

# Knowledge Utilization Resource Guide

The Knowledge Utilization and Policy Implementation (KUPI) research program is a five year (2002-2007) CIHR funded program. Dr. Carole Estabrooks is the Principal Investigator and the Co-investigators are Dr. Rejean Landry, Dr. Harley Dickinson and Dr. Karen Golden-Biddle.

The resource guide was developed as part of the KUPI research program.



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## ABOUT THE GUIDE

Knowledge Utilization (KU) means many things to many people throughout various subject disciplines and research projects. In fact, you'll find that the one commonality of Knowledge Utilization is the varying opinion on the breadth and nature of the subject area and how it is operationalized.

This resource guide was developed in response to the increased interest in, and challenges of, linking research about KU with other disciplines. This guide aims to highlight resources that can help answer some common questions, such as: What is knowledge utilization? How is knowledge utilization accomplished in organization? How does knowledge utilization shape policy implementation? How do the determinants of knowledge utilization vary across levels of decision-making?

This guide was developed by an interdisciplinary team of knowledge and information specialists, together with the investigators of the Knowledge Utilization and Policy Implementation (KUPI) research program. KUPI is a multi-year (2002-2007), collaboration funded by the Canadian Institutes of Health Research (CIHR). Principal investigator, Dr. Carole Estabrooks, along with the rest of the KUPI team, are investigating the determinants and processes of using research knowledge in implementing policy to improve patient and system outcomes. KUPI consists of a unique team of researchers from across Canada that brings together the disciplines of nursing, organization studies, political sciences and sociology.

Among our various titles and subjects areas, you will find a variety of introductory to advanced-level resources to help you better understand the different ways knowledge can be used, created, measured, transferred and translated in practice.

### Table of Contents

Click on the following links to view suggested KU resources in the following subject areas:

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## 1. GENERAL INTRODUCTION

### Introduction

This section of the knowledge utilization resource guide provides a list of resources that offer general and introductory information about the field of Knowledge Utilization (KU). This section also provides a list of key people, in addition to a selection of useful Internet resources. The following is not a complete listing, but is intended to be a starting point for people new to the field. For more subject-specific resources in the areas of: nursing and health sciences, social sciences/humanities, organization studies, and policy studies, please refer to the other sections of this guide by following the appropriate links.

### Primer

Backer, T.E. 1991. Knowledge utilization: The third wave. *Knowledge: Creation, Diffusion, Utilization*, 12: 225-240.

Canadian Health Services Research Foundation. 2002. *Annual report 2002: Harnessing knowledge, transferring research*. Ottawa: Canadian Health Services Research Foundation. Accessed 8 Jan. 2004.  
[http://www.chsrf.ca/other\\_documents/annual\\_reports/pdf/2002\\_e.pdf](http://www.chsrf.ca/other_documents/annual_reports/pdf/2002_e.pdf)

Caplan, N. 1979. The two-communities theory and knowledge utilization. *American Behavioral Scientist*, 22(3): 459-470.

Weiss, C.H. 1979. The many meanings of research utilization. *Public Administration Review*, 39: 426-431.

Estabrooks, C. 1999. The Conceptual Structure of Research Utilization. *Research in Nursing & Health*, 22: 203-216.

Estabrooks, C. A., et al. 2003. Individual determinants of research utilization: A systematic review. *Journal of Advanced Nursing*, 43(5): 506-520.

Holzner, B., Fisher, E.M., & Marx, J.H. 1977. Paul Lazarsfeld and the study of knowledge applications. *Sociological Focus*, 10(2): 97-116.

Koskinen, K.U. 2003. Evaluation of tacit knowledge utilization in work units. *Journal of Knowledge Management*, 7(5): 67-81.

Rynes, S. L., Bartunek, J.M., & Daft, R.L. 2001. Across the great divide: Knowledge creation and transfer between practitioners and academics. *Academy of Management Journal*, 44(2): 340-455.

Landry, R., N. Amara, N., & Lamari, M. 2001. Utilization of social science research knowledge in Canada. *Research Policy*, 30(2): 333-349.

### **Key Journals**

- *Science Communication*, formally known as *Knowledge: Creation, Diffusion, Utilization*
- *Knowledge and Policy: The International Journal of Knowledge Transfer and Utilization*
- *Knowledge in Society*
- *Knowledge in Technology & Policy*
- *Organization Sciences*

### **Special Journal Issues**

- Knowledge, knowing and organization. 2002. *Organization Science*, 13(3).

### **Books/Monographs**

Bulmer, M. 1982. *The uses of social research*. London: George Allen and Unwin.

Champagne, F., & Lemieux-Charles, L. (Eds.). 2002. *Multidisciplinary perspectives on evidence-based decision-making in health care*. Toronto: University of Toronto Press.

Downie, R.S., & Macnaughton, J. 2000. *Clinical judgment: Evidence in practice*. Oxford: Oxford University Press.

Glaser, E.M., Abelson, H.H., & Garrison, K.N. 1983. *Putting knowledge to use*. San Francisco: Jossey-Bass.

Grasso, A.J., & Epstein, I. (Eds.). 1992. *Research utilization in the social services :Innovations for practice and administration*. New York: Haworth Press

Muir Gray, J.A. 2001. *Evidence based healthcare: How to make policy & management decisions*. 2<sup>nd</sup> Edition. Edinburgh, U.K.: Churchill Livingstone.

Lindblom, CE., & Cohen, D.K. 1979. *Usable knowledge: Social science and social problem solving*. New Haven: Yale University Press.

Rogers, E. 1995. *The diffusion of innovation*. 4<sup>th</sup> Edition. New York: The Free Press.

Trohler, U. 2000. *To improve the evidence of medicine: The 18<sup>th</sup> century British origins of a critical approach*. Edinburgh: Royal College of Physicians.

Van de Ven, A.H., Angle, H.L., & Poole, S. (Eds.). 2000. *Research on the management of innovation*. Oxford: Oxford University Press.

## Key Players

- Backer, Thomas E.
- Dunn, William N.
- Huberman, Michael
- Johnson, R. Burke
- Knott, Jack
- Larsen, Judith K.
- Oh, Cheol H.
- Rich, Robert F.
- Weiss, Carol

## Centres, Research Organizations and Funding Agencies

Evidence-Based Practice Centre (EBC), McMaster University

<http://www.hiru.mcmaster.ca/epc/>

Centre for Knowledge Transfer

<http://www.ckt-ctc.ca/>

Canadian Policy Research Network

<http://www.cprn.com/en/>

Knowledge Utilization Studies Program, University of Alberta

[http://www.nursing.ualberta.ca/kusp/About\\_Home.htm](http://www.nursing.ualberta.ca/kusp/About_Home.htm)

Health Organization Studies, University of Alberta

<http://www.bus.ualberta.ca/hos/>

Getting Research into Policy and Practice

<http://www.jsiuk-gripp-resources.net/gripp/>

Knowledge Translation Program

<http://www.ktp.utoronto.ca>

Knowledge Utilization – Utilisation des Connaissances (KU-UC)

<http://kuuc.chair.ulaval.ca/english/index.php>

Canadian Association of Research Libraries (CARL)

*Optimizing the Transformation of Knowledge Dissemination: Towards a Canadian Research Strategy for Knowledge Dissemination*

<http://www.kdstudy.ca>

Campbell Collaboration

<http://www.campbellcollaboration.org>

European Observatory on Health Care Systems

<http://www.euro.who.int/observatory>

Global Development Network

<http://www.gdnet.org/>

Canadian Research Transfer Network

<http://www.research-transfer.org/>

Canadian Health Services Research Foundation (CHSRF)

[http://www.chsrf.ca/index\\_e.shtml](http://www.chsrf.ca/index_e.shtml)

CIHR

<http://www.cihr-irsc.gc.ca/>

## Knowledge Glossaries

National Electronic Library for Health

[http://www.nelh.nhs.uk/knowledge\\_management/glossary/glossary.asp](http://www.nelh.nhs.uk/knowledge_management/glossary/glossary.asp)

Gotcha!

[http://www.sims.berkeley.edu/courses/is213/s99/Projects/P9/web\\_site/glossary.htm](http://www.sims.berkeley.edu/courses/is213/s99/Projects/P9/web_site/glossary.htm)

Canadian Forest Service

[http://www.nrcan-rncan.gc.ca/cfs-scf/science/prodserv/kmglossary\\_e.html#0011](http://www.nrcan-rncan.gc.ca/cfs-scf/science/prodserv/kmglossary_e.html#0011)

Glossary for Knowledge-based Institutions

<http://www.intervista-institute.com/resources/glossary.html>

Knowledge Glossary

<http://www.ktiworld.com/pdf/kmglossary.pdf>

International Center for Applied Studies in Information Technology

<http://www.icasit.org/km/intro/glossary.htm>

National Centre for the Dissemination of Disability Research (NCDDR)

*A Review of the Literature on Dissemination and Knowledge Utilization*

<http://www.ncddr.org/du/products/review/review12.html#top>

## 2. NURSING & HEALTH SCIENCES

### Introduction

This section of the knowledge utilization resource guide provides information related to resources about knowledge utilization in nursing and the health sciences. While knowledge utilization refers to the broader term, we will also be referring to the subset of research utilization and its related terms.

In addition, this section provides reference to key resources in the area and tips to finding resources, but is not a complete listing of all of the resources in this field of study.

### Primer

The following is a list of 10 significant knowledge utilization references suggested by Carole Estabrooks:

Backer, T. E. 1991. Knowledge utilization: The third wave. *Knowledge: Creation, Diffusion, Utilization*, 12(3): 225-240.

Estabrooks, C. A. 1998. Will evidence-based nursing practice make practice perfect? *Canadian Journal of Nursing Research*, 30(1): 15-36.

Estabrooks, C. A. 2001. Research utilization and qualitative research. In J. M. Morse, J. M. Swanson, & A. J. Kuzel (Eds.), *The nature of qualitative evidence*: 275-298. Thousand Oaks, CA: Sage Publications.

Kitson, A., Harvey, G., & McCormack, B. 1998. Enabling the implementation of evidence based practice: A conceptual framework. *Quality in Health Care*, 7: 149-158.

Larsen, J. K. 1980. Knowledge utilization. What is it? *Knowledge: Creation, Diffusion, Utilization*, 1(3): 421-442.

Loomis, M. E. 1985. Knowledge utilization and research utilization in nursing. *IMAGE: The Journal of Nursing Scholarship*, 17(2): 35-39.

Upshur, R. E. G., VanDenKerkhof, E. G., & Goel, V. 2001. Meaning and measurement: An inclusive model of evidence in health care. *Journal of Evaluation in Clinical Practice*, 7(2): 91-96.

Valente, T. W., & Rogers, E. M. 1995. The origins and development of the diffusion of innovations paradigm as an example of scientific growth. *Science Communication*, 16(3): 242-273.

Weiss, C. 1979. The many meanings of research utilization. *Public Administration*

*Review*, September/October: 426-431.

Weiss, C. H. 1980. Knowledge creep and decision accretion. *Knowledge: Creation, Diffusion, Utilization*, 1(3): 381-404.

## **Searching for Resources**

Relevant CINAHL **Subject Headings** for knowledge utilization in nursing and the health sciences:

- Diffusion of innovation
- Nursing practice, research based
- Professional practice, evidence based
- Evidence-based medicine
- Technology transfer
- Practice guidelines
- Research, Nursing/ ut (utilization)

Relevant **Keywords** for knowledge utilization in nursing and the health sciences:

- Research utilization
- Knowledge utilization
- Knowledge transfer
- Knowledge translation
- Innovation diffusion

Relevant Library of Congress **Call Numbers** for knowledge utilization in nursing and the allied health sciences:

- **R735-854** - Medicine: Medical education, Medical schools, research
- **RA 440-440.87** - Medicine: Studying & teaching research
- **R690-697** - Medicine: Medicine as a profession

**Sample search strategy in CINAHL** for finding information about knowledge utilization:

1. Diffusion of innovation
2. Professional practice, research based
3. (research or innovation\* or evidence or knowledge or technolog\*) limited to title
4. (utiliz\* or utilis\* or uptake or transfer\* or implement\* or disseminat\* or diffus\*) limited to title
5. 3 and 4
6. 1 or 2 or 5

*Limit above by items of interest (language, years, type of article). Or try to search by key authors as per list below.*

## Key Bibliographic Databases

Key databases to search to retrieve citations about knowledge utilization in the nursing and the health sciences:

- **CINAHL:** Nursing & allied health
- **MEDLINE:** Medicine, biomedicine
- **EMBASE:** Medicine, pharmaceutical
- **HealthSTAR:** Health administration, health services research
- **PsychInfo:** Psychology, Applied psychology
- **Web of Science:** Multidisciplinary
- **KU-UC databases:** 1) Innovation & smart practices, 2) Dissemination & utilization of social sciences research; 3) Knowledge dissemination and utilization in health services; and 4) Utilization of evaluation research  
<http://kuuc.chair.ulaval.ca/english/master.php?url=bibliographie.php>
- **Program in Policy Decision-Making (ppd)**  
<http://www.researchtopolicy.ca/Search/referencemanager.asp>
- **Knowledge Utilization Studies Program (KUSP) Bibliographies**  
[http://www.nursing.ualberta.ca/kusp/Resources\\_BibDat.htm](http://www.nursing.ualberta.ca/kusp/Resources_BibDat.htm)

## Key Journals

- *Health Affairs*
- *International Journal of Nursing Studies*
- *Journal of Evaluation in Clinical Practice*
- *Journal of Health Services Research & Policy*
- *Journal of Advanced Nursing*
- *Milbank Quarterly*
- *Quality & Safety in Health Care*
- *Social Science & Medicine*
- *Worldviews on Evidence Based Nursing*

## Special Journal Issues

Thematic issues of the *Journal of Evaluation in Clinical Practice*:

- Limits of evidence-based medicine. 1997. *Journal of Evaluation in Clinical Practice*, 3(2).
- Recent progression in health services research. 1998. *Journal of Evaluation in Clinical Practice*, 4(4).
- Advancing the evidence-based health care debate. 1999. *Journal of Evaluation in Clinical Practice*, 5(2).
- New Perspectives in the evidence-based health care debate. 2000. *Journal of Evaluation in Clinical Practice*, 6(2).
- Recent developments in the evidence-based healthcare debate. 2001. *Journal of*

*Evaluation in Clinical Practice*, 7(2).

- Critical advances in the evaluation and development of clinical care. 2002. *Journal of Evaluation in Clinical Practice*, 8(2).
- Current thinking in the evidence-based healthcare debate. 2003. *Journal of Evaluation in Clinical Practice*, 9(2).
- Developments in the evidence-based health care debate – 2004. 2004. *Journal of Evaluation in Clinical Practice*, 10(2).

Thematic issue of the *Journal of Health Services Research & Policy*:

- Researcher: decision-maker partnerships. 2003. *Journal of Health Services Research & Policy*, 8(4): Suppl 2.

## **Books/Monographs**

Bulmer, M. 1982. *The uses of social research*. London: George Allen and Unwin.

Champagne, F., & Lemieux-Charles, L. (Eds.). 2002. *Multidisciplinary perspectives on evidence-based decision-making in health care*. Toronto: University of Toronto Press.

Downie, R.S., & Macnaughton, J. 2000. *Clinical judgment: Evidence in practice*. Oxford: Oxford University Press.

Glaser, E.M., Abelson, H.H., & Garrison, K.N. 1983. *Putting knowledge to use*. San Francisco: Jossey-Bass.

Grasso, A.J., & Epstein, I. (Eds.). 1992. *Research utilization in the social services: Innovations for practice and administration*. New York: Haworth Press

Muir Gray, J.A. 2001. *Evidence based healthcare: How to make policy & management decisions*. 2<sup>nd</sup> Edition. Edinburgh, U.K.: Churchill Livingstone.

Lindblom, CE., & Cohen, D.K. 1979. *Usable knowledge: Social science and social problem solving*. New Haven: Yale University Press.

Rogers, E. 1995. *The diffusion of innovation*. 4<sup>th</sup> Edition. New York: The Free Press.

Trohler, U. 2000. *To improve the evidence of medicine: The 18<sup>th</sup> century British origins of a critical approach*. Edinburgh: Royal College of Physicians.

Van de Ven, A.H., Angle, H.L., & Poole, S. (Eds.). 2000. *Research on the management of innovation*. Oxford: Oxford University Press.

## Key Players

Author	General area of expertise
Boström, Ann Marie	Clinical practice guidelines, nursing
Bucknall, Tracey	Clinical decision making, research utilization, nursing
Davies, Huw	Health services research, policy, research utilization
Degner, Leslie	Evidence based practice, oncology, nursing
Denis, Jean Louis	Health services research, organizational change
DiCenso, Alba	Evidence based healthcare, nursing
Dobbins, Maureen	Research transfer, evidence based decision making, organizational culture, nursing
Estabrooks, Carole A.	Research utilization, health services research, organizational determinants, nursing
Evidence Based Medicine Working Group	Evidence based medicine
Guyatt, Gordon H.	Evidence based medicine, health policy, medicine
Goode, Colleen J.	Research utilization, Nursing
Haynes, R. Brian	Health informatics, evidence based medicine, medicine
Jadad, Alex	Health informatics, evidence based medicine, medicine
Nilsson Kajermo, Kerstin	Research utilization, nursing
Kitson, Alison	Research utilization, nursing models, nursing
Landry, Réjean	Health policy, knowledge utilization, technology transfer
Langley, Ann	Innovation, leadership, strategic change
Lavis, John	Knowledge transfer, policy, health services research, medicine
Lomas, Jonathan	Health services research, health policy, evidence based decision making
Logan, Jo	Research use, evidence based practice, decision support technology, nursing
McCormack, Brendan	Practice development, health policy, research to practice, nursing,

Rycroft-Malone, Jo	Nursing, evidence based practice, guideline development
Pain, Kerry	Physical therapy, research use, attitude to research
Pepler, Carolyn	Nursing leadership, evidence based practice, nursing
Profetto-McGrath, Joanne	Nursing, critical thinking, research utilization
Sackett, David L.	Evidence based medicine, medicine
Shortell, Steve	Health policy & management, organizational change
Stetler, Cheryl	Nursing, research utilization, models
Thompson, Carl J.	Nursing, clinical decision making, research utilization
Tsai, Sing-Ling	Nursing, research utilization
Upshur, Ross	Concept of evidence, clinical reasoning, medicine, bioethics
Titler, Marita	Nursing, translational research, evidence based practice, health services research
Wallin, Lars	Nursing, clinical practice guidelines, research utilization

### Centres, Associations & Funding Agencies

Canadian Population Health Initiative

[http://secure.cihi.ca/cihiweb/dispPage.jsp?cw\\_page=cphi\\_e](http://secure.cihi.ca/cihiweb/dispPage.jsp?cw_page=cphi_e)

Canadian Research Transfer Network

<http://www.research-transfer.org/eng/index.cfm>

Centre for Health Evidence, University of Alberta

<http://www.cche.net>

Centre for Evidence Based Nursing, York University

<http://www.york.ac.uk/healthsciences/centres/evidence/cebn.htm>

Centre for Evidence-Based Medicine, Oxford University

<http://www.cebm.net/>

Centre for Global eHealth Innovation

[http://www.uhnres.utoronto.ca/ehealth/html/home/eh\\_home.shtml](http://www.uhnres.utoronto.ca/ehealth/html/home/eh_home.shtml)

Centre for Knowledge Transfer

<http://www.ckt-ctc.ca/>

Canadian Cochrane Network and Centre

<http://www.cochrane.mcmaster.ca/>

Health Research Transfer Network of Alberta

<http://www.ahfmr.ab.ca/rtna/>

Joanna Briggs Institute

<http://www.joannabriggs.edu.au/about/home.php>

Royal College of Nursing

<http://www.rcn.org.uk/>

Sara Cole Hirsch Institute

<http://fpb.cwru.edu/HirshInstitute/>

SEARCH - Swift Efficient Application of Research in Community Health

<http://www.ahfmr.ab.ca/search.shtml>

## Research Organizations

Centre for Health and Policy Studies (CHAPS), U of C

<http://www.chaps.ucalgary.ca>

Institute of Clinical Evaluative Sciences

<http://www.ices.on.ca>

KU-UC: Knowledge Utilization Database, University of Laval

<http://kuuc.chair.ulaval.ca/>

Knowledge Utilization Studies Program, University of Alberta

[http://www.nursing.ualberta.ca/kusp/About\\_Home.htm](http://www.nursing.ualberta.ca/kusp/About_Home.htm)

Program in Policy Decision-Making, McMaster University

<http://www.researchtopolicy.ca>

Research unit for research utilization, St. Andrew's University

<http://www.st-andrews.ac.uk/academic/management/text/huw.htm>

### 3. SOCIAL SCIENCES & HUMANITIES

#### Introduction

This guide to Knowledge Utilization is primarily based on resources collected from the Social Science and Humanities perspective. As with most subjects, there will be an overlap with topics from business, science, technology, engineering, etc. For instance, although some Journals and resources could be considered "Science" or "Business", they contain a "Social Aspect" important for anyone working in the Social Sciences and Humanities. These resources constitute a broad picture of the Knowledge Society in general and relate specifically to new and old approaches to Knowledge Utilization.

#### Primer

Backer, T. E. 1991. Knowledge utilization: The 3rd wave. *Knowledge: Creation, Diffusion, Utilization*, 12(3): 225-240.

Crewe, E., & Young, J. 2002. *Bridging research and policy: Context, evidence and links*. London: Overseas Development Institute.

Kerr, D. H. 1981. Knowledge utilization: Epistemological and political assumptions. *Knowledge: Creation, Diffusion, Utilization*, 2(4): 483-581.

Landry, R., Lamari, M., & Amara, N. 2003. The extent and determinants of the utilization of university research in government agencies. *Public Administration Review*, 63(2): 192-205.

Larsen, J. K. 1980. Knowledge utilization - What is it? *Knowledge: Creation, Diffusion, Utilization*, 1(3): 421-442.

Scott, P. 2003. The ethical implications of the new research paradigm. *Science and Engineering Ethics*, 9(1): 73-84.

Szulanski, G. 2000. The process of knowledge transfer: A diachronic analysis of stickiness. *Organizational Behavior and Human Decision Processes*, 82 (1): 9-27.

Wingens, M. 1990. Toward a general utilization theory: A systems-theory reformulation of the 2-communities metaphor. *Knowledge: Creation, Diffusion, Utilization*, 12(1): 27-42.

Van de Vall, M. 1975. Utilization and methodology of applied social research: Four complementary models. *Journal of Applied Behavioral Science*, 11(1): 14-38.

Zellner, C., & Fornahl, D. 2002. Scientific knowledge and implications for its

diffusion: Review of knowledge management. *Journal of Knowledge Management* , 6(2): 190-198.

## Searching for Resources

Relevant Library of Congress **Subject Headings** for knowledge utilization in the social sciences/humanities:

- Industry and education
- Knowledge, Theory of
- Science – Research
- Science – Social Aspects
- Science and state
- Social Epistemology
- Technology and state
- Technology – Social Aspects
- Technology Transfer

Relevant **Keywords** for knowledge utilization in the social sciences/humanities:

- Critical Systems
- Epistemology
- Sociology of Knowledge
- Knowledge Application
- Knowledge Management
- Knowledge System
- Knowledge Utilization

Relevant Library of Congress **Call Numbers** for knowledge utilization in the social sciences/humanities:

- **BD143-237** - Speculative Philosophy: The phrase “Speculative Philosophy” represents a catch all phrase for many eclectic resources with Epistemology as its main theme. However, the section also includes valuable “Sociology of Knowledge” resources combined with cultural change, such as the Knowledge Society.
- **BD175** – Epistemology. Theory of Knowledge: The call number BD175 can be entered into most academic catalogues to retrieve similar results. Some important resources have been classified using this L.C. call number.
- **HM651** - Sociology of Knowledge: Represents a variety of resources concerning the knowledge economy and the knowledge society (which contains more implicit references and consequences for Knowledge Utilization.)
- **RA418** - Medical Sociology and Social Sciences related to Health.

**Sample search strategies** for finding information about knowledge utilization in the social sciences/humanities:

1. ABI Global Inform

Search for

“Knowledge Management Systems” *in* Title, Abstract, or Text

- a. Combine search #1 with the term “Knowledge System”
- b. Combine search #1 with the term “critical systems”

*Note:* Always be sure to review the article abstract carefully as many searches cannot distinguish between the Technical oriented and Sociological oriented content.

2. Library of Congress online

Search using Call # feature

Use “BD175” for a general search of the subject

3. Web of Science

- a. Use the term “Knowledge Utilization” in a general search using Title Only option.
- b. Use the term “Knowledge Utilization” in a general search without using Title only option.

### Key Bibliographic Databases

Key databases to search to retrieve citations about knowledge utilization in the social sciences and humanities:

- **ABI Inform:** Indexes and abstracts business journal and magazine articles from 1970.
- **Web of Science:** Multidisciplinary - provides access to the following citation databases:
  - Art & Humanities Citation Index® (1975-present)
  - Science Citation Index Expanded(TM) (1945-present)
  - Social Sciences Citation Index® (1956-present)
- **KUUC databases:** 1) Innovation & smart practices, 2) Dissemination & utilization of social sciences research; 3) Knowledge dissemination and utilization in health services; and 4) Utilization of evaluation research

### Key Journals

- *Science Communication*, formally known as *Knowledge: Creation, Diffusion, Utilization*

- *Knowledge and Society*
- *Journal of Knowledge Management*
- *Minerva*
- *Organization*
- *Research Evaluation*
- *Research Policy*
- *Scientometrics*
- *Social Science and Medicine*
- *Social Science Information*
- *Social Studies of Science*
- *Studies in Higher Education*
- *Technology Analysis & Strategic Management*

### Special Journal Issues

- Knowledge Management. 1998. *California Management Review*, 40(3).
- Post Normal Science. 1999. *Futures*, 31(7).

### Books/Monographs

Cronin, B. (Ed.). [2004]. *Annual review of information science and technology*. Medford, NJ: ASIS&T.

Etzkowitz, H. 2002. *Mit and the rise of entrepreneurial science*. New York: Routledge.

Etzkowitz, H., Webster, A., & Healey, P. 1998. *Capitalizing knowledge: New intersections of industry and academia*. Albany, NY: State University of New York Press.

Feather, J., & Sturges, R.P. 2003. *International encyclopedia of information and library science*. 2<sup>nd</sup> Edition. New York: Routledge.

Gibbons, M. 2000. *New Production of knowledge: Dynamics of science and research in contemporary societies*. London: Sage publications.

Holzner, B., & Marx, J.H. 1979. *Knowledge application: The knowledge system in society*. Boston, Mass.: Allyn and Bacon.

Knorr Cetina, K. 1999. *Epistemic cultures: How the sciences make knowledge*. Cambridge, Mass.: Harvard University Press.

Nowotny, H., Scott, P., & Gibbons, M. 2001. *Re-thinking science: Knowledge and the public in an age of uncertainty*. Cambridge: Polity Press.

Senge, P. 1990. *The fifth discipline: The art and practice of the learning organization*. New

York: Double Day.

Szulanski, G. 2003. *Sticky knowledge: Barriers to knowing in the firm*. London: Sage Publications.

## Key Players

Author	General Area of Expertise
Dunn, William	Sociology, Education, and Policy
Havelock, Ronald G.	Various Knowledge Perspectives
Holzner, Burkhardt	Sociology of Knowledge
Gibbons, Michael	Sociology, Knowledge Theory, Knowledge Society Best Known for "Mode 2 Knowledge Production" theory
Larsen, Judith K.	Policy and Social Sciences
Rich, Robert	Social Sciences and relation to policy
Weiss, Carol H.	Education and Policy

## Internet Resources

National Centre for the Dissemination of Disability Research (NCDDR)  
*A Review of the Literature on Dissemination and Knowledge Utilization*  
<http://www.ncddr.org/du/products/review/review12.html#top>

## 4. ORGANIZATION STUDIES

### Introduction

This section of the knowledge utilization resource guide provides information related to resources about knowledge utilization as it applies to business and organization studies. In particular, this guide provides reference to key resources in the area and helpful tips for finding resources, but is not a complete listing of all of the resources in this field of study.

### Primer

Blackler, F. 1995. Knowledge, knowledge work and organizations: An overview and interpretation. *Organization Studies*, 16(6): 1021-1046.

Brown, J.S., & Duguid, P. 1991. Organizational learning and communities-of-practice: Toward a unified view of working, learning and innovation. *Organization Science*, 2: 40-57.

Brown, J.S., & Duguid, P. 2001. Knowledge and organization: A social-practice perspective. *Organization Science*, 12(2): 198-213.

Cook, S.D.N., & Brown, J.S. 1999. Bridging epistemologies: The generative dance between organizational knowledge and organizational knowing. *Organization Science*, 10(4): 381-400.

Denis, J.L., Hebert, Y., Langley, A., Lozeau, D., & Trottier, L.H., 2002. Explaining diffusion patterns for health care innovations. *Health Care Management Review*, 27(3): 60-73.

Frenk, J. 1992. Balancing relevance and excellence: Organizational responses to link research with decision making. *Social Science and Medicine*, 35: 1397-1404.

Gheradi, S., & Nicolini, D. 2000. The organizational learning of safety in communities of practice. *Journal of Management Inquiry*, 9(1): 7-18.

Golden-Biddle, K., Reay, T., Petz, S., Witt, C., Casebeer, A., Pablo, A., & Hinings, C.R. 2003. Toward a communicative perspective of collaborating in research: The case of the researcher- decision-maker partnership. *Journal of Health Services Research and Policy*, 8(4) Suppl 2: 20-25.

Langley, A. 1999. Strategies for theorizing from process data. *Academy of Management Review*, 24(4): 691-711.

Orlikowski, W. 2002. Knowing in practice: Enacting a collective capability in

distributed organizing. *Organization Science*, 13(3): 249-273.

## Searching for Resources

Relevant Library of Congress **Subject Headings** for knowledge utilization in organization studies:

- Organizational change
- Organizational learning
- Diffusion of innovations
- Knowledge management
- Intellectual capital

Relevant **Keywords** for knowledge utilization in organization studies:

- Knowledge utilization
- Research utilization
- Innovation diffusion
- Knowledge network
- Evidence-based decision-making
- Evidence-based practice
- Learning organization
- Communities of practice
- Organizational routines
- Knowledge transfer
- Knowledge translation

Relevant **Call Numbers** for knowledge utilization in organization studies:

- **HD28-70** - Management. Industrial management
- **HD58.7-58.95** - Organizational behavior, change and effectiveness. Corporate culture

Sample **search strategy** for finding information about knowledge utilization:

1. (knowledge or research or innovation\* or evidence) limited to title
2. (utilize\* or utilis\* or update or transfer\* or translation or implement\* or disseminat\* or diffus\* or learn\*) limited to title
3. Diffusion of Innovation
4. Organizational Change
5. (organiz\* or organis\*) limited to title
6. 1 and 2
7. 3 or 6

8. 4 or 5
9. 7 and 8

Limit above by items of interest (language, years, type of article). Or try to search by key authors as per list below.

## Key Bibliographic Databases

Key databases to search to retrieve citations about knowledge utilization in business and organization studies:

- **Business Source Premier:** Indexes and abstracts scholarly journal articles covering most subject areas related to business.
- **ABI Inform:** Indexes and abstracts business journal and magazine articles from 1970.
- **Academic Search Premier:** Multidisciplinary – indexes and abstracts articles from over 4,000 scholarly journals in a variety of disciplines.
- **Web of Science:** Multidisciplinary - provides access to the following citation databases:
  - Art & Humanities Citation Index® (1975-present)
  - Science Citation Index Expanded(TM) (1945-present)
  - Social Sciences Citation Index® (1956-present)
- **JSTOR:** Multidisciplinary - contains academic journals in the Humanities, Social Sciences, and Sciences.
- **Knowledge Utilization Database (KUUC Database):** contains documents on knowledge utilization, innovation & smart practices, and policy & management of health services.  
<http://www.kuuc.chair.ulaval.ca/english/master.php?url=bibliographie.php>

## Key Journals

- *Organization Science*
- *Academy of Management Journal*
- *Administrative Science Quarterly*
- *Academy of Management Review*
- *Organization Studies*

## Special Journal Issues

- Researcher: Decision-maker partnerships. 2003. *Journal of Health Services Research & Policy (JHSRP)*, 8(4): Suppl 2.
- Knowledge, knowing and organization. 2002. *Organization Science*, 13(3).

## Books/Monographs

Beal, G.M., Dissanayake, W., & Konoshima, S. 1986. *Knowledge generation, exchange, and utilization*. Boulder: Westview Press.

Bontis, N., & Choo, C.W. 2002. *Strategic management of intellectual capital & organizational knowledge*. Oxford: Oxford University Press.

Choo, C.W. 1998. *The knowing organization: How organizations use information to construct meaning, create knowledge, and make decisions*. New York: Oxford Press University.

Czarniawska - Joerges, B., & Sevón, G. 1996. *Translating organizational change*. New York: Walter de Gruyter.

Nonaka, I., & Takeuchi, H. 1995. *The knowledge creating company: How Japanese companies create the dynamics of innovation*. New York: Oxford University Press.

Van de Ven, A.H., Angle, H.L., & Poole, S. (Eds.). 2000. *Research on the management of innovation*. Oxford: Oxford University Press.

## Key Players

- Blackler, F.
- Brett, J.L.
- Brown, John Sealy
- Davies, H.T.O.
- Davenport, Thomas H.
- Ferlie, E.
- Denis, J.L.
- Duguid, Paul
- Feldman, M.S.
- Ferlie, E.
- Fitzgerald, L.
- Gherardi, S.
- Golden-Biddle, Karen
- Langlely, Ann
- Le May, Andrée
- Nicolini, D.
- Nonaka, I.
- Orlikowski, Wanda
- Szulanski, Gabriel
- Wood, M.
- van de Ven, A.H.
- Yanow, D.



## Centres, Associations and Funding Agencies

Centre for Knowledge Transfer

<http://www.ckt-ctc.ca/>

Canadian Research Transfer Network

<http://www.research-transfer.org>

Canadian Health Sciences Research Foundation

<http://www.chsrf.ca/>

Canadian Institutes of Health Research

<http://www.cihr-irsc.gc.ca/index.shtml>

SEARCH - Swift Efficient Application of Research in Community Health

<http://www.ahfmr.ab.ca/search.shtml>

Health Research Transfer Network of Alberta

<http://www.ahfmr.ab.ca/rtna/>

## Research Groups

Health Organization Studies, University of Alberta

<http://www.bus.ualberta.ca/hos/>

Health Organization Change, University of Alberta

<http://www.healthorgchange.com/>

KU-UC: Knowledge Utilization Database, University of Laval

<http://kuuc.chair.ulaval.ca/>

## Internet Resources

Knowledge Board

<http://www.knowledgeboard.com>

Glossary for Knowledge-based Institutions

<http://www.intervista-institute.com/resources/glossary.html>

## 5. POLICY STUDIES

### Introduction

This section of the knowledge utilization resource guide provides information related to resources about knowledge utilization as it applies to policy-making and policy issues.

This guide provides reference to key resources in the area and tips to finding resources, but it is not a complete listing of all the resources in this field of study.

### Primer

Booth, T. 1990. Researching policy research: Issues of utilization in decision making. *Knowledge: Creation, Diffusion, Utilization*, 12: 80-100.

Denis, J-L., Lehoux, P., Hivon, M., & Champagne, F. 2003. Creating a new articulation between research and practice through policy? The views and experiences of researchers and practitioners. *Journal of Health Services Research and Policy*, 8(4) Suppl 2: 44-50.

Elliot, H., & Popay, J. 2000. How are policy makers using evidence? Models of research utilization and local NHS policy making. *Journal of Epidemiology and Community Health*, 54: 461-468.

Hanney, S.R., Gonzalez-Block, M.A., Buxton, M.J., & Kogan, M. 2003. The utilization of health research in policy-making concepts, examples and methods of assessment. *Health Research Policy and Systems*, 1(2): 1-28. Accessed 23 Nov 2003.  
<http://www.health-policy-systems.com/content/1/1/2>

Innvaer, S., Vist, G.E., Trommald, M., & Oxman, A.D. 2002. Health policy-makers' perceptions of their use of evidence: A systematic review. *Journal of Health Services Research & Policy*, 7: 239-244.

Kerr, D.H. 1981. Knowledge utilization: Epistemology and political assumptions. *Knowledge: Creation, Diffusion, Utilization*, 2(4): 483-501.

Lavis, J.N., Ross, S.E., Hurley, J.E., et al. 2002. Examining the role of health services research in public policymaking. *The Milbank Quarterly*, 80: 125-154.

Lavis, J.N. 2003. Knowledge transfer and exchange: The challenge for research organizations. Presentation at the Centre for Health Economics and Policy Analysis (CHEPA) Advisory Council meeting, Toronto, ON, Canada, 12 May 2003. Accessed 5 Nov 2003.  
[http://www.researchtopolicy.ca/presentations/slides\\_29\\_knowledgeexchange\\_chepa\\_2003-05-12.pdf](http://www.researchtopolicy.ca/presentations/slides_29_knowledgeexchange_chepa_2003-05-12.pdf)

Lomas, J. 2000a. Connecting research and practice. *ISUMA*, 1(1): 140-144.

Lomas, J. 2000b. Using 'linkage and exchange' to move research into policy at a Canadian foundation. *Health Affairs*, 19(3): 236-240.

Webber, D.J. (1991). The distribution and use of policy knowledge in the policy process. *Knowledge & Policy*, 4(4): 6-35.

## **Books/Monographs**

Muir Gray, J.A. 2001. *Evidence based healthcare: How to make policy & management decisions*. 2<sup>nd</sup> Edition. Edinburgh, U.K.: Churchill Livingstone.

Sabatier, Paul A., & Jenkins-Smith, H.C. 1993. *An advocacy coalition approach*. Boulder, Colorado. Westview Press.

## **Key Journals**

- *Health Affairs*
- *Journal of Health Services Research & Policy*
- *The Milbank Quarterly*
- *Policy Options*
- *Research Policy*
- *Social Science & Medicine*
- *International Journal of Policy Analysis & Evaluation*

## **Key Bibliographic Databases**

- **PAIS International:** Index to public and social policy, social sciences.
- **International Political Science Abstracts:** Indexes and abstracts international political science articles.
- **Social Science Abstracts:** Indexes over 400 international periodicals in the social sciences.
- **MEDLINE:** Biomedical and health sciences journal literature.
- **EconLit:** Indexes a variety of economic literature types.

## **Key Players**

- Baird, Patricia A.
- Beyer, J.M.
- Caplan, Nathan
- Coleman, David
- Dunn, William N.
- Gunn, Lewis

- Hogwood, Brian
- Kogan, Maurice
- Landry, Rejean
- Lavis, John
- Lewis, Steven
- Lomas, Jonathan
- Oh, Cheol H.
- Rachlis, Michael
- Rich, Robert F.
- Sabatier, Paul A.
- Scott, Alister
- Tuohy, Carolyn J.
- Weiss, Carol H.

### **Centres, Research Organizations and Funding Agencies**

Program in Policy Decision Making (ppd)

<http://www.researchtopolicy.ca>

Canadian Policy Research Networks (CPRN)

<http://www.cprn.com/>

Centre for Health and Policy Studies (CHAPS), U of C

<http://www.chaps.ucalgary.ca/>

Centre for Health Services & Policy Research

<http://www.chspr.ubc.ca/index.htm>

Institute for Research on Public Policy

<http://www.irpp.org/>

Manitoba Centre for Health Policy, University of Manitoba

<http://www.umanitoba.ca/centres/mchp/>

CHEPA - Centre for Health Economics and Policy Analysis

<http://www.fhs.mcmaster.ca/ceb/acts/chepa.htm>

Centre for Evidence-Based Public Health Policy

<http://www.msoc-mrc.gla.ac.uk/evidence/evidence.html>

Evidence Network (UK)

<http://www.evidencenetwork.org/>

Centre for Evidence-Based Public Health Policy (UK)  
<http://www.msoc-mrc.gla.ac.uk/evidence/evidence.html>

Centre for Health Policy, Law and Management (US)  
<http://www.hpolicy.duke.edu/>

Institute for Health Care Research and Policy (US)  
<http://www.georgetown.edu/research/ihrp/index.html>

Moving Ideas Electronic Policy Network (US)  
<http://movingideas.org/about>

Synthesis Project (US)  
<http://www.rwif.org/publications/synthesis/index.html>

Alliance for Health Policy and Systems Research (AHPsr), World Health Organization  
<http://www.alliance-hpsr.org>

Getting Research into Policy and Practice (GRIPP)  
<http://www.jsiuk-gripp-resources.net/gripp/>

Canadian Research Transfer Network  
<http://www.research-transfer.org>

Canadian Health Sciences Research Foundation  
<http://www.chsrf.ca/>



knowledge utilization &  
policy implementation