

**RENCONTRE SCIENTIFIQUE**  
**SCIENTIFIC SESSION**

**Réunion du groupe AMI-QUÉBEC Group Meeting**

**VENDREDI, LE 1 OCTOBRE 2010**

**FRIDAY, OCTOBER 1, 2010**

**RISTORANTE BICE**

1504, rue Sherbrooke O. • Montreal (Québec) H3G 1L3  
(514) 937-6009



RÉSEAU UNIVERSITAIRE  
INTÉGRÉ DE SANTÉ



**IM♥Québec**

**Comité de Cardiologie Tertiaire, RUIS U. de Montréal**

**RUIS U. McGill**

**RUIS U. de Sherbrooke**

**RUIS U. Laval**

Erick Schampaert, M.D.

# IM♥Québec

## Introduction

IM♥Québec is a quality medical care evaluation project, using a prospective online database, providing “real-time ” analytic feedback to providers, in order to optimize care

## Population

ALL STEMI

- Identified by ECG (E.R., Pre-hospital EMS)
- Regardless of reperfusion (or lack of) or outcome

## Hypothesis

A structured network, involving all care providers, will provide optimal care for STEMI

## Primary Objectives

- Facilitate the establishment of a structured network
- Minimize reperfusion delays, according to RQCT

## Hypothesis

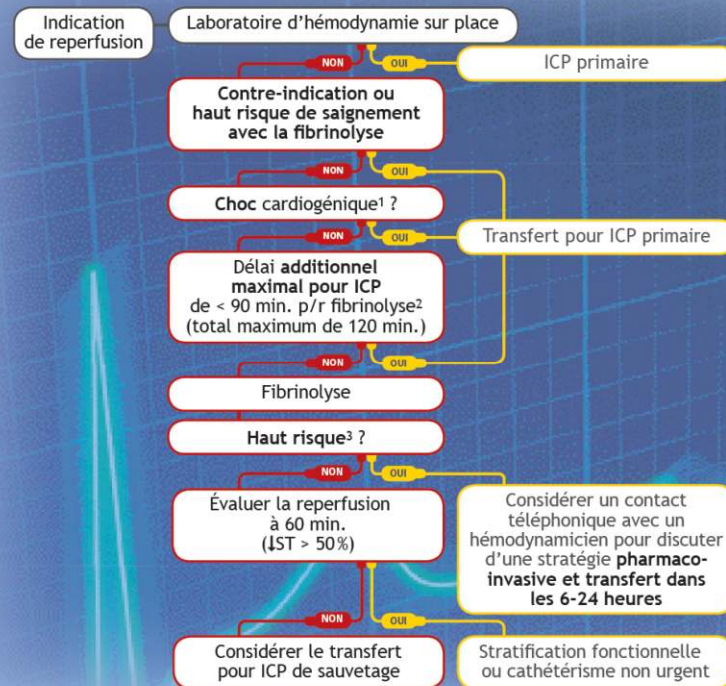
A structured network, inv...  
provide optimal care fo...

## Primary Objectives

- Facilitate the establ...
- Minimize reperfusio...

### Algorithme pour le traitement de l'infarctus aigu du myocarde avec élévation du segment ST (IAMEST)

Favoriser l'orientation directe du patient vers un laboratoire d'hémodynamie si le temps de transport est  $\leq 60$  minutes



1. Considérer une fibrinolyse avant transfert si délai attendu > 120 min.
2. Considérer la fibrinolyse si durée des symptômes < 2h. et délai additionnel pour ICP primaire > 60 min. Un transfert vers un centre tertiaire est recommandé. La reperfusion doit être évaluée dans le centre tertiaire. Si non-reperfusion, une angioplastie de sauvetage est recommandée. Si reperfusion, le cathétérisme peut être reporté au cours des prochaines heures.
3. IAMEST antérieur ou IAMEST non antérieur avec instabilité hémodynamique et/ou tachycardie et/ou défaillance et/ou infarctus du cœur droit et/ou sous-décalages ST-T étendus dans les dérivations précordiales.

Élaboré par le Réseau québécois de cardiologie tertiaire (RQCT)

RQCT

Santé et Services sociaux Québec

## Hypothesis

A structured network, involving all care providers, will provide optimal care for STEMI

## Primary Objectives

- Facilitate the establishment of a structured network
- Minimize reperfusion delays, according to RQCT
- Optimize STEMI clinical outcomes

## Historical Perspective

ETAIMEST : November 2008: Suboptimal reperfusion delays

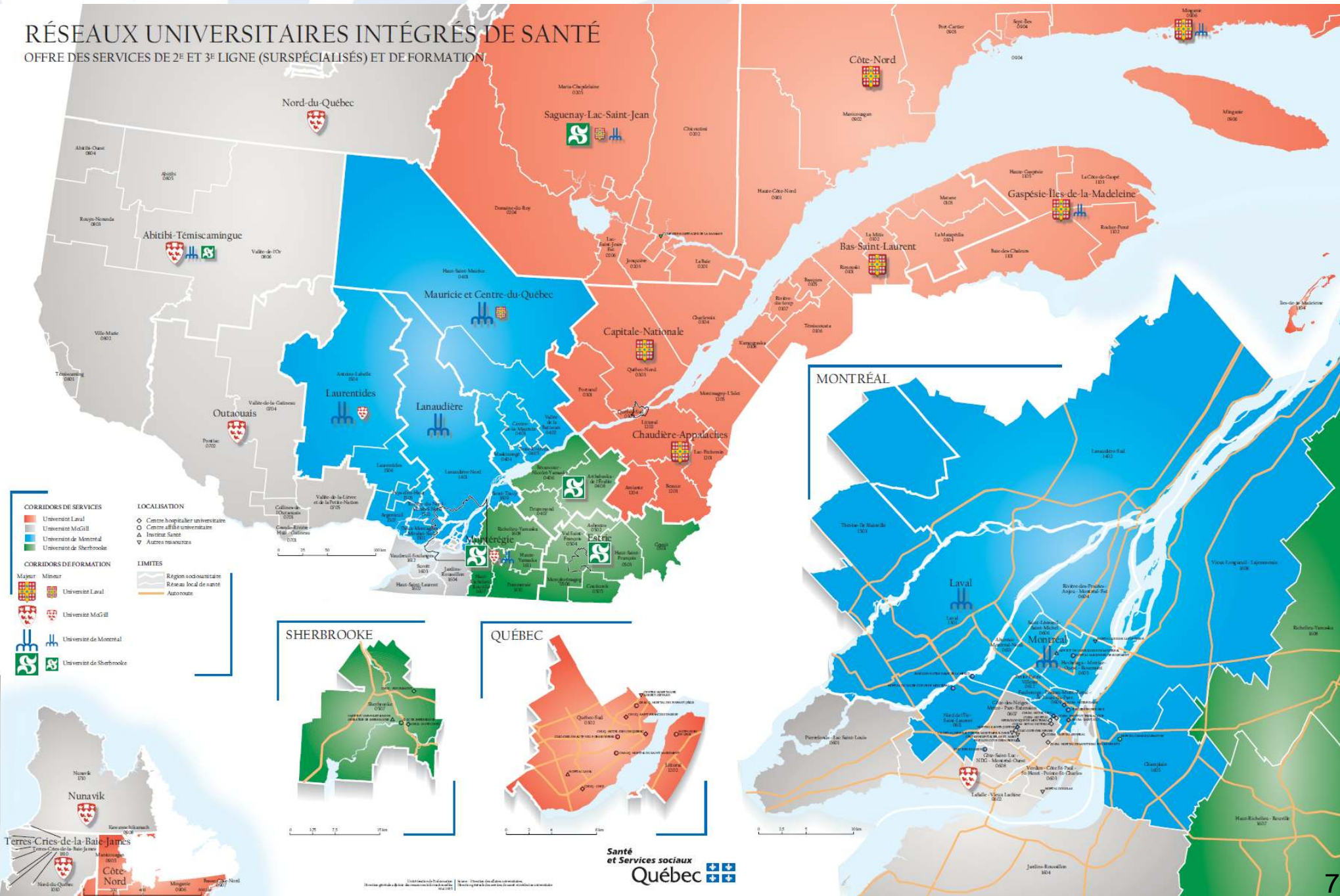
Comité de Cardiologie Tertiaire U. de M. (CCTRUM):  
Jan. 2009: RUIS U. de M. : Priority (Busilacchi, Rouleau)

CCTRUM - AMI-Québec – MHICC (ARO): Fall 2009

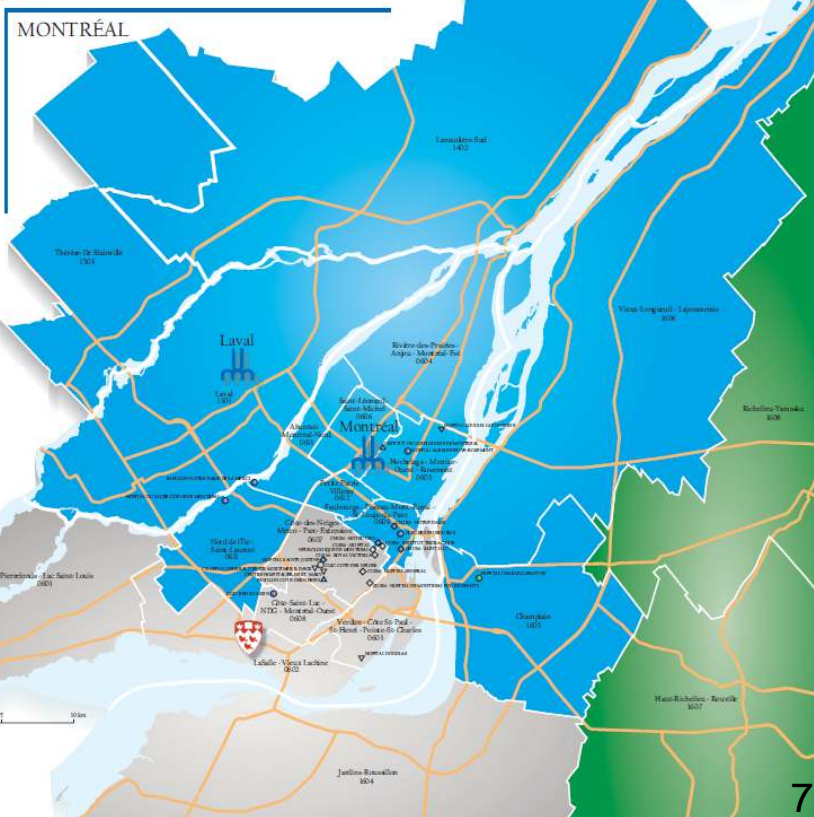
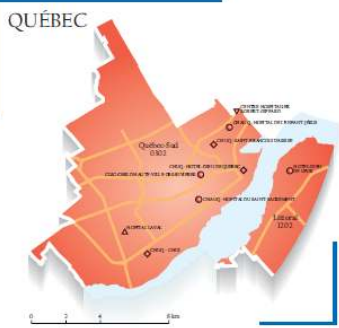
Single Database (IM♥Québec, AMI OnTime (Primary PCI):

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  - Autres ressources
- LIMITES**
- Région socio-administrative
  - Réseau local de santé
  - Autoute



## Provincial collaboration:

- RUIS U. de Montréal
- AMI-Québec: Dr. Huynh
- RUIS U. de McGill: Drs. Huynh, Genest and Ms. Lynch
- RUIS U. de Sherbrooke: Dr. Nguyen
- RUIS U. de Laval: Drs. DeLarochelière, Rinfret et Dery
- Academic Research Organization: MHICC: Dr. Tardif



# ARO: MHICC

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crc3

Home | Help | Logout

- Enroll
- Patients
- Queries
- Signatures
- Documents
- Admin
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Find Patient:

Go

# WELCOME

## IAMEST and AMI ON-TIME

by

*RUIS du Québec and AMI Québec*



Centre de Coordination  
Institut de Cardiologie de Montréal



Systeme InForm  
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Time and Events Schedule

Highlight:  Started  Incomplete  Queries  Frozen  Locked

| Assessment  | CRF        | Demography | Pre-Hospitalization | Hospitalization | Follow-up 1 year | Follow-up 3 years | Follow-up 5 |
|---|------------|------------|---------------------|-----------------|------------------|-------------------|-------------|
| Demography  | DEM        |            |                     |                 |                  |                   |             |
| Pre Hospital Data   | PHDELAY    |            |                     |                 |                  |                   |             |
| Pre-Hospital Intervention                                 | PREINTERV  |            |                     |                 |                  |                   |             |
| Triage  | SYMPTRI    |            |                     |                 |                  |                   |             |
| Medical History   | MH         |            |                     |                 |                  |                   |             |
| Fibrinolytic Therapy                                      | FT         |            |                     |                 |                  |                   |             |
| Charact Cor Intervention                                  | CCI        |            |                     |                 |                  |                   |             |
| Adjuvant Medication                                       | ADJMED     |            |                     |                 |                  |                   |             |
| In-Hospital Complications                                 | HC         |            |                     |                 |                  |                   |             |
| Weight Height Lab Results                                 | WHLAB      |            |                     |                 |                  |                   |             |
| Discharge Details   | DM         |            |                     |                 |                  |                   |             |
| Calculation of all Delays (Auto-Filled/Uneditable fields) | CALCULS    |            |                     |                 |                  |                   |             |
| Patient Status  | PATSTATFUP |            |                     |                 |                  |                   |             |
| Patient Status  | PATSTAT    |            |                     |                 |                  |                   |             |

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- Enroll
- Patients
- Queries
- Signatures
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# IM♥Québec: Sous-comité CCTRUM

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# IM♥Québec: Sous-comité CCTRUM

## September 2010

### **Presentations, Training and Support to the 6 Agences and their institutions of U. de M.:**

- 1-2 Project presentations visits, per Agence
- Training and Support visits:
  - Agence Montréal : 17 et 23 février 2010
  - Agence Laurentides : 07 avril 2010
  - Agence Laval: 14 juin 2010
  - Agence Lanaudière : 08 février, 25 mars et 3 août 2010
  - Agence Montérégie: 12 mai et 02 juin 2010
  - Agence Mauricie, Centre du Québec : 14 déc. 2009, Sept 2010

Including all regional EMS

# IM♥Québec: Sous-comité CCTRUM

## September 2010

### Direct Impact:

- Individual Local STEMI team:
  - Assessment and optimization of current strategies
  - Baseline and CME
  - EMS network
  - STEMI registry and monitoring: Data entry
- Regional STEMI team: Mauricie, Montérégie

# IM♥Québec: Sous-comité CCTRUM

## September 2010

**Database initiation: May 26, 2010**

September 26: **670 IM♥Québec patients** (2000 pts/Y, 50% all STEMI)

**42 institutions in 6 Agences RUIS U. de M.:**

- 28 institutions RUIS U. de M.
- 11 institutions RUIS U. de M. – RUIS McGill  
(Montréal et Montérégie)
- 3 institutions RUIS U. de M. – RUIS Sherbrooke  
(Mauricie et Montérégie)

# IM♥Québec: Sous-comité CCTRUM

## September 2010

**Database initiation: May 26, 2010**

September 26: AMI-OnTime: 352 patients (288 IM♥Québec pts)

13 institutions w Cath. Lab., providing PPCI:

- 6 institutions (RUIS U. de Montréal): 228 patients
- 2 institutions (RUIS U. McGill): 60 patients
- 2 institutions (RUIS U. Laval): 64 patients
- 1 institutions RUIS Sherbrooke
- 1 institutions RUIS McGill : Hull
- 1 institutions RUIS Laval: Chicoutimi



# IM♥Québec: Sous-comité CCTRUM

## September 2010

### Exclusions:

36/734 patients: **4.9%**

### Exclusion:

- Non STEMI
- C.P. > 12 hrs
- Péricarditis
- Test patient into the active database

Local STEMI Registry: E.R. + Archives

# IM♥Québec: Sous-comité CCTRUM

## September 2010

### Statistiques:

#### EMS:

56% completed CRF  
0.8% correction request

#### In-Hospital:

60% completed CRF  
0.6% correction request

# IM♥Québec: Sous-comité CCTRUM

## September 2010

### Live Periodical Feedback: Online institutional access:

September: institutional preliminary reports

October: more robust analyses, reperfusion delays

November: regional reports, including EMS

Institutions w Cath. Lab.: 2 reports

- Local
- Referring centres

# IM♥Québec: Sous-comité CCTRUM

## Short Term Objectives:

- Web-Conference: RQCT recommendations : Oct. 20, 2010
- IM♥Québec at CCC 2010, Montréal
- RQCT presentation: annual meeting, Nov. 3, 2010

## **IM♥Québec: Mid-Term Objectives:**

- Representative committee: Fall 2010
- Remaining RUIS McGill institutions: Winter 2011
- Remaining RUIS Sherbrooke institutions: Winter 2011
- Random monitoring: Winter 2011
- Database collection amendment: Spring 2011

# IM♥Québec: Mid-Term Objectives:

Complete Quebec adoption:

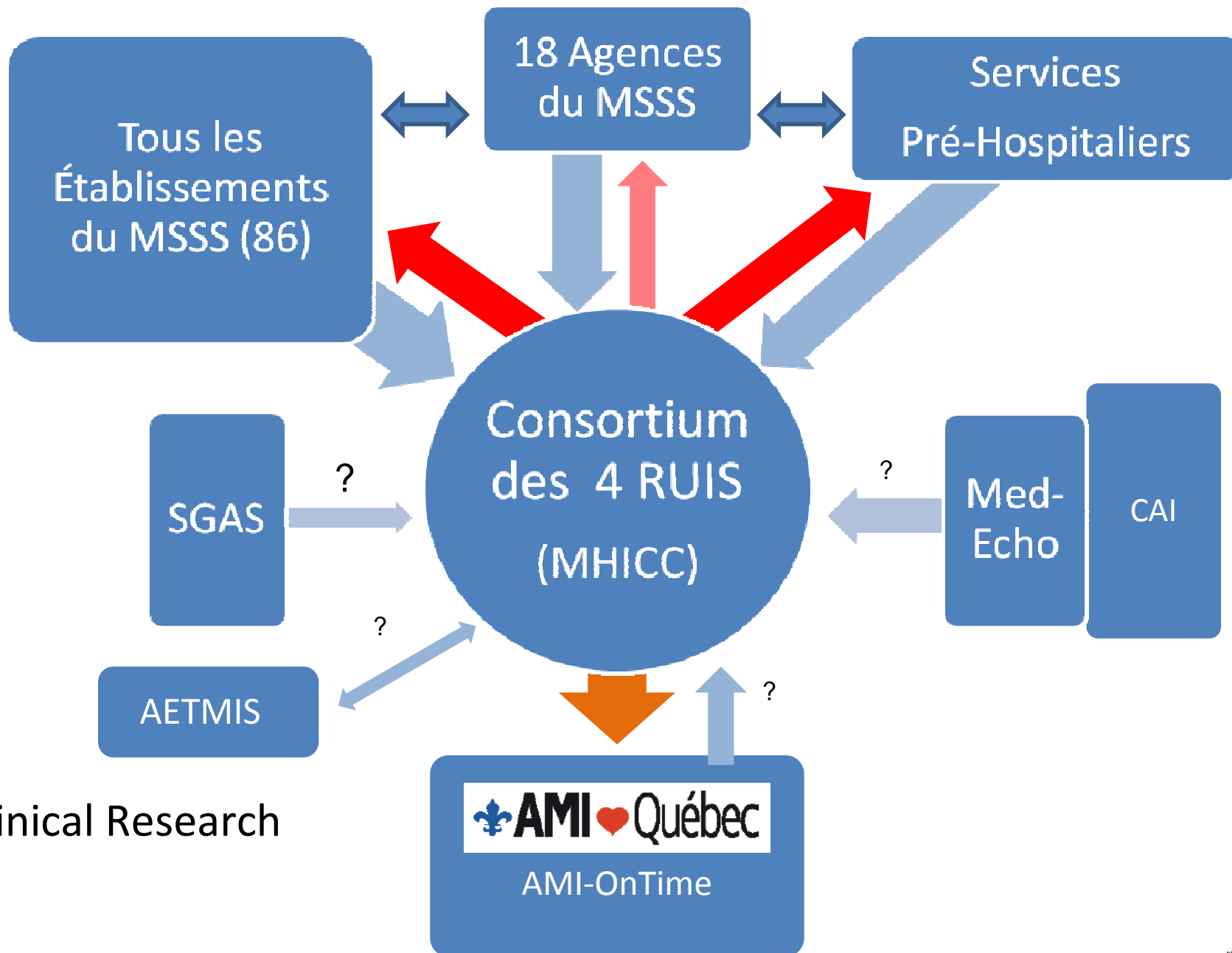
**All 4 RUIS**

EMS

**Obtain MSSS financial and structural  
long-term support**

# IM♥Québec

Quality Medical Care Evaluation



Clinical Research