

PHC mix of models, performance and context

By

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**PHC Cost-Effectiveness Research Project
Think Tank 2**

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Contexts,

Mix and performance of PHC models

3 Ideas

- **Contexts**
- **Contexts and Mix of PHC Models**
- **Contexts and Performance of PHC Models**

1 Source

- **Research project in Quebec**
 - **PHC in urban and rural settings : Organisation Models & Effects**

Contexts

- **Definition**

- Important, different and identifiable circumstances influencing the values, attitudes and behaviours of people

- **2 dimensions differentiating contexts**

- Composition :
 - Characteristics of individuals
- Circumstances
 - Characteristics of contexts

- **Quebec study : 3 characteristics of environment**

- Size of Population size of municipalities
- Distance from Urban centres : Montreal and Quebec
 - UrbCE, UrbPE, RurPE, RurRE
- Availability of healthcare resources within 15 minutes distance

PHC organisation Models & Geographical areas

	Professional Contact			Professional Coordination		Community	Total
	Solo	Groups		PHC	System	Integrated	
	Closed	Closed	Open				
UrbCE	41%	11%	30%	6%	10%	2%	100%
UrbPE	0%	29%	17%	42%	0%	11%	100%
RurPE	50%	0%	15%	19%	7%	9%	100%
RurRE	24%	25%	0%	14%	28%	10%	100%
Total	38%	12%	24%	12%	10%	4%	100%

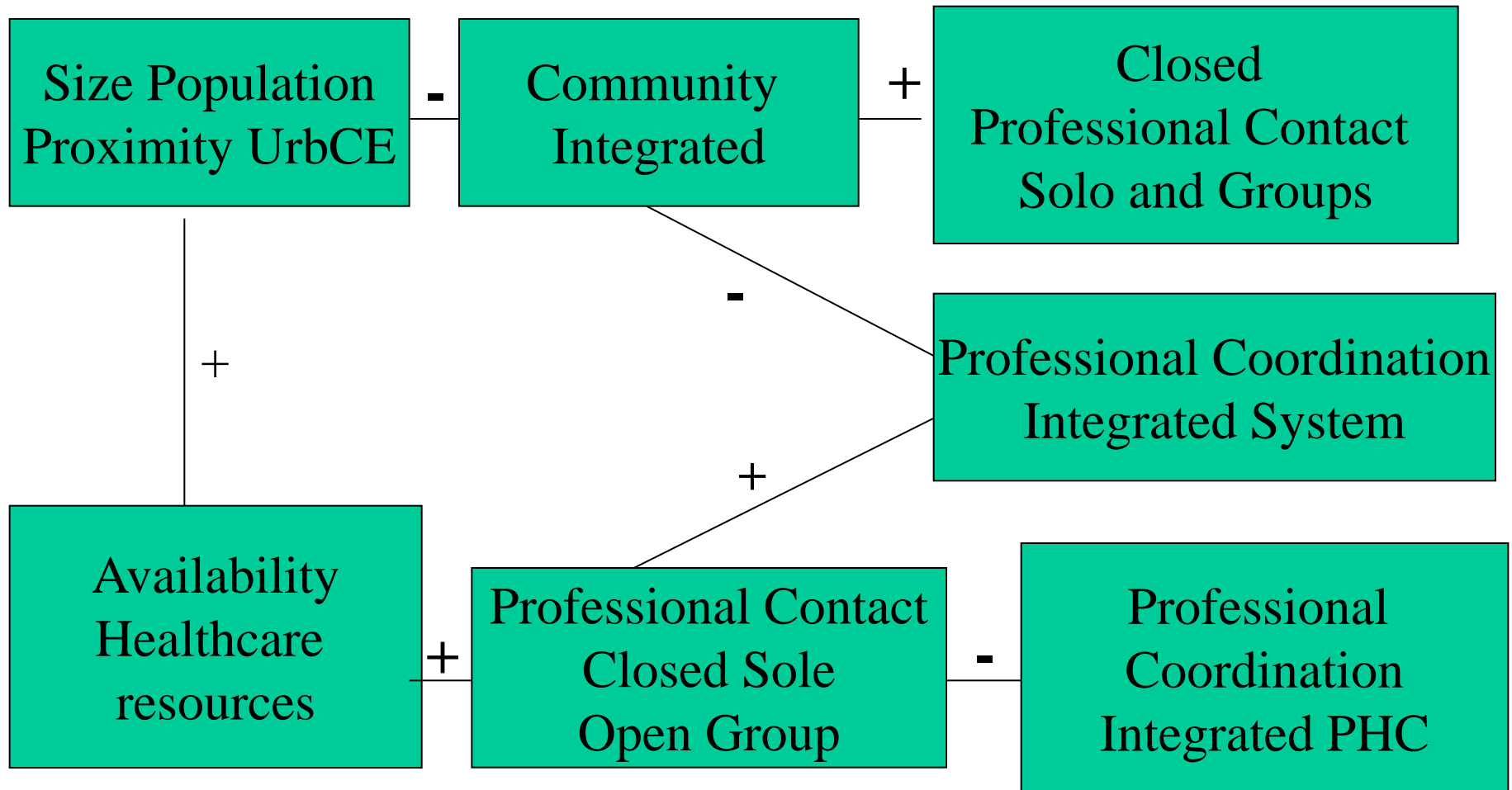
PHC organisation Models & PHC Resources

	Professional Models					Community Model	Total
	Contact			Coordination			
	Solo closed	Group Open	Group Open	Integrated PHC	Integrated System	Integrated	
Few	19%	16%	19%	26%	10%	10%	100%
Average	66%	9%	20%	3%	3%	0%	100%
Plus	26%	9%	35%	9%	18%	3%	100%
Total	38%	11%	25%	12%	10%	4%	100%

PHC organisation Models & Sub specialty Hospitals

		Professional Contact			Professional Coordination		Community	Total
		Solo	Groups		Coordination		Integrated	
		Closed	Closed	Open	PHC	All levels		
Nb Sub specialized Hospitals	None	15,4%	15,4%	7,7%	30,8%	23,1%	7,7%	100,0%
	Few	0,0%	0,0%	25,0%	50,0%	0,0%	25,0%	100,0%
	More	43,4%	10,8%	26,5%	7,2%	8,4%	3,6%	100,0%
Total		38,4%	11,1%	24,2%	11,1%	10,1%	5,1%	100,0%

Factors related to configuration of PHC models



Context and Health Care Experience

All users	Rank of presence of effect : Rank 1 > OR			
	RurRe	RurPE	UrbPE	UrbCE
ORGANISATIONAL ACCESSIBILITY	1	2	3	4
Ease of contact	1	2	3	4
Accessibility in urgent situation	1	2	3	3
CONTINUITY	1	2	3	4
Relational continuity	1	2	2	4
Management continuity	1	2	3	4
Information continuity	1	2	3	4
RESPONSIVENESS	1	3	2	4
Patient considered as a person	1	3	2	3
Time aspect	1	3	2	4
USE OF SERVICES	1	2	3	3
PHC	1	2	3	3
Specialists MS	1	3	3	1
ER	1	2	2	4
GLOBAL : RANK	1	2	3	4
Sum of ranks	4	9	11	15

PHC organisation Models & Effects

Rank of presence of effect controled for vulnerability : Rank 1 > OR	Contact	Coordina	Community	Coordi	Contact	Contact
	Solo	tion	Integrated	nation	Groups	Groups
	Closed	All levels		PHC	Closed	Open
ORGANISATIONAL ACCESSIBILITY	1	2	2	2	5	6
Ease of contact	1	2	4	3	3	4
Accessibiliti in urgent situation	3	3	1	2	3	3
CONTINUITY	1	3	3	5	2	6
Relational continuity	1	5	4	2	3	6
Management continuity	1	1	1	5	1	6
Information Continuity	2	1	2	2	2	2
RESPONSIVENESS	1	1	2	2	2	6
Patient considered as a person	1	2	3	3	3	3
Time aspect	2	1	2	2	2	6
USE OF SERVICES	3	1	3	2	3	3
PHC	1	1	1	1	1	1
Specialists MS	1	1	1	1	1	1
ER	3	1	3	2	3	3
GLOBAL RANK	1	2	3	4	5	6
Sum of ranks	6	7	10	11	12	21

PHC organisation Models & Geographical areas

	Professional Contact			Professional Coordination		Community	Total
	Solo	Groups		PHC	All levels	Integrated	
	Closed	Closed	Open				
UrbCE	41%	11%	30%	6%	10%	2%	100%
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RurPE	50%	0%	15%	19%	7%	9%	100%
RurRE	24%	25%	0%	14%	28%	10%	100%
Total	38%	12%	24%	12%	10%	4%	100%

Context :

Observed – Expected ranks

	RurRE	RurPE	UrbPE	UrbCE
ORGANISATIONAL ACCESSIBILITY	0	-2	-1	-2
Ease of contact	0	-1	1	-3
Accessibiliti in urgent situation	0	-1	-2	1
CONTINUITY	2	-1	3	-5
Relational continuity	2	-1	2	-2
Management continuity	0	0	0	-2
Information Continuity	0	0	1	-1
RESPONSIVENESS	2	-3	4	-4
Patient considered as a person	2	-2	2	-2
Time aspect	0	-1	2	-2
USE OF SERVICES	0	-2	-4	-3
PHC	0	-1	-2	-2
Specialists MS	0	-2	-2	0
ER	0	1	0	-1
TOTAL DISCREPANCY	4	-8	2	-14

Sub specialty Hospitals & Observed – Expected Ranks

	Expected minus observed		
	Nb CH ultra-spécialisés		
RR Nb CH ultraspécialisés/effet sans vulnérabilité ni interaction	Aucun	1-10	11 & +
ORGANISATIONAL ACCESSIBILITY	1	1	-2
Ease of contact	1	1	-2
Accessibiliti in urgent situation	0	0	0
CONTINUITY	3	6	-2
Relational continuity	3	4	-1
Management continuity	0	1	-1
Information Continuity	0	1	0
RESPONSIVENESS	1	2	-1
Patient considered as a person	1	1	-1
Time aspect	0	1	0
UTILISATION DES SERVICES	0	-1	-1
Intensité utilisation 1ère ligne	0	-1	-1
Intensité utilisation spécialistes	0	0	0
Utilisation urgence	0	0	0
TOTAL DISCREPANCY	5	8	-6

Implications for Economic Evaluation of PHC

1. Need capture the Mix of PHC Models which populations exposed to : Limited number

- Models Performance Related to Other Models co-exist

2. Need capture main context characteristics

- Socio-demo--Geographic characteristics
- Health care resources availability
- Social cohesion

3. Focus on fit combination PHC models to context

- Not on single characteristics of Models
- Not on Models independently
- But on mix of Models in their context