

UNIVERSITY OF SASKATCHEWAN

## INTRODUCTION

- Tooth decay is the most common chronic disease worldwide and affects individuals of all ages<sup>1</sup>
- Tooth decay happens when bacteria metabolize dietary fermentable carbohydrates (e.g., sucrose) which produces acid and damages tooth structures<sup>2</sup>
- Tooth decay is prevalent in Canada: 57% of children 6-11y, 59% of children 12-19y, and 96% of adults have had cavities<sup>3</sup>
- Tooth decay treatment is most common indication for day surgery among preschool aged children in Canada. If left untreated, tooth decay can interfere with growth, sleeping, eating, speech development, and can cause poor self-esteem<sup>4</sup>
- Several different approaches are used to prevent tooth decay (e.g., optimizing dietary intake<sup>2</sup>)
- Both chemical and physical properties of foods and beverages, as well as how they are consumed (e.g., frequency), can impact tooth decay risk<sup>5</sup>
  - Diets high in fermentable carbohydrates are associated with increased risk
  - Diets rich in vegetables and fruit are associated with decreased risk
- The Internet is a common strategy for the public to access health information<sup>6</sup>
- our knowledge, no analyses have been • To conducted on the types of written information available online to the general public on diet and tooth decay from health professional organizations in Canada



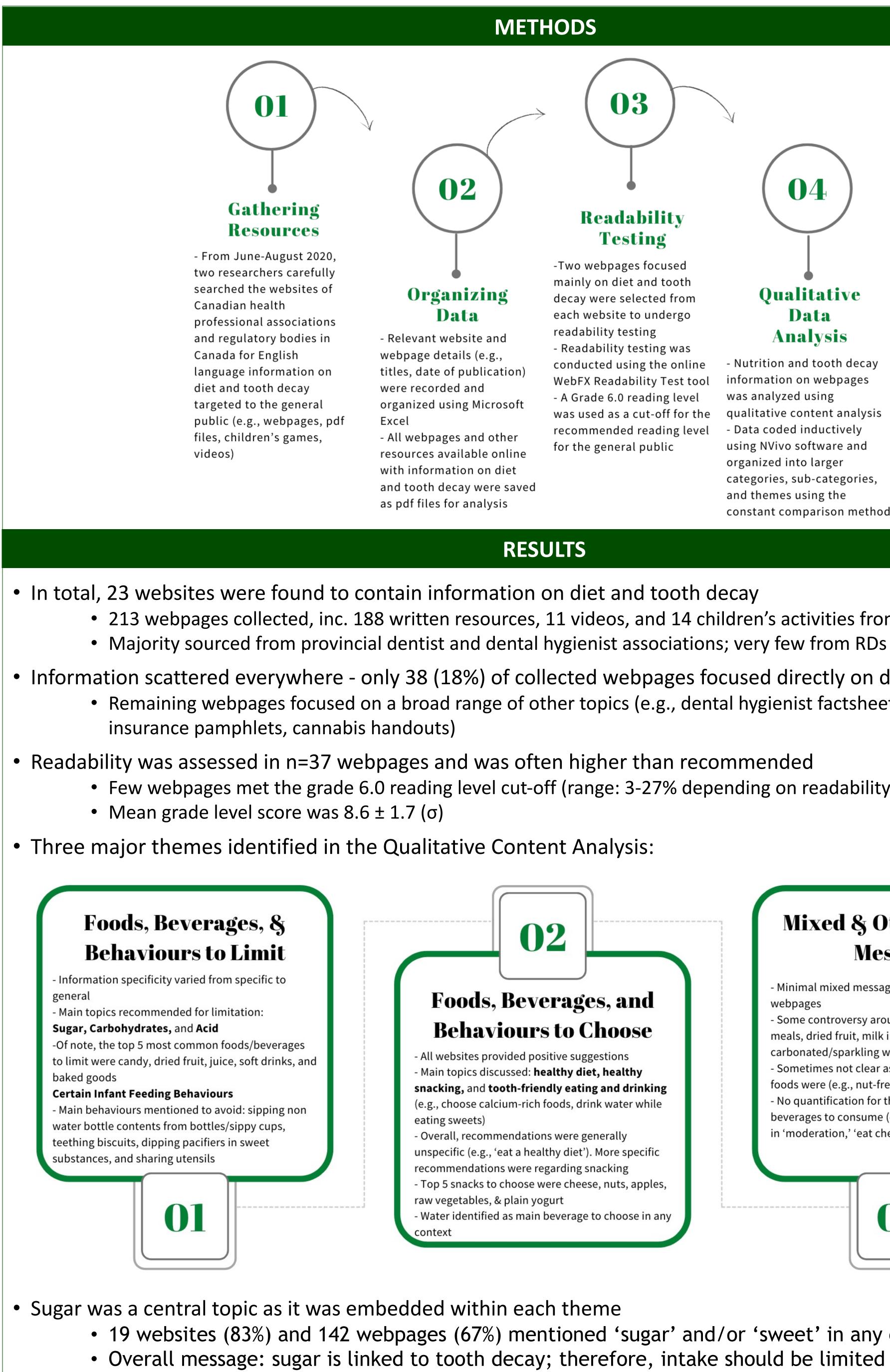
## PURPOSE

To assess the information available from websites of professional organizations in Canada that are targeted to the public on diet and tooth decay.

# A Content Analysis of Canadian Professional Association Resources on Diet and Tooth Decay

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• No interprofessional referrals to RDs

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hist associations webpages fo opics (e.g., dent gher than reco	ildren's activities from the 23 websites s; very few from RDs (only UnlockFood.ca) cused directly on diet and tooth decay cal hygienist factsheets, FAQ pages, dental	<ul> <li>Few with</li> <li>Incredict</li> <li>Incredict&lt;</li></ul>
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estions t, healthy g and drinking hk water while nerally More specific hacking e, nuts, apples,	<section-header><section-header><section-header></section-header></section-header></section-header>	<ol> <li>Canadiar adc.ca/st</li> <li>Gondivka Disease-</li> <li>Statistics canada/st</li> <li>Canadiar on https://st</li> <li>Touger-D Journal of</li> <li>Statistics 2022. Av</li> <li>Daraz L, Murad N of Medic</li> <li>Skierkow Americat</li> <li>Dietitian Collabor Health 03/FINA</li> </ol>
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d 'sugar' and	/or 'sweet' in any context should be limited	• Stu

## CONCLUSIONS

rall, an abundance of diet and tooth decay rmation available to the public in these websites

ninant message was limit sugar and eat a toothndly diet; limited mixed messaging was present

rmation found in many different forms under a e variety of webpage topics

catteredness, high frequency, and recurrence of nformation demonstrates a strong and important link etween diet and tooth decay

lowever, general statements (e.g., 'eat a healthy diet') nay not be as useful to the general public

dability of webpages was often higher than ommended grade 6 level which has been ntified elsewhere<sup>7,8</sup>

ome information may be difficult for the general ublic to understand; may exacerbate health isparities

resources mentioned where to get more help n this topic; dietitians were not listed

eased collaboration between oral professionals, itians and other professionals will help to ensure the public is provided with the best information diet and tooth decay

ncreased collaboration between dietitians and ral health professionals has been

ecommended<sup>5,9</sup>

Dral health is an exciting and emerging area of ietetic practice

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## ACKNOWLEDGEMENTS

Research Foundation Health katchewan ablishment Grant Program for financial support Ident Undergraduate Research Experience program at the University of Saskatchewan