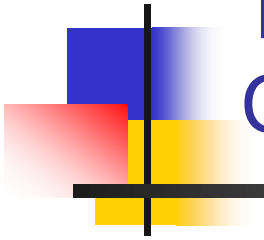


Overview of IMECCHI:

The International Methodology Consortium for
Coded Health Information





Overview

- What we study
- Why we study it
- Our history
- Our agenda
- Our partnerships



Administrative health data

- Many types
 - Hospital discharge data
 - Physician claims data
 - Pharmacy claims data
 - Hospital equipment purchasing data
 - Costing records
 - etc.
- Widely used in health research and surveillance
- Clinical information typically coded using established coding systems (e.g., ICD-9, ICD-9-CM, ICD-10, and various procedure coding systems)
- Data generated locally, and often stored nationally

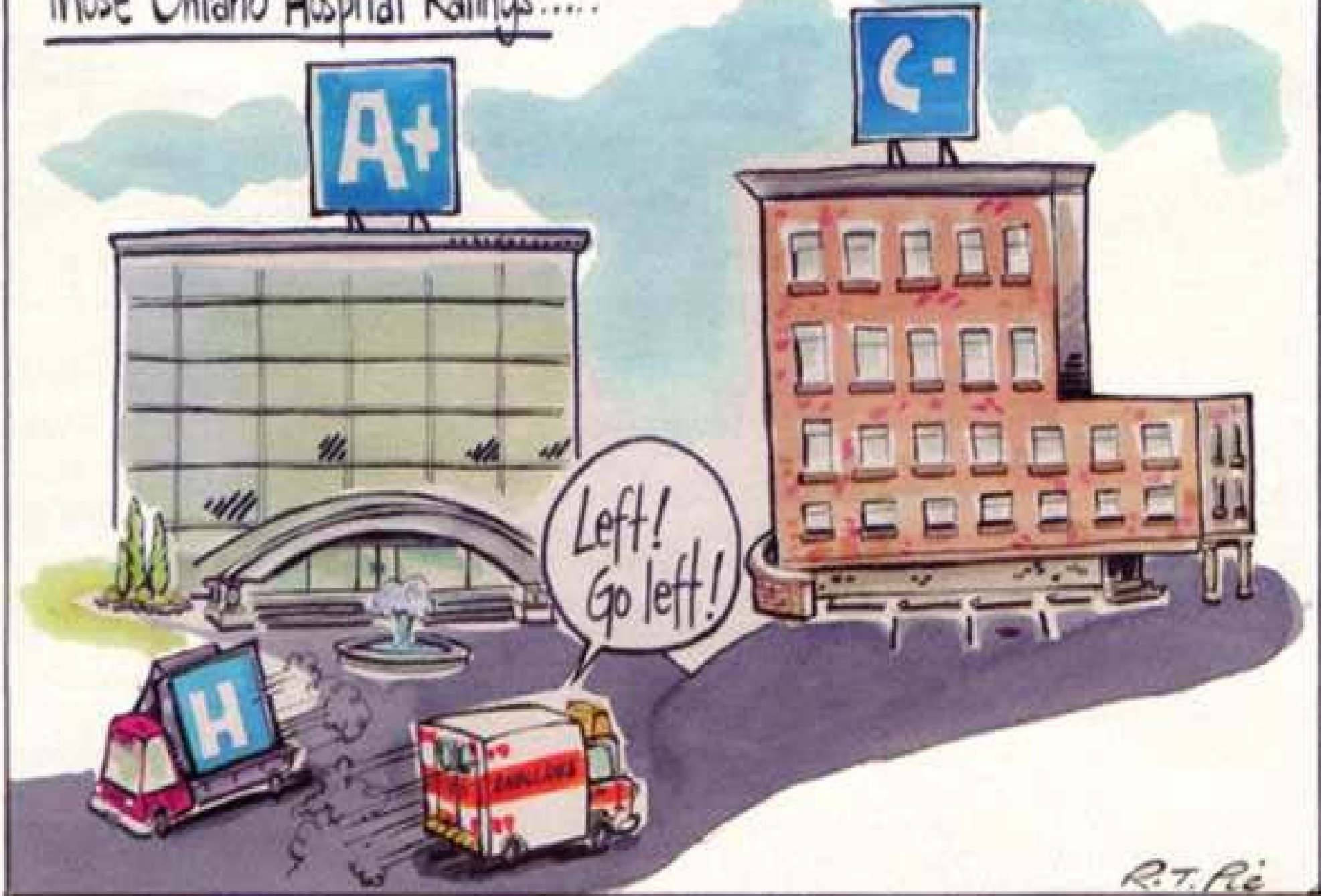


Administrative Health Data

- Uses

- Basis for health system financing and accounting
- Tracking utilization (and forecasting need)
- Health services and population health:
 - Disease surveillance
 - Studying quality of care (outcomes, effectiveness, efficiency, appropriateness)

Those Ontario Hospital Ratings.....



R.T. Pe



Methodological Work of Group Members

- Development of ICD-9, ICD-9-CM, and ICD-10 coding algorithms for defining clinical conditions
- Validity of coded diagnoses
- Validity of coded procedures
- Use of diagnosis-type indicators
- Development of 'patient safety indicators' for surveillance of adverse events



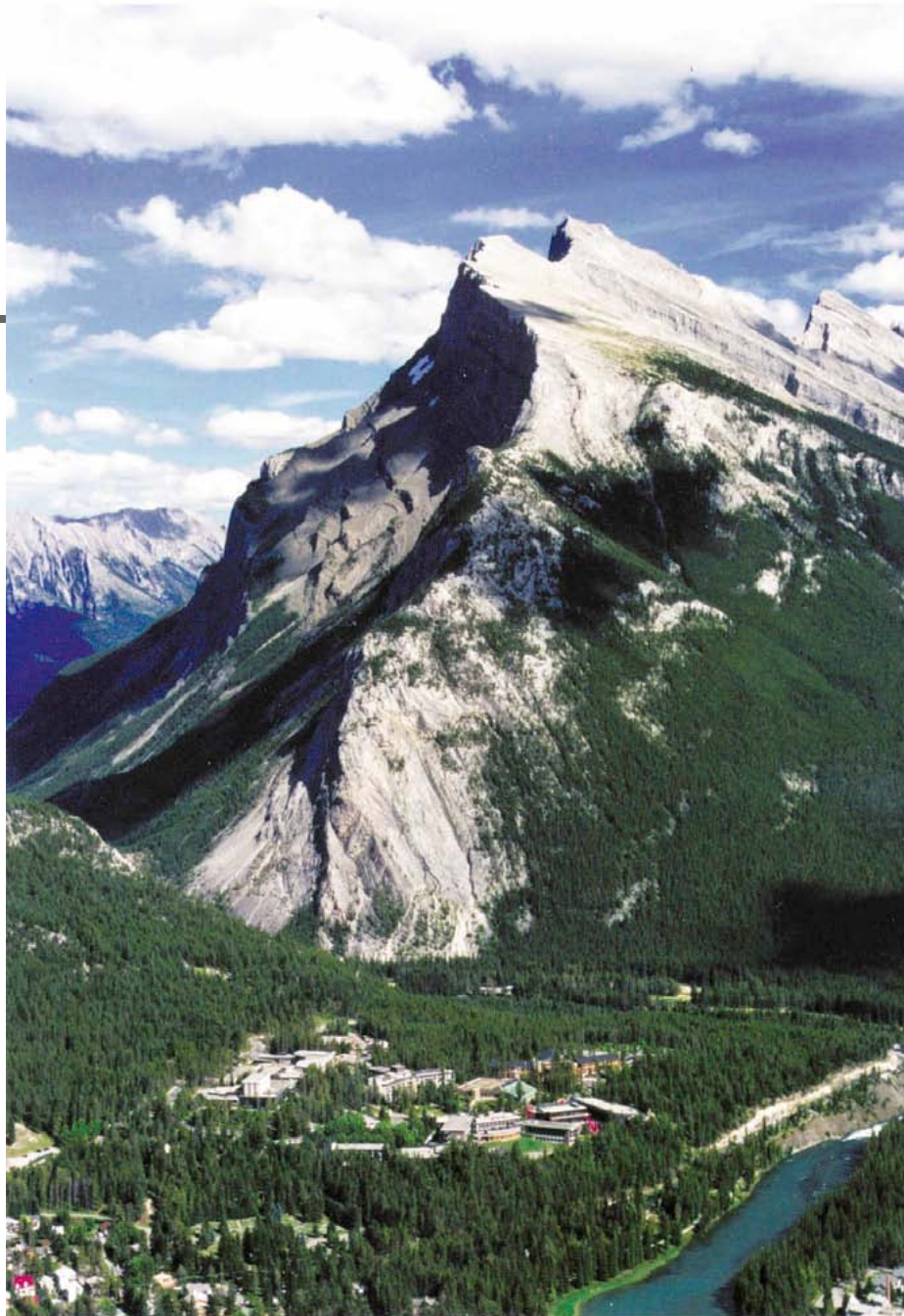
International collaboration

- Many advantages
 - Consensus on methodologies
 - Access to regional networks and resources
 - International comparisons
 - Harmonization of strategies
 - Potential bridging of national and international agendas
 - Opportunity for linkages with WHO, OECD



International Working Group

- Initial collaboration between members in Australia and Canada - ICD translation
- Subsequent involvement from Switzerland
- Working group meeting funded by Canadian Institutes of Health Research



The Banff Centre, Signature Shot
Photo: Scott Rowed



Banff 2005

- First face to face meeting of group
- Collaboration expanded from 3 countries to also include USA, China, and the UK
- Dialogue surrounding ongoing research on mapping of clinical definitions for administrative data
- Semi-formal process undertaken to identify research priorities
- Conclusions documented in a summary communication (BMC Health Services Research)

Correspondence

Open Access

Identifying priorities in methodological research using ICD-9-CM and ICD-10 administrative data: report from an international consortium

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Research Priorities Identified

Table 1: Ranking of research areas in order of importance for administrative data research

Project	Mean score	Number of raters	Priority Rank
Meta-Data documentation	8.4	10	1
Patient safety indicators translation	8.0	10	2
Internal consistency algorithms	7.0	10	3
Interventional studies to enhance coding quality	6.9	10	4
"True" gold standard	6.8	10	5
Travelling coders for comparative recoding	6.8	9	5
Training standards for health records coders	6.4	10	7
International comparisons of predictive model performance (C-statistic)	6.2	10	8
Value of diagnosis-type coding	6.0	9	9
Chart-Database comparison studies	5.9	10	10
International cross-validation of ICD-10 coding algorithms	5.8	10	11
International scan of privacy considerations	5.6	10	12
Learning curve in ICD-10 uptake	5.0	10	13



Research Priorities

Some examples...

- International meta-data documentation
- ICD-9 to 10 translation of PSI's
- Implementation and evaluation of diagnosis-type indicators
- Documentation of health system coding standards and training programs
- International development and validation of internal consistency systems for data validity





Second Meeting – 2006

Montreux, Switzerland

- Refinement of research agenda
- Identification of core initiatives
 - Patient safety indicators
 - International meta-data project
- Development of Terms of Reference and official name
- “IMECCHI”

IMECCHI - International Methodology Consortium for Coded Health Information

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IMECCHI



:: OUR VISION ::
Optimal methodologies for deriving knowledge and wisdom from health data.

To develop, test and promote methodological advances for the applied use of coded health information

IMECCHI is an international collaboration of health services researchers who aim to promote the methodological development and use of coded health information to promote quality of care and quality health policy decisions. The main focus of the Consortium is on methodological developments.

Our Objectives

1. To collaborate internationally on methodological developments applied to coded health information.
2. To collaborate on applying appropriate methods to coded health

Structure of the Consortium

IMECCHI is an informal organisation of individuals interested in methodological developments in the use of routinely collected health information to promote quality of care and of health policy decisions. As such

Our History

IMECCHI is an international collaboration that started from several bilateral and then multi-site collaborative work between health services researchers working with coded health information. Initially, W Ghali and H Quan

Note: IMECCHI New Website is still under construction !!

Although we will frequently update the contents of the website, it is still under development until we announce an official launch. Please note all the contents in the website are not official yet; if you need any information, please contact the organization directly.

Recent Events

- The 3rd annual IMECCHI meeting will be held on May 12th - 13rd 2008, at Fairmont Palliser Hotel (in Canada Pacific)

Networking and Knowledge Translation



- Important linkages to the WHO – Family of Classifications Network
- CIHI
- OECD - Patient safety indicators working group
- Other groups



IMECCHI meetings...

- Calgary 2008
- Vancouver 2009
- Toronto 2010
 - Moving forward
 - Core initiatives
 - PSIs
 - Meta-data
 - New initiatives
 - Knowledge translation



IMECCHI Vision

- Optimal methodologies for deriving knowledge and wisdom from health data



Leadership team

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