Influence of societal and practice contexts on health professionals’ clinical reasoning: a scoping study protocol

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ABSTRACT

Introduction: In a context of constrained resources, the efficacy of interventions is a pivotal aim of healthcare systems worldwide. Efficacy of healthcare interventions is highly compromised if clinical reasoning (CR), the process that practitioners use to plan, direct, perform and reflect on client care, is not optimal. The CR process of health professionals is influenced by the institutional dimension (ie, legal, regulatory, administrative and organisational aspects) of their societal and practice contexts. Although several studies have been conducted with respect to the institutional dimension influencing health professionals’ CR, no clear integration of their results is yet available. The aim of this study is to synthesise and disseminate current knowledge on the influence of the institutional dimension of contexts on health professionals’ CR.

Methods and analysis: A scoping study of the scientific literature from January 1980 to March 2013 will be undertaken to summarise and disseminate research findings about the influence of the institutional dimension on CR. Numerous databases (n=18) from three relevant fields (healthcare, health law and politics and management) will be searched. Extended search strategies will include the manual search of bibliographies, health-related websites, public registries and journals of interest. Data will be collected and analysed using a thematic chart and content analysis. A systematic multidisciplinary team approach will allow optimal identification of relevant studies, as well as effective and valid content analysis and dissemination of the results.

Discussion: This scoping study will provide a rigorous, accurate and up-to-date synthesis of existing knowledge regarding: (1) those aspects of the institutional dimension of health professionals’ societal and practice contexts that impact their CR and (2) how these aspects influence health professionals’ CR. Through the synergy of a multidisciplinary research team from a wide range of expertise, clinical pertinence and an exhaustive dissemination of results to knowledge-users will be ensured.

INTRODUCTION

In a context of constrained human and financial resources,1 the efficacy and effectiveness of interventions have become pivotal aims of contemporary healthcare systems worldwide.2 Indeed, effective interventions are essential in order to meet the increased demands for health services, which are largely attributable to: shifting societal demographics3; the increased range, sophistication and availability of technologies; the changing nature of consumer expectations and the costs of professional services rendered.4 5 The efficacy of health interventions depends on various factors related to: (1) the intervention, (2) the environment (place, time and context, resources of the professional and client, etc.), (3) the health professional, (4) the client and (5) the interactions between the professional and the client.6 The efficacy of healthcare interventions is highly compromised if clinical reasoning (CR), a factor related to the health professional, is not optimal.7
Influence of contexts on clinical reasoning: a scoping study protocol

ARTICLE SUMMARY

Strengths and limitations of this study

This study will follow the rigorous scoping studies' methodo-
logical framework, including the methodical retrieval of articles
on aspects of the institutional dimension of societal and prac-
tice contexts, in numerous multidisciplinary databases.
Enriched by the close collaboration of knowledge users from
different levels (higher management and clinical practice) of
varied institutions (rehabilitation centre and CSSS), results will
provide an accurate and up-to-date synthesis of knowledge
about: (1) particular aspects of the institutional dimension of
societal and practice contexts and (2) their influence on health
professionals’ CR. Moreover, aspects of the institutional
dimension of societal and practice contexts that have not been
covered by previous research will be identified and guide
future interdisciplinary research. However, similar to other
scoping research,54 this project will not appraise the quality of
the evidence. Furthermore, as textbooks are not systematically
included in electronic databases, information available in some
textbooks might be missed. Nevertheless, the impact of this
limitation is mitigated by the fact that textbooks are not a
primary source for empirical results. Results obtained from
this scoping study will permit a greater understanding of the
aspects and influence of the institutional dimension of the
societal and practice contexts on health professionals’ CR.
This enhanced understanding will orient decision-makers
regarding avenues of intervention to optimise the efficacy and
effectiveness of healthcare services.

Processes and content of CR: critical aspects of health
professional interventions’ efficacy

Since CR, that is, “...the process that practitioners use to
plan, direct, perform, and reflect on client care”,8
(p.314), leads to health professionals’ choice of inter-
ventions, it is a critical competence underpinning inter-
vention efficacy.7 The importance of CR for health
professionals is emphasised by, for example, the findings of a
scoping study,9 in which the underlying cognitive
processes and content of CR from numerous studies
(n=652) were identified. Being influenced by both
internal and external factors, two distinct but inter-
related cognitive processes are involved in CR:
problem-solving and decision-making10 (figure 1).
Problem-solving refers to the way professionals combine
formal theories with professional experiences to under-
stand their client’s situation.8 In turn, decision-making
leads to professionals’ actions.11 12 During the
problem-solving process leading to decision-making, two
strategies are generally used, pattern recognition and
hypothetico-deduction,13 as well as two tactics, heuristic
and algorithmic,10 14 Cognitive tactics are influenced by
the complexity of the problem to be solved.10 14 The
cognitive strategies used are mainly related to the profes-
sionals’ level of expertise.13 15

Expertise, which is one of the most important factors
related to the health professional, experts, through CR
speed13 and richness of content,16 a pivotal influence on
intervention efficacy. Experts can thus be flexible,8 fast,
effective15 and creative17 in their interventions. Expertise level is reached through professional and per-
sonal experiences, and active reflection on those experi-
ences,18 which is part of reflective practice19 and a
critical skill for professionals.20 Experiences and reflect-
ive practice are both influenced by one powerful factor
related to the environment: the societal and practice
contexts (see table 1 for definitions of the concepts).

Better understanding of the societal and practice contexts:
towards a promising research intervention strategy to
improve intervention efficacy

Situated on a continuum from a macro to micro level
and consisting of four dimensions (physical, social, cul-
tural and institutional; figure 2), societal and practice
contexts mould professional and personal experiences.
Pattern recognition, one of the two strategies involved in
the CR problem-solving process (figure 1), relies on
these professional and personal experiences and is indire-
tly affected by societal and practice contexts.24 Among
the four dimensions of the context (figure 2), the insti-
tutional dimension includes the legal, regulatory, admin-
istrative and organisational aspects.21 22 These aspects
influence the possibilities for improving CR and clinical
competence. Indeed, organisational elements such as
the time available25 and explicit administrative support26
(hospital institution internal policies) have been found to
have an impact upon opportunities to reflect on prac-
tice. The societal and practice contexts affect the adop-
tion of innovations and evidence-based practice
guidelines,27 which can in turn influence the efficacy and
quality of services.

Both the quality of services and access thereto, which are
important outcomes of the organisational aspects
(i.e., relative to work organisation: schedule, waiting lists,
etc) of the institutional dimension of both societal and
practice contexts, are major global preoccupations.28–32
Indeed, quality and access to services are affected by the
current discrepancy between healthcare demands and
available resources,33 with potentially important personal
and societal costs. Personal costs for clients and their
caregivers may include diminished quality of life, incap-
acities and social participation restrictions and financial
burden.34 Societal costs include, for example, work-
force reductions35 36 and financial burden.37 In the light of
these important consequences, considerable discus-
sion regarding how to improve access, quality and con-
tinuity of care has taken place in the societal context38
which, as mentioned, can in turn influence the CR of
health professionals.

One example of an intervention undertaken to
improve access, quality and continuity of care is the 2003
legislative reforms enacted by the government of the
province of Québec (Canada) that modified the institu-
tional dimension of the societal and practice contexts.
Among the changes to the societal context, the province
was divided into 95 regions, the services in each of which are overseen respectively by a Centre de santé et de services sociaux (Health and Social Services Centre; CSSS). Each CSSS is now responsible for its respective population’s health and must deliver services relating to three missions: hospital, residential and community care. This reform also impacted the institutional dimension of the practice context. The reform gave local institutions (the 95 CSSSs) increased responsibilities. Importantly, not only are these institutions and their health professionals required to deliver services, but also they have had to assume responsibility for the entire population in their territory without a proportional increase in their financial resources. They must identify people’s health care needs, reach people in their environment and offer them the required services by contracting with other institutions. Furthermore, each CSSS and health professional is accountable to meet provincial or regional policy goals regarding the population served and services delivered. Changes in the institutional dimension of societal (eg, legislative reforms, healthcare policy modifications) and practice (eg, institutional goals) contexts are well documented. Studies have revealed the impact on health professionals of different aspects of the institutional dimension, for example, waiting lists (organisational aspect), institutional goals (administrative aspect) and ethical obligations (regulatory aspect). These significant impacts include: (1) pressure and ethical tensions affecting decision-making; (2) fatigue and cognitive overload leading to interventions of suboptimal quality and increased risk of errors and (3) choice of interventions (CR) diverging from formal professional theories with a potential impact on quality. Importantly, although several studies have been conducted with respect to the institutional dimension and other aspects influencing health professionals’ CR, no clear integration of their results is yet available.

What is lacking from the literature?

Some advances have been made in regard to understanding the influence exerted by societal and practice contexts on elements linked to CR, for example: health professionals’ well-being and organisational commitment; nature of services offered; access to services; interventions rendered and quality of interventions. Despite these advances and the acceptance regarding the importance of the institutional dimension of societal and practice contexts, a rigorous and integrated synthesis of the literature regarding which aspects influence health professionals’ CR and how they do so is lacking. Although various disciplines (health law and politics, management, cognitive psychology, health sciences) have studied the topic from different perspectives, to our knowledge, no attempt has been made to develop a comprehensive portrait rigorously integrating the results of the diverse empirical studies and the theoretical literature. In the light of the existing empirical studies and recent theoretical advances, it is now timely, innovative and advantageous to conduct a rigorous synthesis of the literature to provide a better understanding regarding how the institutional dimensions of societal and practice contexts influence CR.

Modifications to the societal context most certainly have an impact upon the practice context, influencing health professionals’ CR and hence their interventions. However, the exact aspects of the institutional dimension of the societal and practice contexts and their impact on health professionals’ CR lack integration. Such understanding is essential with respect to their association with healthcare intervention efficacy and quality and, potentially, access. Indeed, because aspects of the institutional dimension influence interventions, their efficacy and quality, and CR leads to the choice of these interventions, a clear integration of the aspects of the institutional dimension that impact health professionals’ CR is pivotal to optimise interventions.

The overall objective of this scoping review was thus to synthesise and disseminate current knowledge on the influence of the institutional dimension of societal and practice contexts on health professionals’ CR. The specific objectives of this original contribution are to identify: (1) those aspects of the institutional dimension of health professionals’ societal and practice contexts that
impact their CR; (2) how these aspects influence health professionals’ CR and (3) those aspects of the institutional dimension of the societal and practice contexts that have not been covered by previous research. Based on the Canadian Practice Process Framework and clear definition of concepts found in the CR literature (table 1), this research project will identify comprehensively those aspects having an influence on CR. This should help decision-makers and clinicians to enhance positive aspects while tempering negative ones, optimising efficacy, quality and, ultimately, access to services.

**Table 1 Concepts pertinent to the research project**

<table>
<thead>
<tr>
<th>Concept</th>
<th>Definition</th>
</tr>
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<tbody>
<tr>
<td>Clinical reasoning</td>
<td>The way health professionals solve problems and make decisions regarding direct or indirect client care.</td>
</tr>
<tr>
<td>Health professionals</td>
<td>Health professionals who practise in public settings, for example: physicians; nurses; occupational, physical, speech or respiratory therapists; dieticians; social workers; psychologists</td>
</tr>
<tr>
<td>Institutional dimension</td>
<td>Legal, regulatory, administrative and organisational aspects of the context; Legal: relative to legislation, Regulatory: relative to regulations, Administrative: relative to healthcare policies, Organisational: relative to work organisation such as schedule, waiting lists, caseload, etc</td>
</tr>
<tr>
<td>Practice context</td>
<td>Multidimensional meso or micro environment within which health professionals’ interventions take place. Micro environment is the level at which the health professional and the client interact (eg, clinical setting). Meso environment is the intermediate level joining micro and macro environments (eg, regional agencies). Dimensions can be physical, social, cultural and institutional.</td>
</tr>
<tr>
<td>Societal context</td>
<td>Multidimensional macroenvironment within which health professionals’ interventions take place. Macro environment is the superior level of the healthcare organisation (eg, government, provincial health and social services department). Dimensions can be physical, social, cultural and institutional.</td>
</tr>
</tbody>
</table>

Figure 2 Societal and practice contexts’ continuum and dimensions. Societal context is situated at the macro level (eg, health provincial policies); practice context is at the micro or meso levels (eg, healthcare institution internal rules).
institutional dimension of the societal and practice contexts have not been covered by previous research?

**Stage 2: identifying relevant studies**

Considering the multidisciplinary nature of the research questions, the planned research strategy is developed with the active contribution of experts, knowledge users (decision-maker and clinician) and information scientists from various fields. Identification of databases and keywords will be discussed by all research team members and validated by information scientists. Following this validation, an electronic search of numerous databases from three relevant fields (healthcare, health law and politics and management) will first be conducted by the research assistant with the supervision of the principal investigator and close support from the two information scientists. Specifically, the research assistant will report every 2 weeks to the principal investigator on the outcome of the search within each database and, when needed, will request technical support from the information scientists. The databases that will be included are detailed in table 3. The search will be limited to articles published in English, French and Italian (languages spoken by research team members), between January 1980 and March 2013. This timeline will allow: (1) retrieval of up-to-date articles considering major reforms worldwide in the organisation and delivery of healthcare services and (2) completion of the identification of the studies (stage 2) within the expected time schedule.

To optimise search results, keywords will vary according to the specificity of each database and, when relevant, consider Medical Subject Headings (MeSH) (table 3).

<table>
<thead>
<tr>
<th>Table 2</th>
<th>Seven stages of the scoping study and implication of team members in the research project</th>
</tr>
</thead>
<tbody>
<tr>
<td>Schedule</td>
<td>Stages of research project</td>
</tr>
<tr>
<td>PI (dm)</td>
<td></td>
</tr>
<tr>
<td>ME (pc)</td>
<td></td>
</tr>
<tr>
<td>CR (hlp)</td>
<td></td>
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<tr>
<td>PKU</td>
<td></td>
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<tr>
<td>CR (cr)</td>
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<tr>
<td>KU (c)</td>
<td></td>
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<tr>
<td>C (hs)</td>
<td></td>
</tr>
<tr>
<td>IS (hlp)</td>
<td></td>
</tr>
<tr>
<td>RA</td>
<td></td>
</tr>
<tr>
<td>October 2012</td>
<td>1. Identifying the research questions</td>
</tr>
<tr>
<td>October–December 2012</td>
<td>2. Identifying relevant studies</td>
</tr>
<tr>
<td>December 2012–March 2013</td>
<td>3. Study selection</td>
</tr>
<tr>
<td>March 2013</td>
<td>4. Charting the data</td>
</tr>
<tr>
<td>March and April 2013</td>
<td>5. Collating, summarising, and reporting results</td>
</tr>
<tr>
<td>May–August 2013</td>
<td>6. Consulting (throughout the project)</td>
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<tr>
<td>September 2013</td>
<td>7. Dissemination of results</td>
</tr>
</tbody>
</table>


Table 3  Choice of databases and keywords

<table>
<thead>
<tr>
<th>Health related and management fields</th>
<th>Legal field</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Databases</strong></td>
<td>Quicklaw</td>
</tr>
<tr>
<td>health science: Medline, Cochrane Database of Systematic Reviews, OTDBASE, OTSeeker, CINAHL, Allied &amp; Complementary Medicine Database (AMED), Scopus, Academic Search Complete, MANTIS, Repère*, Banque de données en santé publique (BDSP)<em>, Santecom</em></td>
<td><em>Droit civil en ligne</em></td>
</tr>
<tr>
<td>management: HealthStar</td>
<td>Azimut</td>
</tr>
<tr>
<td><strong>Keywords</strong></td>
<td>LegalTrac</td>
</tr>
<tr>
<td>Step 1: (organisational/organisational factors OR legal factors OR institutional dimension) AND (health) AND (healthcare organisation/organisation OR healthcare professionals)</td>
<td><em>HeinOnline</em></td>
</tr>
<tr>
<td>Step 2: AND (clinical reasoning OR professional reasoning OR clinical thinking OR problem solving OR decision-making OR professional practice)</td>
<td><em>(contexte ET pratique ET (organisation OU ressources)) OU (déontologie ET professionnels de la santé) OU (droit de la santé ET (établissements de santé OU professionnels de la santé))</em></td>
</tr>
</tbody>
</table>

*French equivalent of the keywords.

Stage 3: selecting the studies

A systematic team approach will be used to properly select the studies. First, articles will be screened for eligibility by title and, when available, by abstract, by the collaborator (CR content expert) and the research assistant. All articles (textbooks, empirical studies, opinion article, etc) that comprehensively inform aspects of institutional dimension of societal or practice contexts and their influence on health professionals’ CR will be retained. Extended search strategies will include the manual search of bibliographies, health-related websites (such as Health and social services department, agencies and institutions and health professionals’ regulatory boards), public registries (such as CUBIQ and Catalogue de la Bibliothèque Nationale du Québec) and journals of interest. Relevant literature proposed by experts in the field of health law and politics, management and CR will also be selected. Articles will be excluded if the aim is to: (1) validate an instrument to document the aspects of contexts, (2) offer practice guidelines regarding a specific intervention, (3) report only conference proceedings or (4) discuss the influence of contexts on other elements than CR. To discuss and resolve any ambiguity relating to study selection, the collaborator and the research assistant will meet with the principal researcher once a week. To ensure the clinical and managerial relevance of study selection, meetings of the whole team will also be held at the beginning (first focus group) and middle (second focus group) of this process. The final selection of all included articles will be made in agreement with both the collaborator and the research assistant. Any disagreement will be submitted to a third member of the team (practice context content expert). To ensure transparency and repeatability of the process and following PRISMA guidelines, a flow chart of the literature search will be developed and methodological choices will be documented.

Stage 4: charting the data

Through a preliminary reading, all included articles will be first categorised into detailed aspects of the institutional dimension of societal and practice contexts that influence CR. Such a detailed charting will permit identification not only of the specific aspects of the institutional dimension of both contexts that influence the processes, strategies, tactics or contents of CR, but also of the uncovered aspects. Emerging categories for each context will then be identified and lead to the collective development of the data charting form by the research team. Anticipated categories include: (1) aspects of the institutional dimension of societal and practice contexts: organisational; administrative; regulatory; legal characteristics and (2) cognitive processes (problem-solving or decision-making) and content of CR. As the link between formal evidence and current healthcare context is pivotal to knowledge translation, and because scoping studies must be related to a particular health service context, all emerging categories will be linked to the type of clinical setting (see description below). Development of the data charting form will be led by method and content experts, in collaboration with the rest of the team. Considering the iterative nature of scoping studies, the data charting form will evolve with the data collating process. Data will then be independently extracted and categorised by the collaborator and the research assistant. Validation of the process, including the data charting form, and its relevance to the research questions will be provided by research team discussion after the first 10 articles and subsequently, as required.

Stage 5: collating, summarising and reporting results

This stage includes three steps: analysing data, reporting results and applying meaning to results.

Step 1: analysing data

To characterise articles, contextual data will be first collected regarding the year of publication, country of origin, type of article (eg, empirical, theoretical, report, opinion, etc), type of study design (if applicable), health

\[ ... \]

\[ ... \]

\[ ... \]
profession under study and type of clinical setting (eg, hospital, community-based, rehabilitation centre, etc). Contextual data will then be analysed through descriptive statistics (means and SDs or frequencies and percentages according to the number and type of variable; continuous or categorical, respectively).

Using content analysis, all data will be exhaustively analysed, organised and synthesised by both the collaborator and the research assistant. Analysis will also be discussed and one-third co-coded by part of the research team (table 2). More specifically, initial categories will be grouped by meaning, reduced and then classified into coherent, consistent, relevant, clearly defined, objectified and productive themes. Such qualitative methods to analyse documents ensure credibility of the results.

Step 2: reporting results
The collaborator and the research assistant will numerically report data with graphs, tables and figures. Narrative data will be synthesised into relevant themes. Each theme will be contrasted to show similarities and differences relating to different clinical settings to increase applicability to knowledge users.

Step 3: applying meaning to results
Through discussion with content experts and knowledge users (third focus group), implications of results will be challenged and, when possible, broadened to include aspects of health governance, politics and finances. As their contribution provides direct relevance and feasibility input, the knowledge users’ implication is essential and will be significant for the current and the following stages of the project (table 2). Recommendations will thus consider clinical as well as managerial, political and financial implications.

Stage 6: consulting
In a process congruent with an integrated approach to knowledge translation and to ensure the clinical relevance of the results, knowledge users are an inherent part of the research project. Specifically, knowledge users will be consulted through a team meeting (at stage 2) and three focus groups (2 at stage 3 and 1 at stage 5) to optimise the methodology of the research project and to guide data collection and analysis. Furthermore, the implication of researchers and collaborators from different fields (health sciences, CR, public health, social sciences, health law and politics and management) will ensure a complementary and multidisciplinary project vision. Involving optimal collaboration, focus groups and meetings will permit the discussion and validation of the findings and inform future research. This collaborative process will involve preliminary findings from stage 5 (either in the form of a framework, themes or list of findings). Based on these results, knowledge users will then be able to support their decisions and interventions with the evidence and offer a higher level of meaning, content expertise and perspective to preliminary findings. This stage will also be considered as the beginning of knowledge transfer (dissemination strategies).

Stage 7: dissemination of results
Congruent with an integrated knowledge translation process, varied dissemination strategies targeting a wide audience (researchers, decision-makers and clinicians) will be used. Details as well as the expected impact of dissemination are provided in table 4.

DISCUSSION
First, the feasibility of this project will be discussed, followed by potential outcomes. Subsequently, strengths and limitations will be addressed.

Feasibility
The feasibility of the project is first insured by the quality of the experienced synergic research team. The researcher and collaborator team members have been selected based on their expertise and the required qualities to successfully carry out this project. Indeed, members include researchers from health sciences (n=2) and health law and politics (n=1), knowledge users from varied institutions (rehabilitation centre and CSSS), a collaborator specialising in CR and two information scientists, respectively, from health sciences and health law and politics. From a methodological perspective, two team members have already realised a total of seven scoping studies and have published and presented their results. Furthermore, the strong multidisciplinary perspective and clear definition of the contribution and role of every member will ensure optimal realisation and dissemination of the results. The specified contribution of researchers and collaborators in major decisions regarding project coordination, study selection and analysis of results (table 4) will also favour real involvement of team members. Second, the present project has been designed with specific and attainable objectives that can be carried out within the obtained grant’s timeline and funding. The researcher and collaborator team members have already agreed to divide the work efficiently into stages (study identification and selection, data charting and analysis, dissemination of results), which will facilitate the overall completion of the project.

Outcomes
This scoping study will provide a rigorous, accurate and up-to-date synthesis of existing knowledge regarding: (1) what aspects of the institutional dimension of health professionals’ societal and practice contexts impact their CR and (2) how these aspects influence health professionals’ CR. Through the synergy of an exceptional research team from a wide range of expertise and multiple disciplines, clinical pertinence and exhaustive dissemination of results to knowledge-users will be ensured.
<table>
<thead>
<tr>
<th>Knowledge generated</th>
<th>Dissemination strategies</th>
<th>Target audience</th>
<th>Decision-makers</th>
<th>Clinicians</th>
<th>Expected outcomes</th>
</tr>
</thead>
</table>
| Aspects of institutional dimension of societal context and their influence on CR of health professionals (part of objectives 1 through 2) | {Peer-reviewed publication
Peer-reviewed publication, Conference} | Researchers (peers) | Consultation regarding preliminary findings
Summary briefing in both institutions involved in research project
Peer-reviewed and non peer-reviewed publication Conference Included above | Consultation regarding preliminary findings | Development of an assessment instrument of the institutional dimension of societal context (peers)
Empirical comparison within different institutions (decision-makers and clinicians) |
| Aspects of institutional dimension of practice context and their influence on CR of health professionals (part of objectives 1 through 2) | {Peer-reviewed publications
Peer-reviewed publications, Conference} | Researchers (peers) | Consultation regarding preliminary findings
Education session in both institutions involved in the research project
Collaboration with professional regulatory boards Article in clinical journal Included above | Consultation regarding preliminary findings | Development of an assessment instrument of the institutional dimension of practice context (peers)
Development of practice guidelines for decision-makers to optimise positive influence of institutional dimension on CR (peers, decision-makers and clinicians, in collaboration)
Raising of optimal reflective practice (clinicians) Protocol development for relevant studies to knowledge-users Research project submitted for subsequent grant |
| Aspects of institutional dimension not covered by research (objective 3)           | {Included above}         | Researchers (peers) | Consultation regarding preliminary findings
Education session in both institutions involved in the research project
Collaboration with professional regulatory boards Article in clinical journal Included above | Consultation regarding preliminary findings | Development of an assessment instrument of the institutional dimension of practice context (peers)
Development of practice guidelines for decision-makers to optimise positive influence of institutional dimension on CR (peers, decision-makers and clinicians, in collaboration)
Raising of optimal reflective practice (clinicians) Protocol development for relevant studies to knowledge-users Research project submitted for subsequent grant |
The knowledge generated will first be useful to decision-makers in the societal context (table 4). Indeed, results will allow them to better understand the impact of healthcare legislation and policies (societal context) on the clinicians’ choice of interventions (CR). In the current context of a discrepancy between the demands of services and the resources available, such an understanding could lead to modifications in the ways legislation and policies are used to optimise efficacy, quality and, ultimately, access to services. Finally, this understanding could also lead to the development of more comprehensive legislation and policies.

Second, because the project has been developed and will be realised with the participation of decision-makers in the practice context and clinicians, results will be useful to them (table 4). Knowledge about aspects of the institutional dimension of societal and practice contexts, in Quebec, Canada and elsewhere, could offer a base for empirical comparison with the decision-makers and clinicians’ own institutional dimension. As the flexibility of the scoping review allows the description in sufficient detail of aspects identified in the literature as having an influence on CR, decision-makers and clinicians will be able to enhance positive aspects while mitigating negative ones. Results could also contribute to raising the optimal reflective practice of clinicians, enhancing their expertise and possibly improving the efficacy of their interventions. Educators and researchers will also benefit from the knowledge generated by the present project. On the one hand, the entry-level and continuing education of health professionals could be modified so as to better prepare students to the reality of clinical practice. On the other hand, researchers could use results to develop an assessment instrument of the institutional dimension of societal and practice contexts. In collaboration with decision-makers and clinicians, researchers will also be able to develop practice guidelines for decision-makers to optimise the positive influence of the institutional dimension of practice context on CR.

Finally, the present study will permit the identification of areas where insufficient evidence exists about the institutional dimension of the societal and practice contexts and where future interdisciplinary research is necessary (table 4). Initiation of contact with primary knowledge-users (clinicians and decision-makers) and coresearchers from multiple disciplines (health sciences, CR, public health, social sciences, health law and politics and management) of the present project will lead to the development and implementation of a high-quality, novel and inventive research programme on the influence of societal and practice contexts on health professionals’ CR.

CONCLUSION
The efficacy of interventions, a pivotal aim of healthcare systems worldwide, is highly compromised if health professionals’ CR is not optimal. One factor that influences their CR is the institutional dimension of health professionals’ societal and practice contexts. Although several studies have been conducted with respect to the institutional dimension influencing health professionals’ CR, no clear integration of their results is yet available. The aim of this study is thus to synthesise and disseminate current knowledge on the influence of the institutional dimension of societal and practice contexts on health professionals’ CR. In the current context of a discrepancy between the demands of services and the resources available, such a synthesis could lead to modifications in the ways legislation and policies are used to optimise efficacy, quality and, ultimately, access to services.

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Funding This study is supported by the Canadian Institutes for Health Research (#250497). AC is a Canadian Institutes for Health Research (#250281). Fonds de recherche du Québec-Santé (#22754) and Canadian Occupational Therapy Foundation scholarship doctoral student.

Provenance and peer review Not commissioned; internally peer reviewed.

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Influence of societal and practice contexts on health professionals’ clinical reasoning: a scoping study protocol

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BMJ Open 2013 3:
doi: 10.1136/bmjopen-2013-002887

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