary for the care of the patient ^a	74.4%	76.1%	62.0%	70.9%	66.5%	75.5%
3. PC doctors and SC doctors take the information we exchange into account in the care of the patient ^a	75.9%	78.1%	58.9%	78.2%	62.0%	87.6%

^a Results correspond to the categories <u>always</u> and <u>often</u>

Coordination of clinical management: consistency of care between levels

	AR (n = 350)	BR (n = 381)	CH (n = 348)	CO (n = 363)	MX (n = 365)	UR (n = 353)
4. Doctors do not request the repetition of tests that have already been performed at other care levels ^a	85.4%	81.6%	71%	66.9%	76.2%	87.1%
5. Doctors are in agreement over the treatments prescribed or indicated by doctors of other care levels ^a	54.3%	44.6%	48.6%	42.7%	35.3%	44.2%
6. There are no contradictions and/or duplications in the treatments that PC and SC doctors prescribe ^a	82%	75.9%	80.8%	73.8%	81.4%	82.7%
7. PC doctors refer patients to specialists when it is necessary ^a	71.7%	74.3%	65.8%	81.0%	63.8%	79.5%

^a Results correspond to the categories <u>always</u> and <u>often</u>

Coordination of clinical management: follow-up between levels

	AR (n = 350)	BR (n = 381)	CH (n = 348)	CO (n = 363)	MX (n = 365)	UR (n = 353)
8. The specialists refer patients back to the PC doctor for follow-up ^a	69.1%	62.2%	56.6%	34.2%	55.6%	47.3%
9. The specialists make recommendations to the PC doctor on diagnosis, treatment and other aspects for follow-up of the patient ^a	51.1%	26.5%	42.9%	38.6%	46.0%	50.4%
10. PC doctors consult the specialists with any queries they have about following up the patient ^a	49.7%	15.0%	12.1%	46.6%	9.0%	58.3%

^a Results correspond to the categories <u>always</u> and <u>often</u>

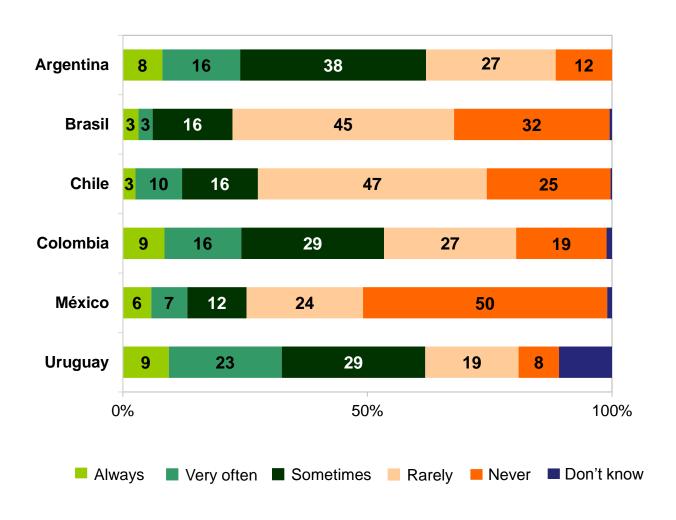
Coordination of clinical management: accessibility between levels

	AR (n = 350)	BR (n = 381)	CH (n = 348)	CO (n = 363)	MX (n = 365)	UR (n = 353)
11. When patient is referred to the specialist, they don't have to wait long for an appointmenta	27.7%	14.7%	18.1%	17.6%	34.3%	35.7%
12. After consultation with the specialist, when the patient requests to see the PC doctor, they don't have to wait long for the appointment ^a	69.7%	47.5%	57.8%	57.3%	55.9%	55.4%

^a Results correspond to the categories <u>always</u> and <u>often</u>

Doctors' general perception of coordination between levels

I think that the care provided is coordinated between the primary care and the specialists in the network



Factors associates with perceptions of high care coordination between levels

Variable	Categories	Odds Ratio aj. (95% I	C)		
Sex	Male Female	1 1.08	0.80	-	1.47
Age	24- 35 years 36 to 50 years > 50 years		0.72 0.95	-	2.21 2.90
Care level	AP AE	1 1.89	1.55	-	2.32
Type of contract	Temporary Stable	1 0.99	0.74	-	1.33
Contracted hours per week	< 20 hours 20 to 40 hours > 40 hours		0.64 0.40	-	1.53 1.29
Enough consultation time for coordination	No Yes	1 1.41	1.04	=	1.89
Satisfaction with the salary	No Yes	1 1.42	1.13	-	1.79
Satisfaction with the job	No Yes	1 1.70	1.41	-	2.04
Identifies PC doctor as coordinator of patient care across care levels	No Yes	1 1.51	1.12	-	2.04
Knows doctors of the other care level	No Yes	1 1.44	1.08	-	1.91
Trusts in clinical skills of doctors of the other car level	No Yes	1 2.51	1.77	-	3.54

Conclusion

 Doctors in all the study networks experienced limited clinical coordination, especially in terms of information exchange and, to a lesser degree, clinical management, with differences between care levels and countries



limited implementation of the model based on primary care as care coordinator

- The results support that interactional factors identifying the PC doctor as coordinator of patient care across levels, knowing doctors personally and trusting in their skills – are key aspects for care coordination
- Evidence of problems that require changes in aspects of employment, organization and doctors interaction.

Thanks for your attention!

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