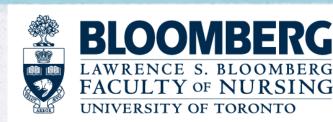
The Socioeconomic Context of the Diabetes Nurse Educator Role: A Scoping Study

Sanja Visekruna, RN, MSc, PhD Student
Canadian Health Workforce Conference
Ottawa, Ontario
Tuesday, October 4, 2016



Background

- Worldwide, 542,000 children <15 years of age projected to be living with type 1 (T1) diabetes in 2015 (International Diabetes Federation [IDF], 2015)
- 108,400 of these children are from North America and the Caribbean (IDF, 2015)
- Health technologies are required to manage diabetes (Canadian Diabetes Association [CDA], 2013)



Background

- Diabetes educator
 - "Diabetes self-management education and support" (Haas et al., 2012, p. 2393)
- Scope of practice

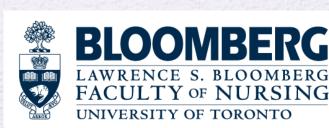
(Canadian Medical Association, Canadian Nurses Association & Canadian Pharmacists Association, 2003)



Methodology

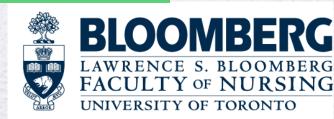
- Arksey & O'Malley (2005)
 scoping study framework
- Overarching Aim: To explore the breadth of T1 diabetes literature within the past decade that addresses the topic of health need and financial implications of the health technology, insulin pump therapy, in the paediatric population.





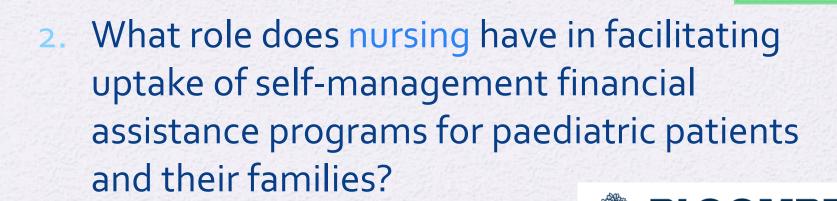
Overarching Themes

- Insulin Pump Technology (Clinical)
- 2. Policy
- 3. Socioeconomic/Economic
- 4. Decision-Making
 - 5. Diabetes Nursing



Research Questions

What role does nursing have in supporting the treatment decision-making of paediatric patients and their families?



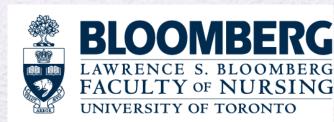
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Results

Themes

- Treatment Decision-Making
- 2. Socioeconomic & Policy
- 3. Canadian vs. American Context

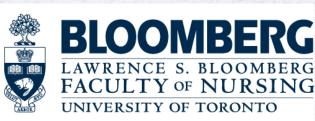


1. Treatment Decision-Making

Insulin Delivery Systems

- Multidisciplinary team approach
- Family-centred
- Personal attributes
- Developmental, clinical & contextual considerations
- Policies & guidelines





2. Socioeconomic & Policy

A. Socioeconomic

- Link between socioeconomic status and clinical outcomes (i.e., HbA1c)
 - (Hassan, Loar, Anderson, & Heptulla, 2006; Hatherly et al., 2011)
- "Assess the relationship between social and socioeconomic support systems, environment and daily living with diabetes."

(Canadian Diabetes Educator Certification Board [CDECB], 2016, p. 18)





2. Socioeconomic & Policy

Ministry of Health & Long-Term Care

Insulin Pump and Supplies Policy and Administration Manual

Assistive Devices Program
Ministry of Health & Long-Term Care

February 2016

www.health.gov.on.ca/adp

B. Policy

- Liaison & program navigator
- Care plan development
- Insulin pump education, training & support
- Assessing & monitoring eligibility criteria, and facilitating program uptake
- Prescribing* (nurse practitioners)





3. Canadian vs. American Context

		CANADA	UNITED STATES
Certification	1		/ *
Competency/standard framework	/		•
Social determinants of health	/ *		✓
Socioeconomic	1		✓
Program navigation/coordination/mana gement	•		✓ *
Business management & resources	•		✓ *
Accessibility	1		/ *

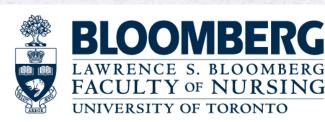


3. Canadian vs. American Context

American Association of Diabetes Nurse Educators (2016) Competencies

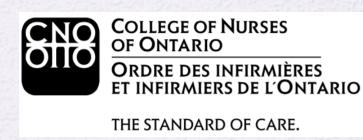
- Competency framework
- Diabetes educator practice levels
- Diabetes paraprofessional competencies
- Program & business management domain
- Cultural domain

- Diabetes health technologies*
- Research
- Navigating & facilitating resource uptake
- Healthcare system funding



Contextual Considerations & Nursing Implications

- Government, policies & legislation
- Healthcare system & centre structure
- Nursing regulation
- Scope of practice between health professions
- U.S. approach to diabetes practice levels





Acknowledgements

Supervisor

• Dr. Linda McGillis Hall¹

Dissertation Committee Members

- Dr. Monica Parry¹
- Dr. Karen Spalding²
- Lawrence S. Bloomberg Faculty of Nursing, University of Toronto
- 2. Daphne Cockwell School of Nursing, Ryerson University



Acknowledgements

Funding

This research is supported by the Kathleen Russell Distinguished Professor Award at the Lawrence S. Bloomberg Faculty of Nursing.

University of Toronto

- Dorothy Grace Riddell/Ontario Graduate Scholarship
- Julia Alice Saddington Memorial Award in Nursing
- Queen Elizabeth II/Heart and Stroke Foundation of Ontario Graduate Scholarships in Science and Technology
- Gail Donner Doctoral Nursing Fellowship
- Kathleen King Doctoral Fellowship, Faculty of Nursing
- M. Jean Wilson Scholarship, Faculty of Nursing
- University of Toronto Fellowship
- Lawrence S. Bloomberg Faculty of Nursing, Nursing Health Services Research Unit Knowledge Exchange Program

Registered Nurses' Foundation of Ontario

- Dorothy Monteith Scholarship
- Margaret Myers Diabetes Clinical Practice Award DNIG



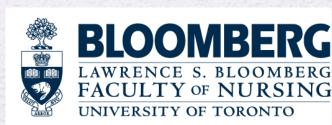
Thank You! Questions?

sanja.visekruna@mail.utoronto.ca



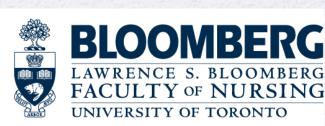
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