

Integrated Knowledge Translation with Public Health Policy Makers: A Scoping Review

Application des connaissances intégrée auprès des décideurs en santé publique :
un examen de la portée de la littérature

LOGAN M. LAWRENCE, ANDREA BISHOP AND JANET CURRAN

Appendix A: Search Strategy

Search terms	PubMed	CIHANL	EMBASE
KT Research	Headings:* N/A Keywords and phrases: "Translational Medical Research" [tw] OR "Comparative Effectiveness Research" [tw] OR knowledge translation[tw] OR diffusion of innovation[tw] OR research dissemination[tw] OR translational research[tw] OR translational medicine[tw] OR quality improvement[tw] OR implementation science[tw] OR implementation research[tw]	Headings: MH "Diffusion of Innovation" Keywords and phrases: 1. AB "evidence-based practice" OR TI "evidence-based practice" 2. AB "action research" OR TI "action research" 3. AB "participatory research" OR TI "participatory research" 4. TI (Knowledge or research or science or evidence or guideline*) N2 (utiliz* or utilis* or uptake or transfer or translat* or transmit* or transmission or effectiveness or exchange or synthes* or transform* or linkage* or disseminat* or implementation or exchange) 5. AB (Knowledge or research or science or evidence or guideline*) N2 (utiliz* or utilis* or uptake or transfer or translat* or transmit* or transmission or effectiveness or exchange or synthes* or transform* or linkage* or disseminat* or implementation or exchange) 6. MH "Diffusion of Innovations" 7. S1 OR S2 OR S3 OR S4 OR S5 OR S6	Headings: "Diffusion of innovation/ exp" Keywords and phrases: 1. ([knowledge OR research OR science OR evidence OR guideline*]) NEAR/2 (utiliz* OR utilis* OR uptake OR transfer OR translat* OR transmit* OR transmission OR effectiveness OR exchange OR synthes* OR transform* OR linkage* OR disseminat* OR implementation OR exchange):ab,ti 2. "action research":ab,ti 3. "participatory research":ab,ti 4. "evidence-based practice":ab,ti 5. "diffusion of innovation"/exp 6. #1 OR #2 OR #3 OR #4 OR #5
Public Health	Headings: 1. "public health"[MeSH] Keywords and phrases: 2. population health[tw] OR community health[tw] OR "public health"[tw] OR health promotion[tw] OR delivery of healthcare[tw] OR delivery of health care[tw]	Headings: 1. MH "Public health" Keywords and phrases: 2. (Population OR public OR community OR promotion*) N2 (health* OR "health care" OR healthcare) 3. 1 OR 2	Headings: 1. "Public health"/exp Keywords and phrases: 2. ([population OR public OR community OR promotion*] NEAR/2 [health* OR "health care" OR healthcare]):ab,ti
Policy and Decision Making	Headings: 1. Consumer Participation [MeSH:noexp] OR "Community-Based Participatory Research"[Mesh] Keywords and phrases: 2. decision maker*[tw] OR policy maker*[tw] OR stakeholder*[tw]	Headings: 1. MH "Decision Making" Keywords and phrases: 2. (Decision OR policy) N2 (administrat* OR stakeholder* OR maker*)	Headings: (combine w OR) 1. decision making/exp Keywords and phrases: 2. ([decision OR policy] NEAR/2 (administrat* OR stakeholder* OR maker*)):ab,ti 3. #1 OR #2

* Search terms were combined with "AND" operator. Search results were limited by year (2005–2017). Citation information was imported into Refworks and de-duped.

Title/Abstract Screening

Inclusion:

- Describe decision- or policy makers as knowledge users (i.e., acting in a capacity to make practice changes that extend beyond themselves); “stakeholders” or “community members” pulled for further screening to determine role
- Public Health-Related (as per Robeson et al., 2010, p. 2: “the scope of public health practice includes prevention of chronic conditions, communicable diseases, and injury, as well as the protection and promotion of the health of the population”)
- Primary Research (quantitative or qualitative)
- Design: Experimental, protocol, review
- English language

Exclusion:

- Not health related
- Only clinicians and/or patients involved as knowledge users
- Editorial or commentary (does not include any data specific to a given iKT study)

Full Text Screening

INCLUSION:

- Describe their work as “integrated knowledge translation”
- Involve someone in a decision-making role (e.g., policy maker, decision-maker, administrator) as knowledge user and describe their contribution to the research

EXCLUSION:

- Did not discuss primary iKT research (e.g., review or introduction article)
- Pertained to clinical care rather than public health

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Appendix B

TEMPLATE

Title	
Authors	
Year	
Journal	
Country	
Objective	
Design	
Setting	
PDM*	
Other KUs	
Type	(Project, Protocol, or Overview)
Outcomes	

* Policy or Decision-Maker

iKT Attribute		Role of Knowledge User (PDM) (No, unlikely, unclear, likely, yes)
1. Developing the RQ		
2. Informing the methodology		
3. Collecting and analyzing data		
Interpret	4. Interpreting results	
	5. Crafting the overall message	
Uptake	6. Moving research into practice	
	7. Developing recommendations and identifying audiences for dissemination	

iKT Reference:

iKT Activities:

Challenges:

Facilitators:

Value of iKT:

Cons of iKT:

Additional Salient Features:

ADDITIONAL QUESTIONS

KU Background	
Past relationship	
Relevancy of research to KU/ larger context (why are they part of the team?)	
Clarity of terminology/ concepts/role	
Describe value of KT to KUs (did they need convincing?)	
Who approached whom? (KU-initiated?)	
Ability of KU to act on research (weak/mod/strong?)	
Ongoing Involvement	
KUs bring expertise to research project	
Evolving methodology	
Managing issues/disagreement	
Barriers to collaboration	
Facilitators to collaboration	
Future Relationship, Impact of Research	
Future direction of the relationship?	
Development of trust	
Mutual learning	
Evaluation plan to assess process of iKT	
Extent of findings transferability	