IN Volving Decision-Makers in Guidelines Research: A Case Study

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Diagnostic Imaging Referral Guidelines
A guide for physicians

First Edition
2005

Lignes directrices pour les examens d'imagerie diagnostique

Première édition
2005
IMAGING UTILIZATION

10-20% of imaging studies are unnecessary

“We know that up to a third of radiological examinations are totally or partially inappropriate.”

UNNECESSARY IMAGING UTILIZATION

- Cost
- Wait times
- Radiation
COMPUTERIZED ORDER ENTRY SYSTEM
WITH DECISION SUPPORT
Demonstration Projects
# RESULTS

<table>
<thead>
<tr>
<th>Project</th>
<th>Total orders</th>
<th>Inappropriate orders</th>
<th>Advice accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA</td>
<td>8757</td>
<td>957 (10.9%)</td>
<td>19 (1.9%)</td>
</tr>
<tr>
<td>IB</td>
<td>5161</td>
<td>708 (13.7%)</td>
<td>150 (21.2%)</td>
</tr>
<tr>
<td>II</td>
<td>478</td>
<td>50 (10.5%)</td>
<td>11 (22%)</td>
</tr>
</tbody>
</table>
PILOT PROJECTS

- Manitoba
- Nova Scotia
- Saskatchewan
Partnerships for Health System Improvement (PHSI)

CIHR’s Partnerships for Health System Improvement (PHSI) program supports teams of researchers and decision makers interested in conducting applied and policy-relevant health systems and services research that responds to the needs of health care decision makers and strengthens the Canadian health system.
With PHSI, you can make a difference. Research is more likely to be used in policy and practice when researchers work hand-in-hand with decision makers.
Translating Imaging Guidelines into Action: Validity and Usability of a Computerized Decision Support System.

Objectives

1. Comparative quantitative study
2. Comparative qualitative study
   a. Barriers
   b. Facilitators
3. Validation of software logic engine
INVOLVEMENT OF DECISION-MAKERS

1. Permission to collect data
   a. Quantitative data
   b. Qualitative data
IN Volvement OF DECISION-Makers

2. Project Design
   ➢ Co-investigator from each province
INVolvement OF DECISION-MAKERS

3. Research Team
   a. Representatives of primary sites
   b. Other decision-makers
      - Ontario
      - Quebec
      - Canada Health
      - Infoway
Translating Imaging Guidelines into Action: Validity and Usability of a Computerized Decision Support System.

Your recent application for support submitted to the Partnerships for Health System Improvement (PHSI) Competition, entitled "Translating Imaging Guidelines into Action: Validity and Usability of a Computerized Decision Support System" has been considered by the Canadian Institutes of Health Research (CIHR). Unfortunately, your application was not approved for funding.