

## From experience to expertise: evolution of pharmaceutical care in Canada

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# Changing pharmacy practice, an urgent matter....

- Ageing of the population
- High prevalence of chronic health problems
- Therapeutic gaps in primary care
  - -Low detection rate
  - Underuse of preventive pharmacotherapy
  - -Suboptimal pharmacotherapy:
    - Patients not on target
    - Low adherence to pharmacotherapy
- Economical constraints
- High societal impacts

# Changing pharmacy practice, an urgent matter....

### Pharmacists are

highly accessible well trained appropriately organized

## Pharmaceutical care are safe effective cost-effective

Changing pharmacy practice is a long journey into the world of organizational change....

# In this presentation

- Pharmacy in Canada
- Pharmacy in Québec
  - New legislations
  - Current pharmacy practice
- Factors leading change
  - Driving forces
    - A vision for pharmacy Information and communication technology Education and continuing professional development Pharmacy practice research
  - Constraints and obstacles
    - Remuneration Infrastructures and re-organization of work Interprofessionnel collaboration
- Conclusion



## Le

# <u>wv</u> Up

Legislative changes www.cfpnet.ca Updated october 2014	Ontario Ontario Nouveau- Brunwick Kouvelie- Ecosse													
Annual patient care plans	Μοι	hitor	and n	nanag	ge									
Medication reviews/Management	medications						✓	✓	✓	✓				
Immunization		Help patients better					✓	✓	✓	✓				
Administration of drugs by injection	manage their medical conditions					✓	✓	✓	✓					
Adaptation						✓	$\checkmark$	✓	✓	✓				
Fefusals to fill	✓	✓	✓		✓	✓	$\checkmark$		✓	✓				
Therapeutic substitutions	✓	✓				✓	✓	✓	✓					
Minor ailments		✓	✓	✓		✓	✓	✓	✓	✓				
Initial-access prescribing or to manage ongoing therapy		✓		~	✓	✓								
Pharmaceutical opinions		✓			✓	✓								
Trial prescriptions		<b>√</b>												
Smoking cessation		<b>√</b>	✓	✓	<b>√</b>	✓								
Emergency prescription refills	✓	✓	✓	✓	✓		✓	✓	✓	<ul> <li>✓</li> </ul>				

Yukon

100 Territoires du Nord-Ouest

Nunavut

# Bill 41 - Québec

- 1. Extend a prescription
- 2. Adjust a prescription
  - Form, dosage, quantity, posology
  - Diabetes, dyslipidemia, hypertension, warfarine/nicoumalone
- 3. Order and interpret laboratory tests
- 4. Prescribe a drug for a minor condition when the diagnosis is known

e.g. Allergic rhinitis, urinary infection, exzema

5. Prescribe a medication for which no diagnosis is needed

e.g. nausea/vomiting in pregnant women, malaria prevention, traveller's diarrhea

- Perform therapeutic substitution of a prescription drug in case of a supplying shortage
- 7. Administer medication to demonstrate proper use to a patient

# Bill 41 - Québec

- Entry into force: 3 septembre 2013
- Postpone entry into force: 29 août 2014
- Bill 28 now under discussion
  - -3/7 pharmaceutical acts would be remunerated:

# Bill 41 - Québec

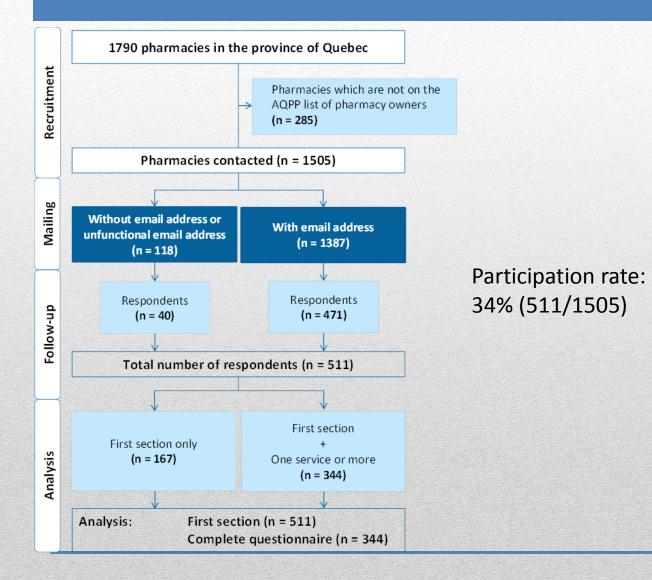
- 1. Extend a prescription
- 2. Adjust a prescription
  - Form, dosage, quantity, posology
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  - Perform therapeutic substitution of a prescription drug in case of a supplying shortage
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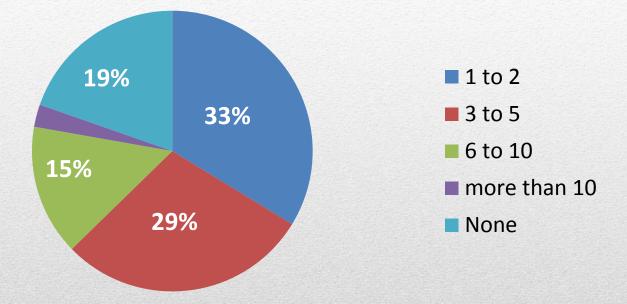
e.g. nausea/vomiting in pregnant women, malaria prevention, traveller's diarrhea

# Survey in Québec (2013)



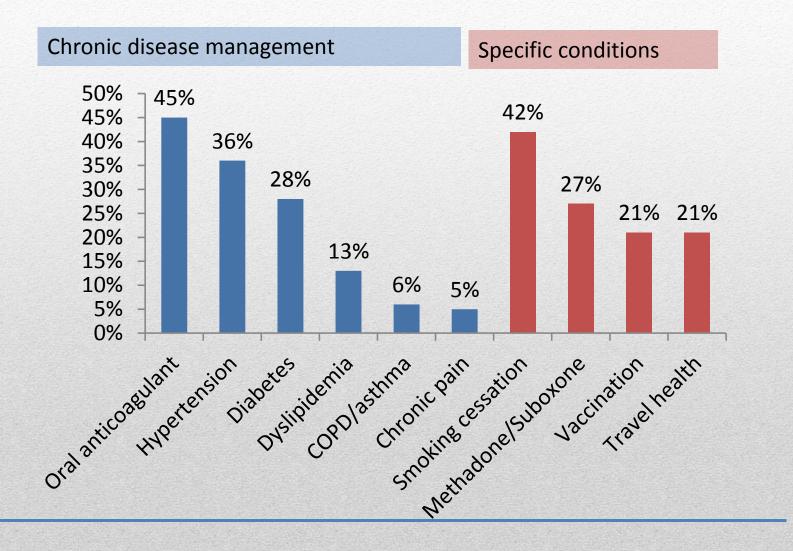
# **Clinical services**

### Number of clinical services provided in the past year?

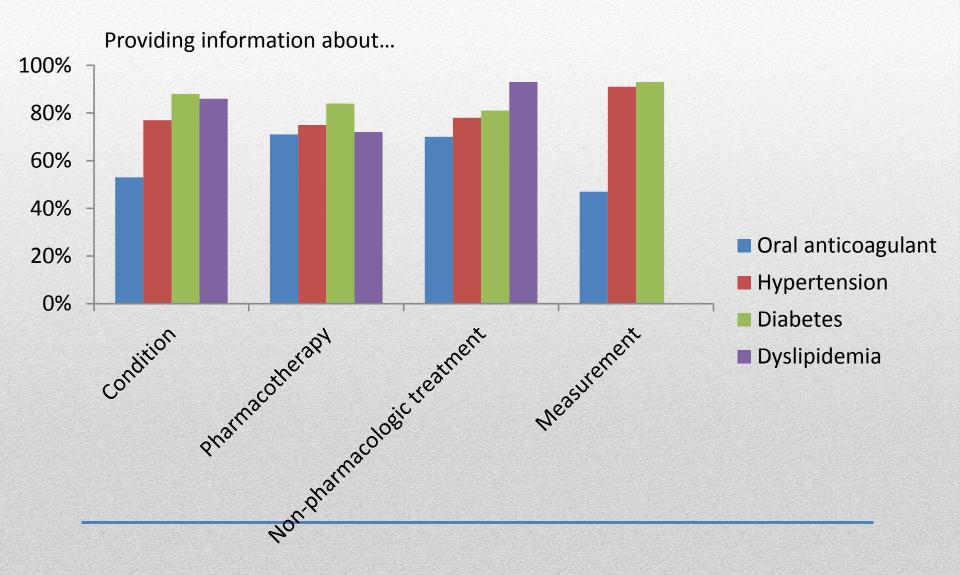


**Clinical services:** Structured and individualized programs for the management of pharmacotherapy, excluding distribution of drugs and the counselling of patients.

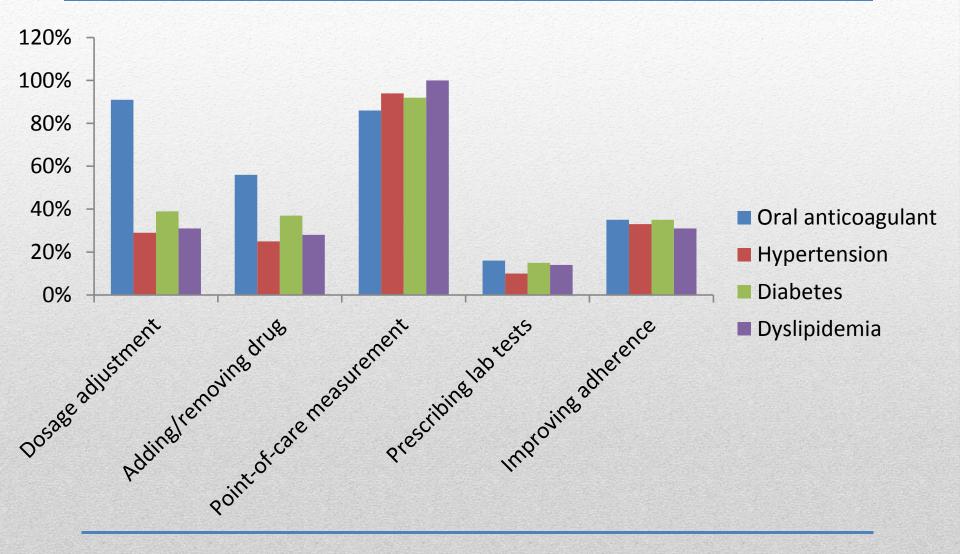
# Most prevalent services



# Description of clinical services

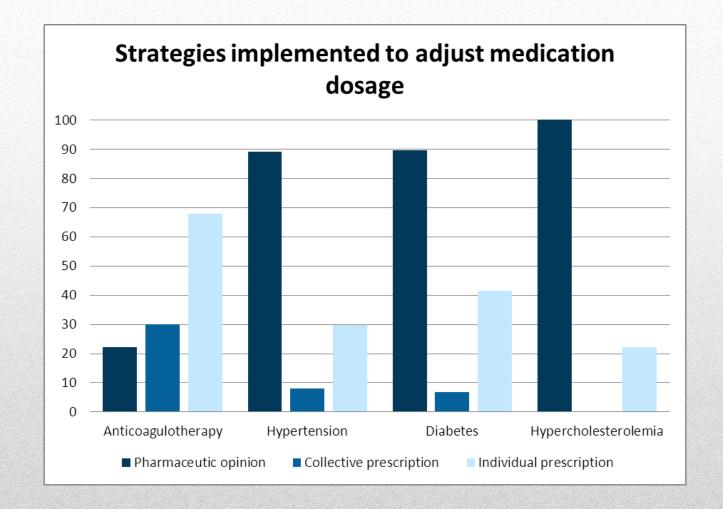


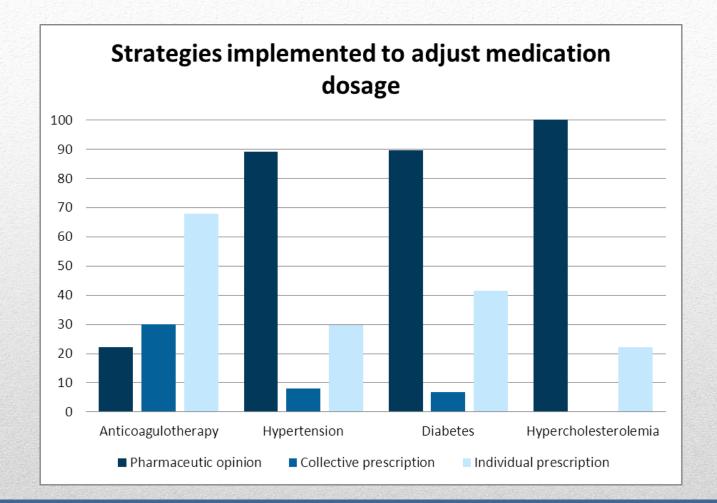
# Description of clinical services



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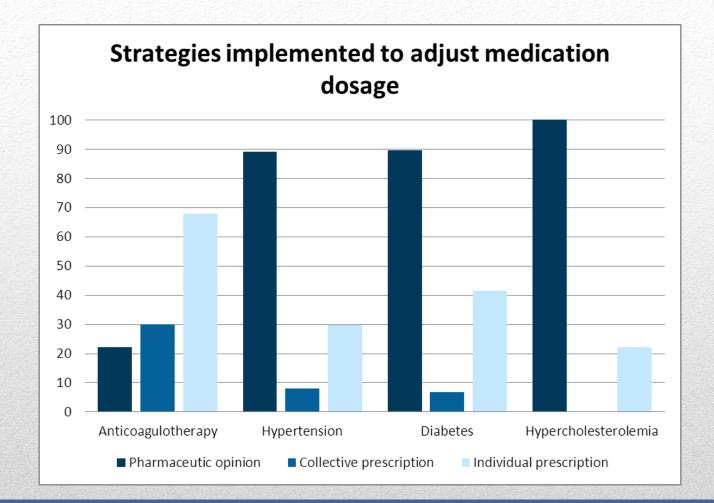
	Oral anticoagulant	Hypertension	Diabetes	Dyslipidemia
Time since initiation of service (year)	4.5	5.5	5.6	4.3
Number of patients last year (n)	22	60	54	63
Length of consultation (min): mean Initial visit Follow-up visit	20 8	17 9	25 13	23 13
Service paid by patient (yes)	47%	14%	13%	59%





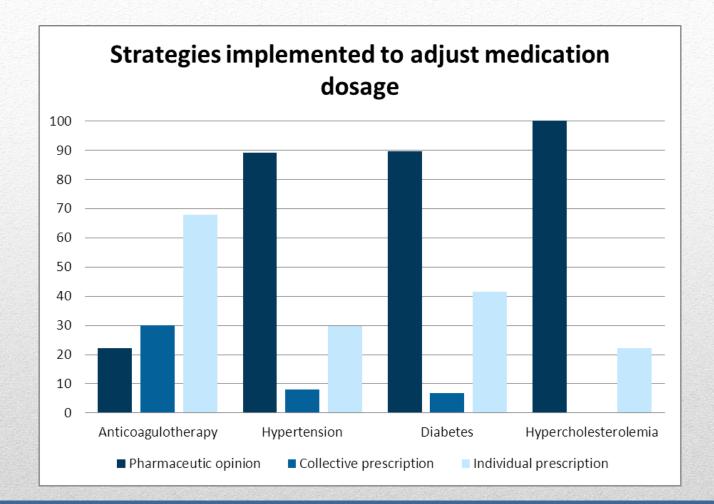
Pharmaceutical opinion:

Identification by the pharmacist of a potential drug–related problem and recommendations to the prescriber.



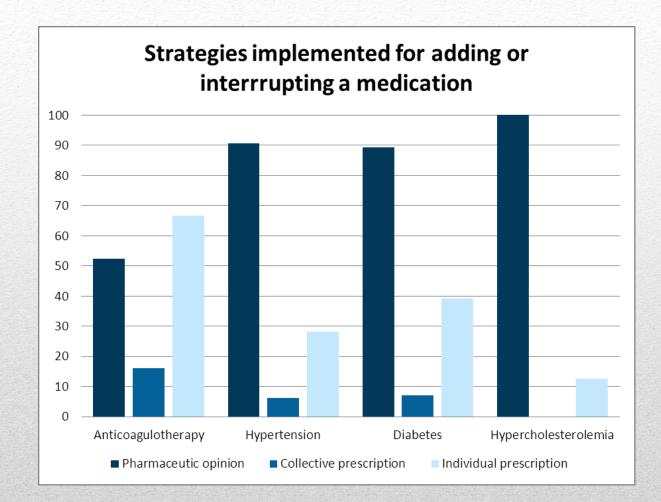
Individual prescription:

A prescription given by a physician to a pharmacist regarding the provision of pharmacotherapy to an individual and specifying the therapeutic target (e.g. maintain INR between 2 and 3)



**Collective prescription:** 

A prescription given by a physician or a group of physicians to a pharmacist regarding the provision of pharmacotherapy to a group of people in predefined clinical circumstances.

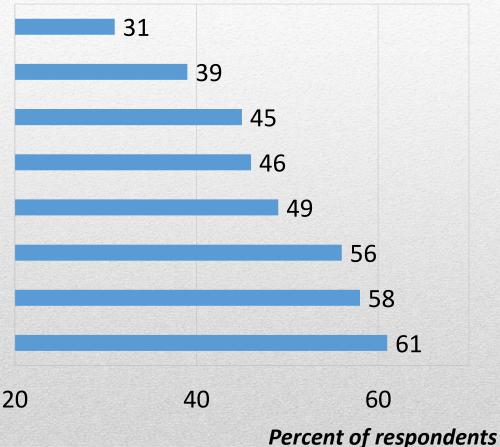


# To apply bill 41, significant change will need to happen

Leading changes in pharmacy

**Driving forces** 

## **BENEFITS OF OFFERING CLINICAL SERVICES**



Customer growth Competitiveness with pharmacies **Retainement of personal Professional duty** Meet community needs Personal satisfaction Loyalty of patients Relationship of trust with patients

# A vision for pharmacy



### The Vision for Pharmacy: Optimal drug therapy outcomes for Canadians through patient-centred care

#### About

News

Resources

Key Projects

Policy Changes by Region

Fundraising Campaign



## • • • •

#### A message from Pfizer Canada — Champion Sponsor:

"We are proud to be a founding supporter of the Biueprint for Pharmacy as we believe this initiative is critical to advance the pharmacy profession as well as to respond to the demands of health care reform to continue delivering patient-centred care,"

Allen Van der Wee, General Manager, Primary Care Business Unit at Pfizer Canada

### Resources:

- S Key Blueprint Resources
- Policy Papers and Reports
- Environmental Scans
- Student Resources
- S Tools and Education



CANADIAN PHARMACISTS ASSOCIATION ASSOCIATION DES PHARMACIENS DU CANADA

Secretariat for the Blueprint for Pharmacy National Coordinating Office



- 22/01/2015 <u>Pharmacist-led</u> <u>antibiotic adherence program</u> <u>launched in Newfoundland and</u> Labrador
- 16/01/2015 <u>Survey of Pharmacist</u> Specialization in Canada



05/2014 Environmental Scan: Pharmacy Practice Legislation and Policy Changes across Canada

03/2014 BCPhA Policy Paper – Facing the Future Together

### **Policy Changes**



Learn About Policy Changes by Region **>** 

### VISION FOR PHARMACY

Optimal drug therapy outcomes for Canadians through patient-centered care

### IN OUR VISION FOR PHARMACY

#### Pharmacists and pharmacy technicians

- practice to the full extent of their knowledge and skills, and are integral to emerging health care models.
- protect the safety, security and integrity of the drug distribution system through the enhanced role of regulated pharmacy technicians and greater automation of dispensing.
- lead the development of and participate in medication safety and quality improvement initiatives.

#### Pharmacists

- manage drug therapy in collaboration with patients, caregivers and other health care providers.
- identify medication use issues, take responsibility for drug therapy decisions and monitor outcomes.

- initiate, modify and continue drug therapy (e.g., through collaborative agreements, delegated or prescriptive authority), and order tests.
- access and document relevant patient care information in health records, including test results and treatment indications (e.g., in electronic health records).
- empower patients in decision-making about their health, and play a prominent role in health promotion, disease prevention and chronic disease management.
- conduct practice research and contribute to evidence-based health care policy and best practices in patient care.

#### Pharmacists' services

 are compensated in a manner that relates to expertise and complexity of care.



#### To realize the Vision, strategic action is needed in five key areas:

# Information and communication technology

- Drug information system
  - Dossier Santé Québec
    - Pharmacists will have access to laboratory tests results, diagnostic imaging and medications
  - Pharmacy chart
    - Appropriate documentation of clinical data and pharmaceutical care Support patient self-management Decision support tools

# Education and continuing professional development

## Doctor of Pharmacy (Pharm D)

Université de Montréal

Université Laval

University of Waterloo

University of Toronto

## Innovative CE programs to support practice changes

Conventional CE programs are insufficient to induce practice changes

Pharmacists need to be supported when implementing new practices



A Cluster Randomised Controlled Trial to Evaluate an Ambulatory Primary Care Management Program for Patients with Dyslipidemia: TEAM Study

### **Chercheurs :**

Lyne Lalonde, Diane Lamarre, Marie-Claude Vanier, Lucie Blais, Sylvie Perreault, Julie Villeneuve

Faculté de pharmacie, Université de Montréal

Marie-Thérèse Lussier, Éveline Hudon Département de médecine familiale, Université de Montréal

### **Jacques Genest**

Faculté de médecine, Université McGill

#### **Marc Fredette**

HEC, Université de Montréal

### **Appuis:**

- Ordre des pharmaciens du Québec
- Association québécoise des pharmaciens propriétaires
- Collège des médecins du Québec
- Collège québécois des médecins de famille

Financement Instituts de recherche en santé du Canada Subventions sans contrainte de AstraZeneca Canada Inc., Merck Frosst Canada Ltd. Pfizer Canada Inc.

# Pharmaceutical care with dosage adjustment of statin treatment

Pharmacists were responsible for requesting appropriate laboratory tests and initiating and adjusting statin treatment





## **Training program**

2 day-training
 Clinical guide
 Clinical tools
 Constant support of the research team

Programme de formation et de liaison en néphrologie

### Néphrologues:

Louise Corneille Louis Prudhomme Nathalie Langlois Martine Leblanc Michel Vallée

### Pharmaciens, néphrologie:

Robert Bell Alain Bergeron Valérie Clément Marie-Ève Legris Sara Letendre Anne Lord Marie Mouchbahani Nadine Tadros

### **Pharmacienne communautaire:** Diane Lamarre

**Chercheurs:** Lisa Dolovich Janusz Kaczorowski

### **Chercheure principale:** Lyne Lalonde



Evaluating the impact of a training and communication network program in nephrology to facilitate the detection and management of drug-related problems by community pharmacists: a multicentre cluster randomized controlled trial

Instituts de recherche en santé du Canada

# **PRoFil Program**

Nephrology Training-and-communication Program for community pharmacists



## **Training Program**

- Web-based training
- Clinical guide

## **Communication Program**

- Clinical summary
- Discussion Forum
- Consultation service with pharmacists in nephrology

# Pharmacy practice research

- Improvement in the quality and number of research projects
- Practice-based research network

## Practice-based research network

'A group of ambulatory practices devoted principally to the primary care of patients and affiliated in their mission to investigate questions related to community-based practice and to improve the quality of primary care'.

Agency for Healthcare Research and quality (AHRQ)





Soutien Technologique pour l'Application et le Transfert des pratiques novatrices en pharmacie

## WHAT IS THE STAT NETWORK?

- The first network and research infrastructure for community pharmacy
- Support the development, evaluation, and large-scale implementation of innovative, patient-centered, effective and economically sustainable clinical practices
- Facilitate the creation of communities of practice and partnership involving community pharmacists, other primary care actors, academia, and decision makers



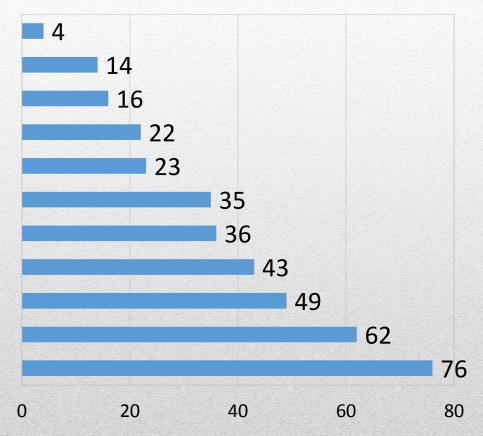
## THE STAT NETWORK



# Leading changes in pharmacy

## **Constraints and obstacles**

## **BARRIERS TO THE IMPLEMENTATION**



Others Lack of interest and motivation Insufficient training Reluctance of other health professionnals Lack of clinical tools Shortage of qualified pharmacy technicians Lack of space Difficulty accessing lab test results Shortage of pharmacists Inadequate remuneration Lack of time

Percent of respondents

## **BARRIERS TO BILLING CLINICAL SERVICES**

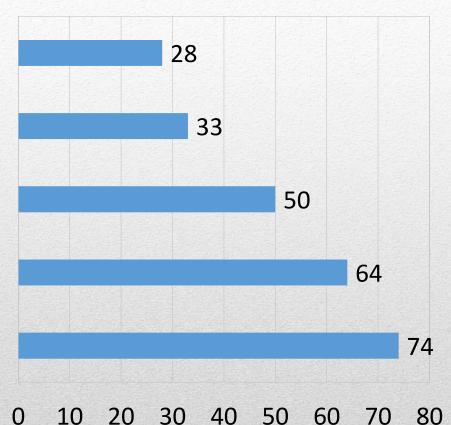
Unconfortable with billing

Unfair (low economic level)

Similar services offered free of charge

Not covered by health insurance

Patients are reluctant to pay



Percent of respondents

## Appropriate remuneration

- Remuneration taking into account the range of services offered in community pharmacy
- In Quebec, 3 out of 7 new services could be paid
- In many Canadian provinces, government provides remuneration for specific services

## Infrastructures and re-organization of work

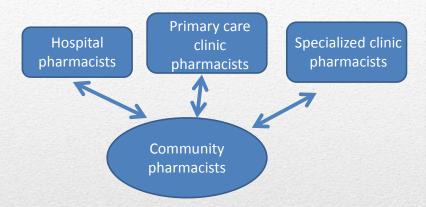
From dispensing to provision of clinical services....

- Most pharmacies have a private office
- Accreditation process for pharmacy technicians in Canada



# Collaboration

- Intra-professional collaboration
- Inter-professional collaboration
  - Lack of proximity
  - Large number of pharmacists
  - No tradition



# Conclusion

 Pharmacy practice has changed and will continue to change in the next decade



• Change goes through a series of phases that usually require a considerable lenght of time

John P. Kotter. Harvard Business Review 1995; reprint number 95204

# Conclusion

- 1. Establish a sense of urgency
- 2. Form a powerful guiding coalition
- 3. Create a vision for pharmacy practice
- 4. Communicate the vision
- 5. Remove obstacles to the new vision
- 6. Plan for and create some short-term wins
- 7. Consolidate improvements and produce more change
- 8. Institutionalize new approaches

RT Tsuyuki and TJ Schindel. Leading change in pharmacy practice: fully engaging pharmacists in patient-oriented healthcare