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Published article:

Ward, V, House, A and Hamer, S (2009) *Developing a framework for transferring knowledge into action: a thematic analysis of the literature*. *Journal of Health Services Research and Policy*, 14 (3). 156 - 164.

<http://dx.doi.org/10.1258/jhsrp.2009.008120>

	Source	Details
1	Aita, M., M. C. Richer, et al. Illuminating the processes of knowledge transfer in nursing. <i>Worldviews on Evidence-Based Nursing</i> . 2007; 4(3): 146-155.	Two models are presented: the problem solving model and the linkage model
2	Anderson, M., et al., The use of research in local health service agencies. <i>Social Science & Medicine</i> . 1999; 49(8): 1007-1019.	A model for research transfer development
3	Berwick, D. M. Disseminating Innovations in Health Care. <i>Journal of the American Medical Association</i> . 2003; 289(15): 1969-1975.	Recommendations for health care executives who want to accelerate the rate of diffusion of innovations within their organizations
4	Chunharas, S. An interactive integrative approach to translating knowledge and building a "learning organization" in health services management. <i>Bulletin of the World Health Organization</i> , 2006; 84(8): 652-7.	Highlights various dimensions that determine the complexity of knowledge translation
5	Davis, D., M. Evans, et al. The case for knowledge translation: shortening the journey from evidence to effect. <i>British Medical Journal</i> . 2003; 327(7405): 33-35.	Pathman-PRECEED model for knowledge translation
6	Dobbins, M., D. Ciliska, et al. A framework for the dissemination and utilization of research for health-care policy and practice. <i>Online Journal of Knowledge Synthesis for Nursing</i> . 2002; 9(7).	A framework for research dissemination and utilization
7	Dobrow, M. J., V. Goel, et al. The impact of context on evidence utilization: A framework for expert groups developing health policy recommendations. <i>Social Science & Medicine</i> . 2006; 63(7): 1811-1824.	A conceptual framework for the consideration of evidence and context in the development of health policy recommendations.
8	Elliott, H. and Popay, J. How are policy makers using evidence? Models of research utilisation and local NHS policy making. <i>Journal of Epidemiology and Community Health</i> . 2000; 54(6): 461-468.	Three alternative models for research utilisation: problem solving model; interactive model; dialogical model
9	Graham, I. D., J. Logan, et al. Lost in knowledge translation: Time for a map? <i>Journal of Continuing Education in the Health Professions</i> . 2006; 26(1): 13-24.	Knowledge to action framework
10	Greenhalgh, T. and et al. Diffusion of innovations in service organizations: systematic review and recommendations. <i>Milbank Quarterly</i> . 2004; 82(4): 581-629.	A conceptual model for considering the determinants of diffusion, dissemination and implementation
11	Grol, R. and J. Grimshaw Evidence based implementation of evidence based medicine. <i>Joint Commission Journal on Quality Improvement</i> . 1999; 25(10): 503-513.	A framework for changing implementation behaviour
12	Havelock, R. G. et al. Planning for Innovation: A Comparative Study of the Literature on the Dissemination and Utilization of Scientific Knowledge. 1969	A framework based on the factors related to successful dissemination and utilization
13	Huberman, M., Research utilization: the state of the art. <i>Knowledge and policy</i> . 1994; 7(4): 13-33	A theory to practice model based on the relationship between diffuser and user
14	Jacobson, N., D. Butterill, et al. Development of a framework for knowledge translation: understanding user context. <i>Journal of Health Services Research and Policy</i> . 2003; 8(2): 94-99.	A framework for increasing familiarity between researchers and users
15	Kitson, A., J. Rycroft Malone, et al. Evaluating the successful implementation of evidence into practice using the PARIHS framework: theoretical and practical challenges. <i>Implementation Science</i> . 2008; 3(1).	A framework for promoting action on research implementation in health services (PARIHS)
16	Kramer, D. M. and Cole, D. C. Sustained, Intensive Engagement to Promote Health and Safety Knowledge Transfer to and Utilization by Workplaces. <i>Science Communication</i> . 2003; 25(1): 56-82.	A conceptual framework for research knowledge transfer and utilization
17	Kramer, D. M. and Wells, R. P. Achieving Buy-In: Building Networks to Facilitate Knowledge Transfer. <i>Science Communication</i> . 2005; 26(4): 428-444.	A conceptual framework for building interorganisational networks
18	Lavis, J. N. Research, public policymaking, and knowledge-translation processes: Canadian efforts to build bridges. <i>Journal of Continuing Education in the Health Professions</i> . 2006; 26(1): 37-45.	Identification of five knowledge transfer processes
19	Lavis, J. N., Robertson, D., et al. How Can Research Organizations More Effectively Transfer Research Knowledge to Decision Makers? <i>The Milbank Quarterly</i> . 2003; 81: 221	A framework for knowledge transfer
20	Lester, J. P. The utilization of policy analysis by state agency officials. <i>Science Communication</i> . 1993; 14(3): 267-290.	A conceptual model of knowledge utilization
21	Logan, J & Graham, I, Toward a comprehensive interdisciplinary model of health care research use. <i>Science Communication</i> . 1998; 20(2): 227-246	The Ottawa model of healthcare research use)
22	Nieva, V., R. Murphy, et al. From Science to Service: A Framework for the Transfer of Patient Safety Research into Practice. <i>Advances in Patient Safety: From research to implementation</i> . Volume 2. 2005	A conceptual framework to help maximize and accelerate the transfer of research results
23	Oldham G, McLean R. Approaches to Knowledge-Brokering. 1997.	A knowledge system framework

24	Rich, R. F. Measuring knowledge utilization process and outcomes. <i>Knowledge and Policy</i> . 1997; 10(3), 3-10.	A model of the utilization process
25	Rogers, E.M <i>Diffusion of Innovations</i> , New York: Free Press, 2003	A theoretical model of the diffusion of innovations
26	Swinburn, B., T. Gill, et al. Obesity prevention: a proposed framework for translating evidence into action. <i>Obesity Reviews</i> . 2005; 6(1): 23-33.	A practical framework for translating evidence into action
27	Tugwell, P., V. Robinson, et al. Systematic reviews and knowledge translation. <i>Bulletin of the World Health Organization</i> . 2006; 84(8): 643-651.	A cascade for equity-oriented knowledge translation
28	Walter, I., S. Nutley, et al. What works to promote evidence-based practice? A cross-sector review. <i>Evidence & Policy</i> . 2005; 1: 335-364.	Identifies five key mechanisms for promoting the use of research in practice

Table 1
Details of the 28 models explaining the process of transferring knowledge into action

Pathman-PRECEED model for knowledge translation

Intervention	Perspective of target (policy maker, consumer or clinician)			
	Awareness	Agreement	Adoption	Adherence
Predisposing	Distribution of printed information; journals; media campaigns; lectures, rounds; academic detailing			
Enabling		Opinion leaders; small group sessions for clinicians	Small group sessions for clinicians; patient education methods; clinical flowcharts or algorithms; academic detailing	
Reinforcing			Small group sessions for audit and feedback	Reminders (professional and patient), multiple interventions

Table 2

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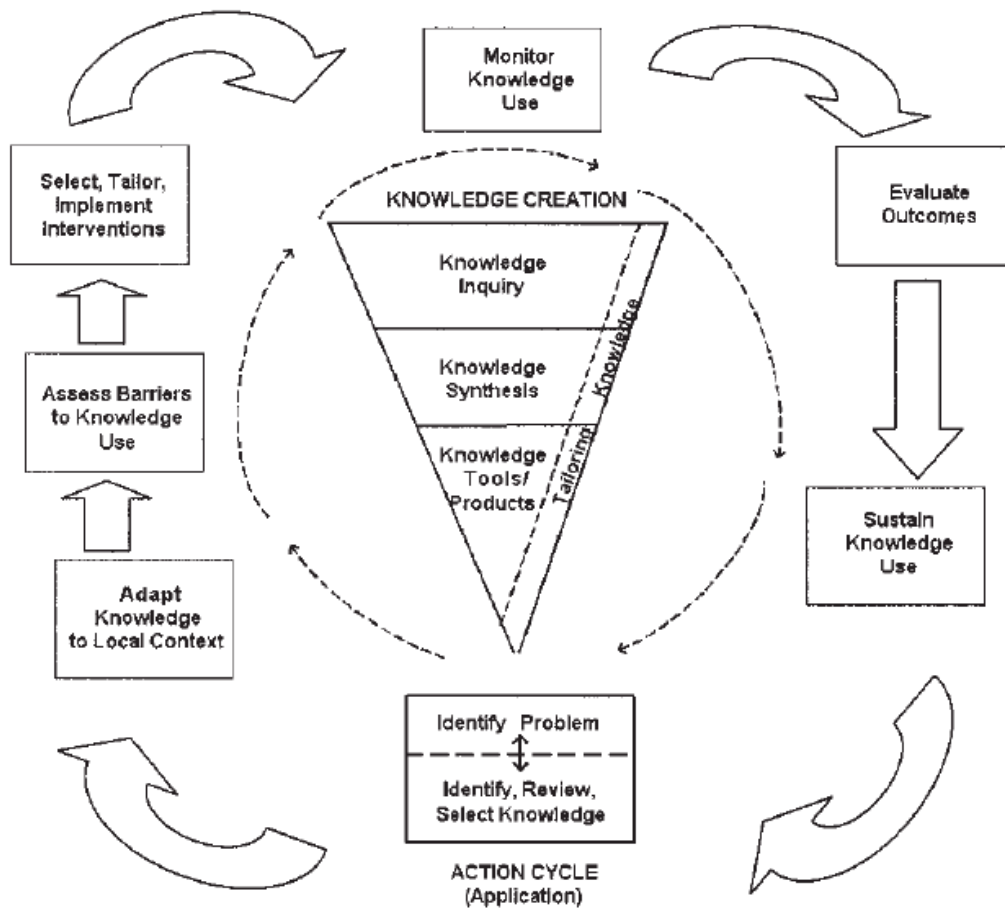


Figure 1
 Reproduced with permission from Graham ID, Logan J, Harrison MB, Straus SE, Tetroe J, Caswell W, et al. Lost in knowledge translation: Time for a map? *Journal of Continuing Education in the Health Professions*. 2006;26(1):13-24

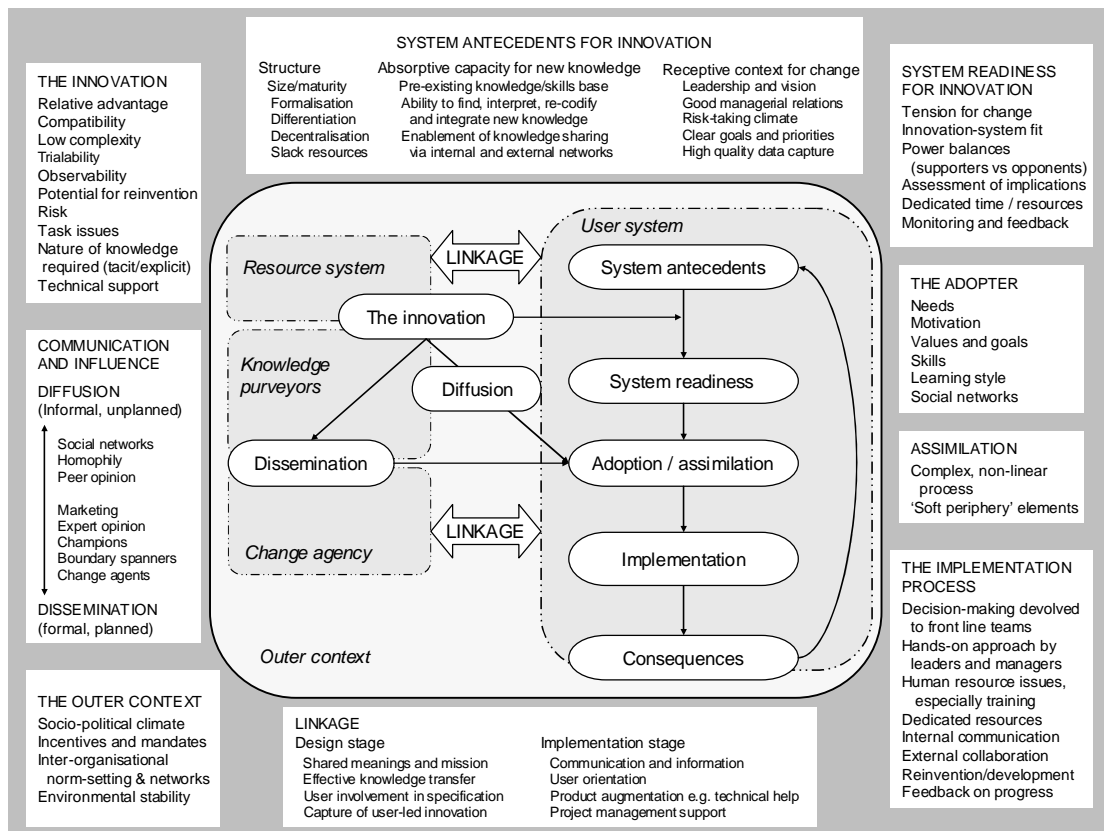


Figure 2
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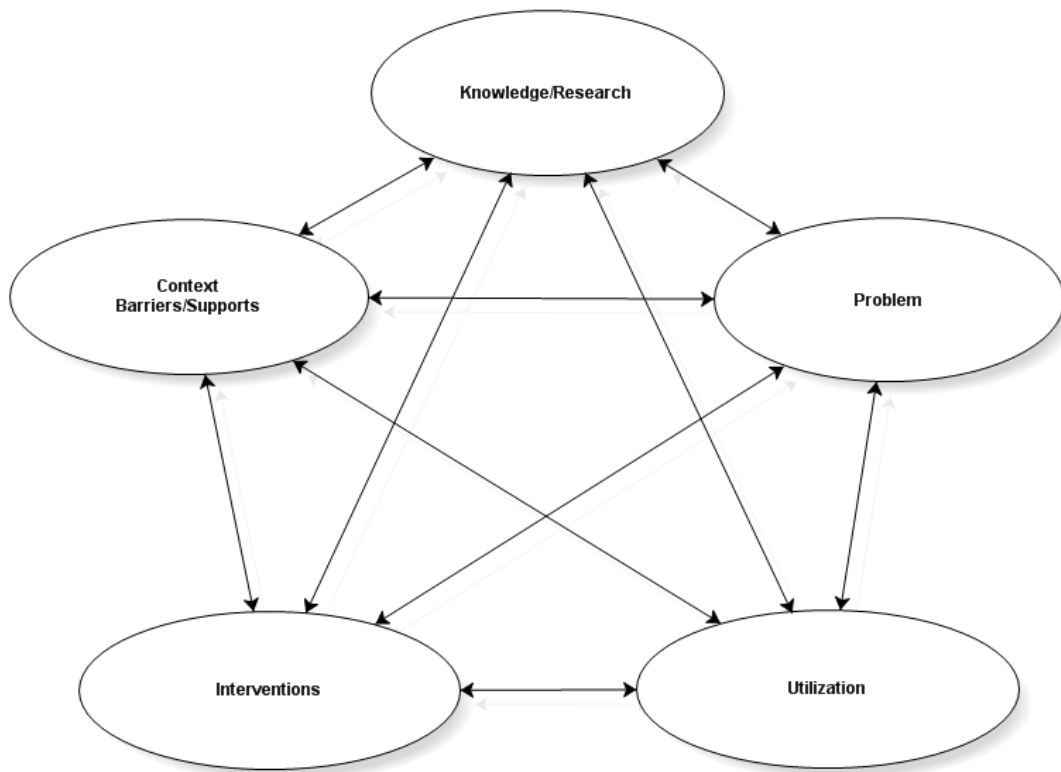


Figure 3
Conceptual framework of the knowledge transfer process