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COMPOSANTE :
RECHERCHE SUR LES SYSTÈMES DE SANTÉ ET SERVICES SOCIAUX, SUR L'APPLICATION DES CONNAISSANCES ET SUR LA MISE EN OEUVRE

Sex and Gender Considerations in Knowledge Translation Interventions

Amédé Gogovor

CIHR Patient-Oriented Research Fellow

Infoway Sex and Gender Working Group, March 23, 2021

Chaire de recherche du Canada
Décision partagée
Application des connaissances

Québec

Stratégie de recherche axée sur le patient
SRAP
Le patient d'abord

IRSC CIHR
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Canadian Institutes of Health Research

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Overview

- How did I get to sex and gender considerations in my work
- Report on Team Grant Recipient Meeting
- Work in progress: Sex and gender in reporting guidelines
- Lessons learned

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HOW DID I GET TO SEX AND GENDER CONSIDERATIONS IN MY WORK

CIHR IGH Impact of Gender on KT Interventions Team Grant

'mATrICES-F' Légaré et al. 2018

- Report on Team Grant Recipient Meeting
- SR on sex and gender integration in reporting guidelines
- Development of a reporting guideline

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Gogovor *et al. Health Research Policy and Systems* (2020) 18:108
https://doi.org/10.1186/s12961-020-00625-6

Health Research Policy and Systems

COMMENTARY **Open Access**

Sex and gender analysis in knowledge translation interventions: challenges and solutions

Amédé Gogovor[1,2,3,4], Tatyana Mollayeva[5,6], Nicole Etherington[7], Angela Colantonio[5,6], France Légaré[1,2,3,4*] and on behalf of the GIKT Group

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Gender Impact on Knowledge Translation (GIKT) Group

Lionel Adisso, Department of Social and Medicine, Université Laval; Sylvain Boet, Department of Anesthesiology and Pain Medicine & Department of Innovation in Medical Education, University of Ottawa; Andreea C. Brabete, Department of Personality, Centre of Excellence for Women's Health, University of British Columbia; Angela Colantonio, Rehabilitation Sciences Institute, University of Toronto; Nicole Etherington, Centre for Practice Changing Research, Ottawa Hospital Research Institute; Amédé Gogovor, Department of Family Medicine and Emergency Medicine, Université Laval; Lorraine Greaves, Centre of Excellence for Women's Health, University of British Columbia; Marie Laberge, School of Rehabilitation, Université de Montréal; France Légaré, Department of Family Medicine and Emergency Medicine, Université Laval; Karen Messing, Biological Sciences, Université du Québec à Montréal; Tatyana Mollayeva, Rehabilitation Sciences Institute, University of Toronto; Sylvie-Marianne Rhugenda, Faculty of Social Sciences, Université Laval; Kathryn Sibley, Department of Community Health Sciences, University of Manitoba; Cora Siebert, Institute of Gender and Health, Canadian Institutes of Health Research; Sharon Straus, St. Michael's Hospital, University of Toronto; Dominique Tanguay, Faculty of Social Sciences, Université Laval; Cara Tannenbaum, Institute of Gender and Health, Canadian Institutes of Health Research; and Cathy Vaillancourt, Institut national de recherche scientifique, Centre Armand-Frappier Santé Biotechnologie.

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Team 1, based in Ontario, Canada, is investigating the impact of gender on the effectiveness of teamwork in the operating room with clinicians in urban academic hospitals ("the OR team").
Team 2, based in Ontario, Canada, is documenting concepts and ideas for developing and testing educational materials on sex and gender for traumatic brain injury care ("the TBI team").
Team 3, is performing a systematic review on evidence on sex and gender factors affecting substance use (alcohol, cannabis, nicotine and opioids) and is using the evidence in three pilot interventions on substance use in Manitoba, Nunavut and Saskatchewan, Canada ("the substance use team").
Team 4 seeks to model a sex- and gender-conscious participatory action approach in occupational health and environmental health interventions by unions and other community groups in the Amazon and in Quebec, Canada ("the occupational/environmental health team").
Team 5 aims to increase sex- and gender-sensitive clinical behaviours and attitudes through continuing professional development (CPD) activities in French-speaking urban and rural communities in Quebec, New Brunswick and Ontario, Canada ("the CPD team").
Team 6, a pan-Canadian team, aims to develop and evaluate intersectional approaches to KT frameworks and associated tools with KT intervention developers working with older adults ("the intersectional team").

Deom Tardif et al., MSc candidate, *Integration of Sex and Gender in a Continuing Professional Development Learning Activity on Diabetes and Depression*

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CIHR Impact of Gender on KT Interventions Team Grant Recipient Meeting

- November 2018 in Ottawa
- Participants: members of six funded projects + CIHR IGH
  - 18 participants (15 female and 3 male participants; 8 French-speaking) : 9 researchers, 3 healthcare professionals, 4 trainees, 1 CIHR IGH staff member, and Dr. Cara Tannenbaum, Scientific Director of the CIHR IGH
- Small discussion groups and larger group
  - pre-meeting texts : 3 challenges met in the course of their project for which strategies were found, and 3 challenges for which solutions had not yet been found
- Analysis
  - thematic analysis of the revised pre-meeting texts

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Themes	Challenge	Solution
Consensus building	Difficult uniting around a common vision and a common language on sex and gender	Development of a consensus on terms and concepts before the implementation process of the project begins
Guidance	Lack of guidance regarding integrating concepts of sex and gender into models, frameworks , e.g. Theoretical Domains Framework (TDF)	(Sought) Feedback from multiple coinvestigators with expertise in sex- and gender-based analysis
Design and effectiveness outcomes	Limited evidence for adding sex- and gender-based content to existing continuing professional development training material	Addition of an interactive component which includes a brainstorming activity and a panel discussion on stigmatisation related to the health condition and gender
Searches and recruitment	Recruit gender-diverse participants	Connect with relevant organizations and develop trusting relationships with them
Data access and data collection	Lack of usable disaggregated data, in the literature, i.e. the terms sex and gender used interchangeably	Lectures and conferences for more sex- and gender-sensitive investigations and interventions
Intersection of sex and gender with other determinants of health	Difficulty in operationalization of intersectionality	*Unresolved*

Conclusions

These findings provide a sampling of the challenges and solutions found in implementing KT projects that consider sex and gender. They have implications for every stage of the KT process, from identifying the knowledge to be translated to disseminating it in an equitable way. Integrating sex and gender in KT is a new field and these findings will illuminate the path ahead.

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https://www.researchgate.net/project/Gender-Impact-on-Knowledge-Translation

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WORK IN PROGRESS

Sex and Gender Considerations in Reporting Guidelines: A Systematic Review

Background

- Reporting guidelines help reduce waste in health research by addressing the deficiencies in the quality of its reporting.
- Omission of sex and gender considerations is a recurring deficiency in research design and reporting, despite the growing recognition of their importance.

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Sex and Gender Considerations in Reporting Guidelines

Objectives

- To assess the integration of sex and gender considerations in published reporting guidelines based on the use of sex- and gender-related terms

- To assess the correct use of sex and gender terms

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Methods

Sex and Gender Considerations in Reporting Guidelines

- Protocol registration: PROSPERO CRD42019136491
- Study design: systematic review, PRISMA-statement
- Inclusion criteria and database: All reporting guidelines (original and extensions) listed in the EQUATOR registry (www.equator-nework.org) up to December 2018.
- Data extraction: Pairs of reviewers independently extracted the data using a pre-tested extraction form

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Methods

Sex and Gender Considerations in Reporting Guidelines

- Correct use of sex or gender based on three criteria (Adisso et al.,)
  - Non-binary use
  - Use of appropriate categories
  - Non-interchangeable use
  - Correct use: if all the three criteria were met

- Analysis

  Descriptive statistics: reported the numbers and percentages of reporting guidelines that used sex and/or gender related items; percentage of reporting guidelines that met each the three criteria for correct use, trends in the use of sex and gender terms

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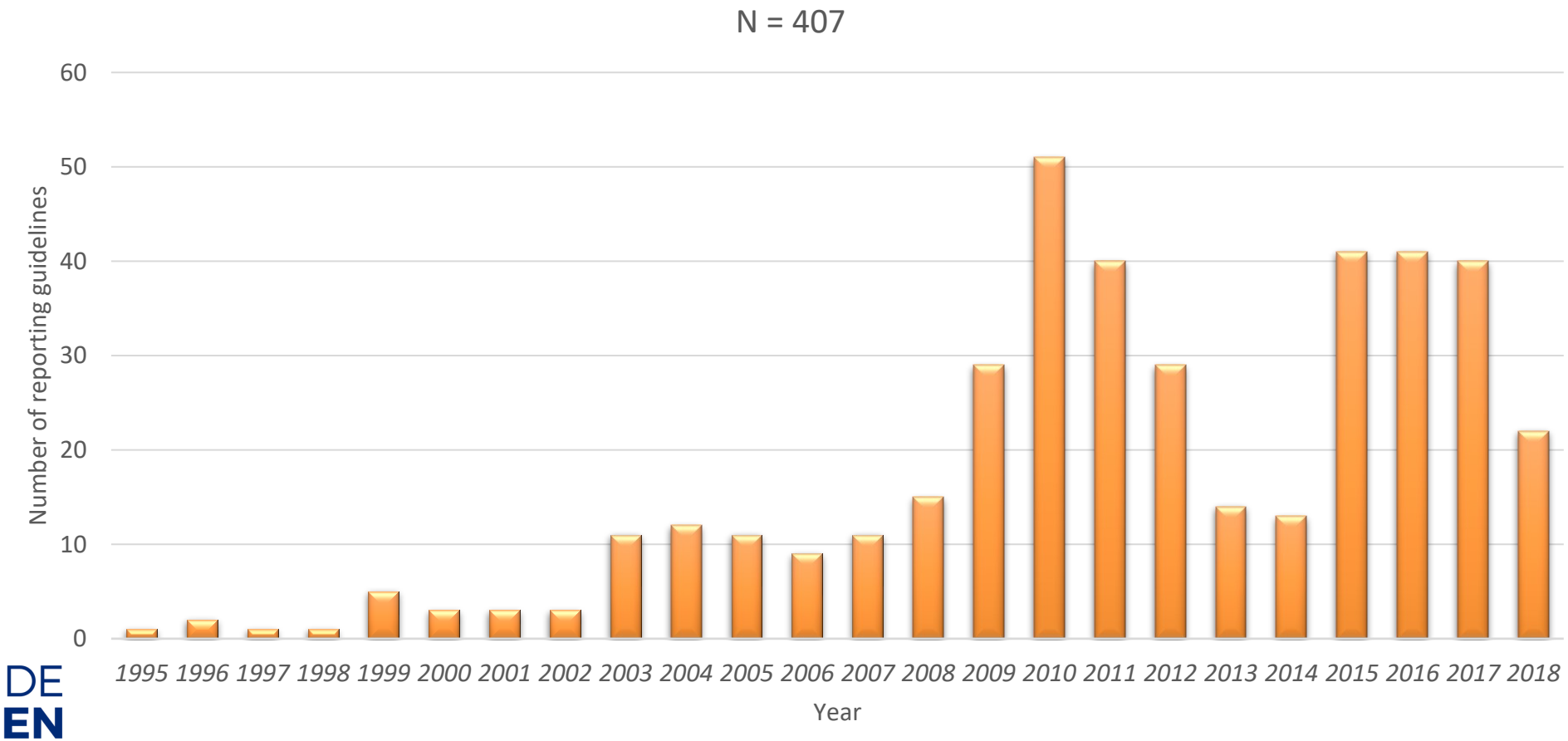
Adisso et al., *PLOS One* 2020.

Preliminary Results

Sex and Gender Considerations in Reporting Guidelines



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Preliminary Results

Sex and Gender Considerations in Reporting Guidelines

- 159 (39%) mentioned “sex” and/or “gender” in the checklist/abstract/main text
- In the checklist of the reporting guidelines (n = 363), “sex” and “gender” were mentioned in 50 (13.8%) and 39 (10.7%)
- Correct use of sex and gender: Only one reporting guideline met the three criteria (SAGER: Sex and Gender Equity in Research)
- Trends in the use of sex and gender terms: “gender” has been used since 1996, while “sex” only started in 2003

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Discussion

- Very low use of sex and gender related words : similar findings in previous studies
- Remain to determine the appropriate level of sex and gender information in reporting guidelines
- Recommendations

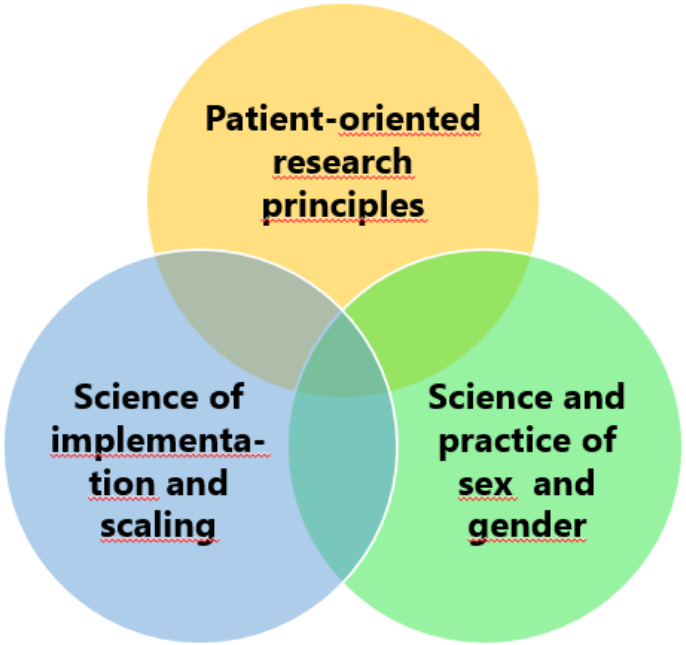
Gogovor *et al. Systematic Reviews* (2020) 9:11
https://doi.org/10.1186/s13643-019-1258-3

Systematic Reviews

PROTOCOL Open Access

Essential items for reporting of scaling studies of health interventions (SUCCEED): protocol for a systematic review and Delphi process

Amédé Gogovor[1,2,3,4], Hervé Tchala Vignon Zomahoun[1,3,4], Ali Ben Charif[1,2,3,4], Robert K. D. McLean[5,6], David Moher[7,8], Andrew Milat[9,10], Luke Wolfenden[11], Karina Prévost[4,12], Emmanuelle Aubin[4,12], Paula Rochon[13], Giraud Ekanmian[1,4], Jasmine Sawadogo[1,4], Nathalie Rheault[1,4] and France Légaré[1,2,3,4*]



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Sex, gender considerations

- All steps of the development:

identification of items, adequate representation of sexes in panel expert group, consensus meeting, presentation of disaggregated data

- New reporting guideline : specific instructions on how to consider sex and/or gender at the different sections

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Next steps of development

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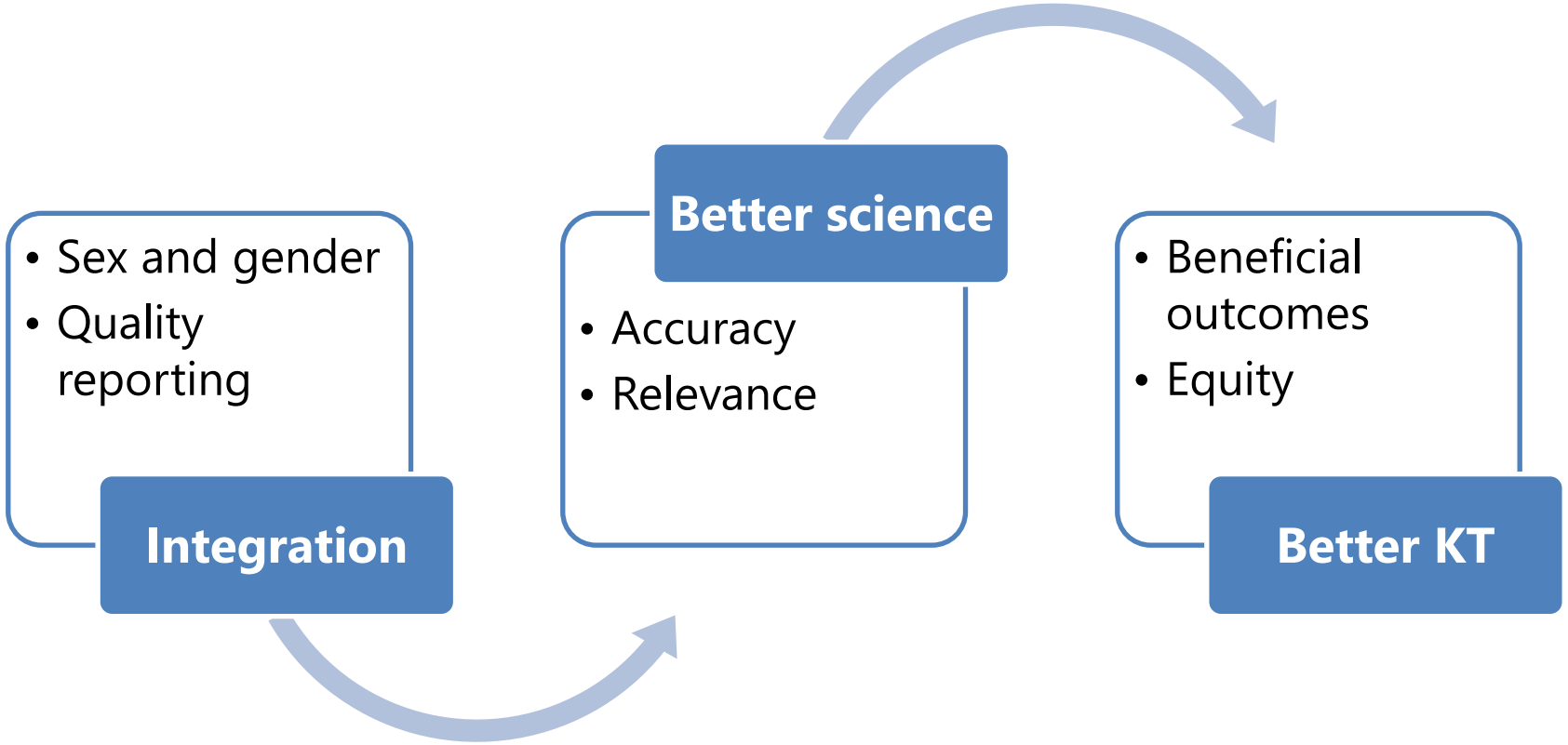
LESSONS LEARNED

Better science - Better KT



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THANK YOU

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