Patient Oriented Research Grants Boot Camp

Knowledge Translation

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Knowledge translation:

- Know-do gap
- Bench to bedside

Integrated KT (iKT):

- Makes research relevant to the people who will use it

- Knowledge users involved as equal partners

- Opportunities for collaboration exist throughout
  - Not just at the end of your project!

Knowledge User:

- Someone who actually uses the results of your research to make decisions

Research to recess: Evaluating the effectiveness of a school-based knowledge translation program for grade 3 students

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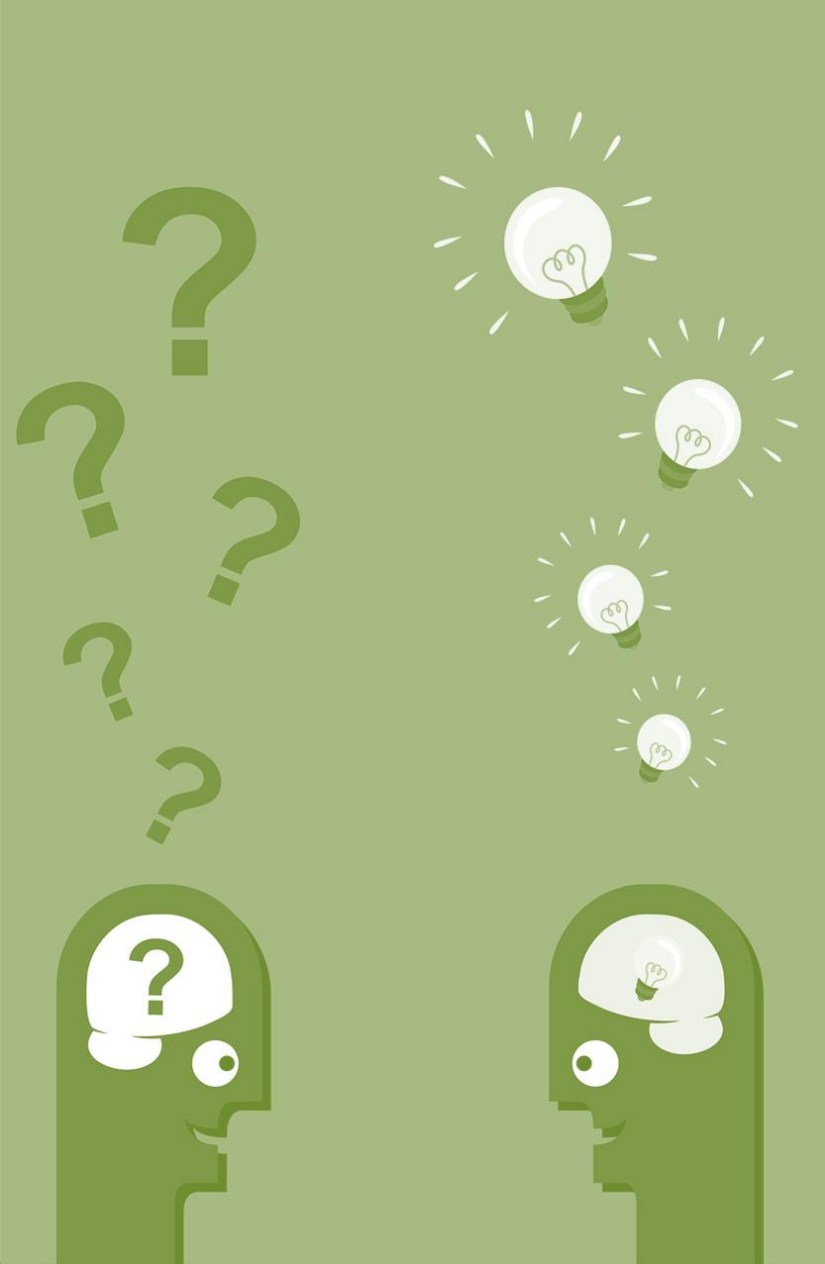
Who are the knowledge users?

Four Factors to Consider:

1. Research question
2. Research approach
3. Feasibility
4. Outcomes

Research Question:

- What are the needs or gaps identified by knowledge users?

Health researchers often:
- Struggle to communicate results to the public
- Are required to do KT

Teachers/Administrators/Department of Education/NLTA need to:
- Meet curriculum objectives
- Provide engaging and varied learning opportunities

Faculty of Education identified:
- The need for enrichment programming to complement curriculum objectives
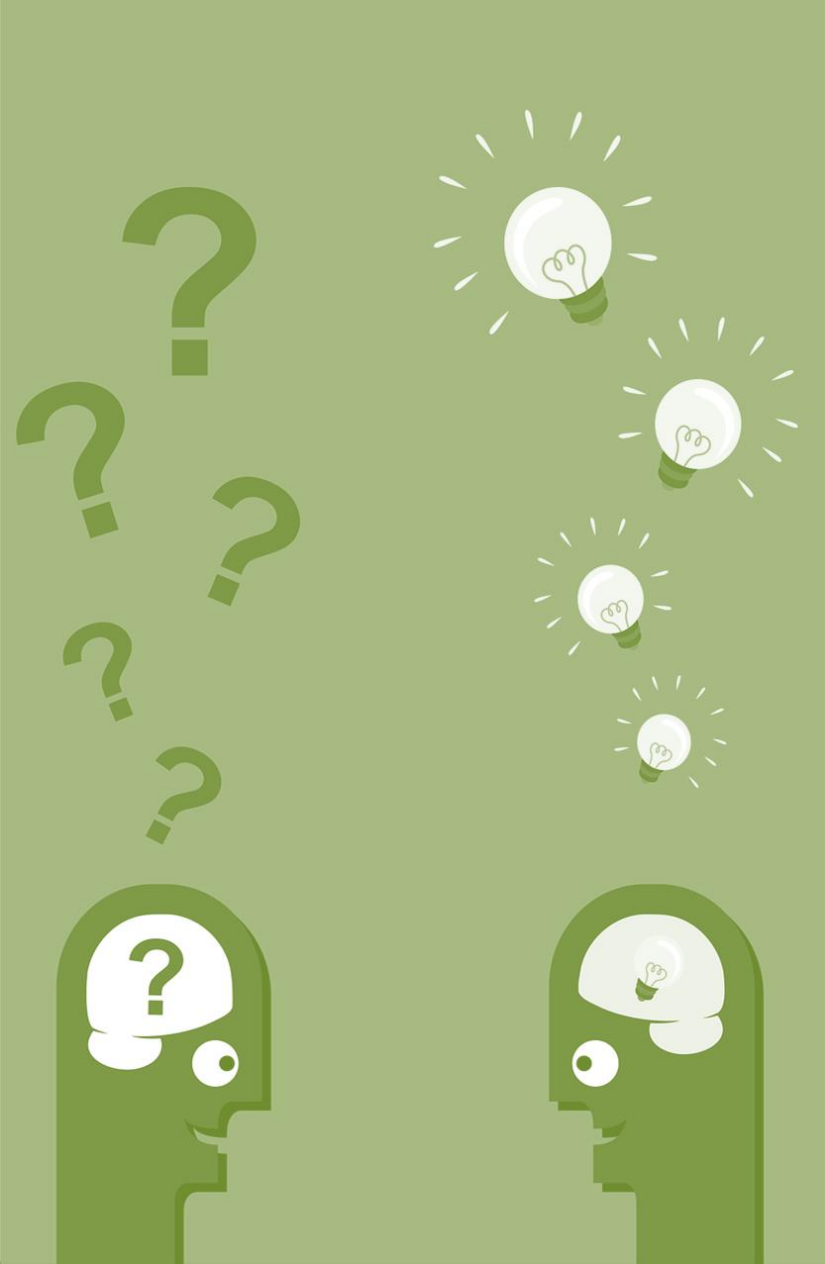
Research Question:

Does a school-based knowledge translation program effectively deliver results of research to a grade 3 audience?

Does this research question consider all of the knowledge user groups?

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Research Approach:

- How can knowledge users be meaningfully involved throughout the process?

Knowledge Users:

- Teachers
- School administrators/Department of Education/Newfoundland and Labrador Teachers' Association
- Faculty of Education
- Health researchers

Research Approach:

How can the Knowledge Users be meaningfully engaged throughout the project?

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Feasibility:

- Do you have the right team, level of commitment, and resources to finish the project on time?

Knowledge Users:

- Teachers
- School administrators/Department of Education/Newfoundland and Labrador Teachers' Association
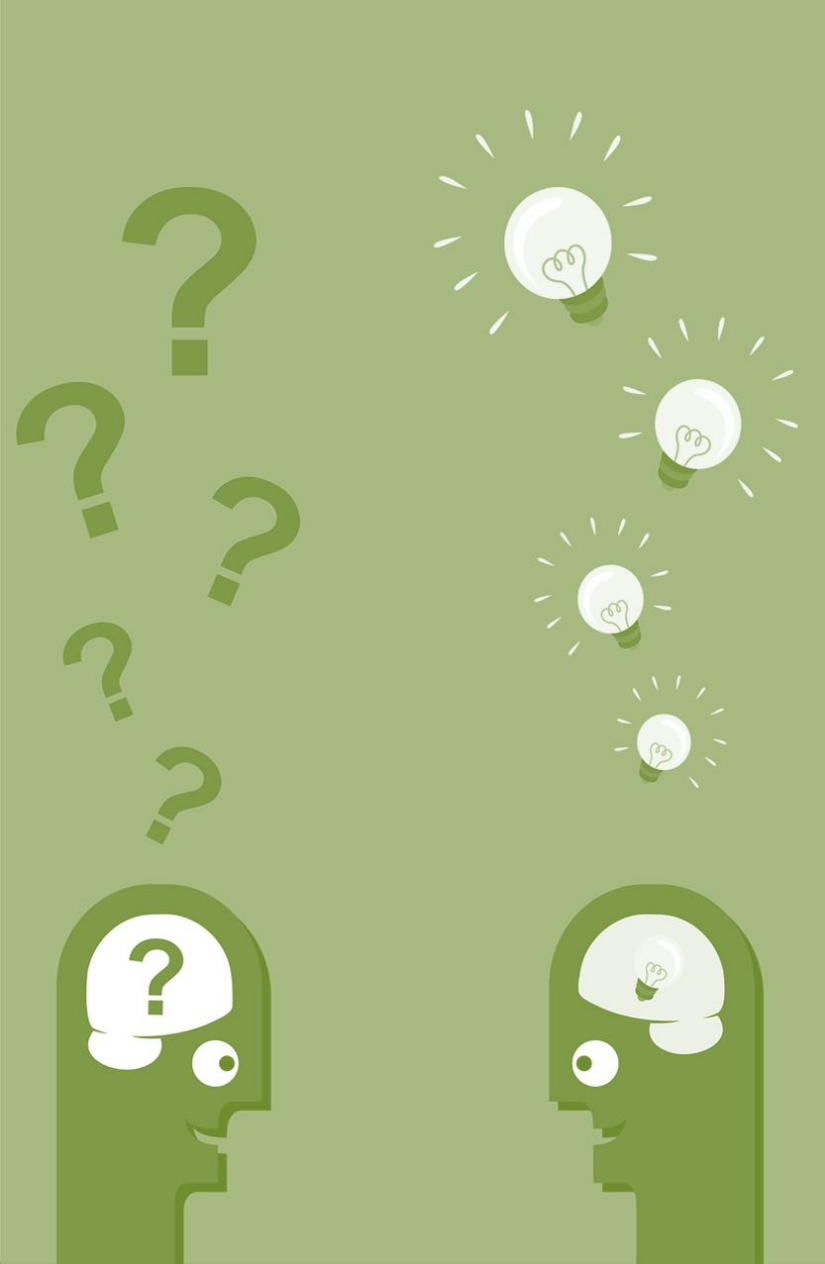- Faculty of Education
- Health researchers

Feasibility:

How can the research team encourage long-term commitment from each of the Knowledge User groups?

Outcomes:

- Will the research have a real impact and ultimately lead to sustainable improvements in health outcomes?

Outcome:

We expect that the program will deliver an effective means to:
- Achieve health curriculum objectives,
- provide knowledge translation for ongoing health research projects, and
- engage students in a novel learning opportunity

amongst grade 3 students at 3 schools in the metro region.

Is this program transferrable?

How would you do this?

Who would you approach?

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Plain Language Tips:

- Avoid jargon
- Use accessible language
    - Educated non-expert (grade 9 – 10)
    - General public (grade 6)
- Keep sentences short
- Avoid or explain abbreviations
- Use the active voice
- Focus on key messages

Example 1:

Before: Recovery time in hospital and therefore healthcare expenditure can be minimized for elective colon resections if best practice (ERAS) surgical guidelines are followed.

After: When best practice (ERAS) guidelines are followed, patients who have had colorectal surgery can return home sooner. Less time in hospital also means less money spent by the healthcare system.

Example 2:

Before: Make 1-2 year, 2-3 year, 3-5 year and >5 year screening recommendations based off pedigree information.

After: Create a tool that will make CRC screening recommendations based on a variety of risk factors. Screening intervals will be 1-2 years, 2-3 years, 3-5 years and >5 years.

Simplify the language in this sentence:

Most barriers are modifiable and can be addressed to facilitate regular exercise participation among people with severe MS.

Simplify the language in this sentence:

Identify the modifiable factors that can be targeted to improve walking ability.

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Plain Language Writing Checklist: http://bit.ly/2DhRkBs

KT Planning Template: http://www.melaniebarwick.com/KTTemplate_dl.php

Knowledge Nudge KT Blog: https://medium.com/knowledgenudge

Guide to Knowledge Translation Planning at CIHR: Integrated and End-of-Grant Approaches: http://www.cihr-irsc.gc.ca/e/documents/kt_lm_ktplan-en.pdf

Types of Knowledge Users: http://www.cihr-irsc.gc.ca/e/49505.html

Readability Calculator: http://www.readabilityformulas.com/free-readability-formula-tests.php

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