

Julie Farmer, RDH, MSc
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I. EDUCATION

PhD Candidate, Faculty of Dentistry, University of Toronto	2017-present
Collaborative Specialization in Public Health Policy	
Masters of Science (Dental Public Health), Faculty of Dentistry, University of Toronto	2013-2015
Diploma in Dental Hygiene, Regency Dental Hygiene Academy	2010-2012
Bachelors of Science(Hons), University of Toronto	2006-2010

Registration

College of Dental Hygienists of Ontario (015713)	2012-present
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II. RESEARCH POSITIONS

Research Assistant, North American Observatory on Health Systems and Policy, Institute of Health Policy Management and Evaluation, University of Toronto	2019-present
Research Assistant, Faculty of Dentistry, University of Toronto	2017-2022
Research Associate, Faculty of Dentistry, University of Toronto	2015-2017
Policy Intern, Office of the Chief Dental Officer of Canada	2014

III. SCHOLARLY PUBLICATIONS

Peer-reviewed research (ORCID profile <https://orcid.org/0000-0001-5361-2180>)

1. Moharrami M, **Farmer J**, Singhal S, Watson E, Glogauer M, Johnson A, Schwendicke F, Quiñonez C. (2023) Detecting dental caries on oral photographs using artificial intelligence: a systematic review. *Oral Diseases*. (In Press).
2. Cheuk R, Adeniyi A, **Farmer J**, Singhal S, Jessani A. Teledentistry use during the COVID-19 pandemic: perceptions and practices of Ontario dentists. *BMC Oral Health*. 2023 Dec;23(1):1-3. <https://doi.org/10.1186/s12903-023-02772-y>
3. Raittio E, Ashraf J, **Farmer J**, Nascimento GG, Aldossri M. (2022). Reporting of absolute and relative risk measures in oral health and cardiovascular event studies: a systematic review. *Community Dentistry and Oral Epidemiology*. <https://onlinelibrary.wiley.com/doi/full/10.1111/cdoe.12738>
4. Singhal S, **Farmer J**, Quiñonez C. (2021). Commentary: Changes in oral health policies and guidelines during the COVID-19 pandemic. *Frontiers in Oral Health*. <https://www.frontiersin.org/articles/10.3389/froh.2021.718538/full>
5. Kaura-Parbhakar K, **Farmer J**, Quiñonez C. (2021). The influence of living conditions and individual behaviours on the oral-systemic disease connection: a cross-sectional analysis. *Journal of Public Health Dentistry*. <https://doi.org/10.1111/jphd.12455>
6. Singhal S, **Farmer J**, Aggarwal A, Kim J, Quiñonez C. (2021). A review of “Optimal fallow period” guidance across Canadian jurisdictions. *International Dental Journal*. <https://doi.org/10.1016/j.identj.2021.03.003>
7. Ghoneim A, Kaura-Parbhakar K, **Farmer J**, Quiñonez C. (2021) Healthy and respectful workplaces: The experiences of dental hygienists in Canada. *JDR Clinical & Translational Research*. <https://doi.org/10.1177/23800844211001827>
8. Raittio E, **Farmer J**. (2021). Methodological gaps in studying the oral-systemic disease connection. *Journal of Dental Research*. <https://doi.org/10.1177/0022034520982972>
9. Roerig M, **Farmer J**, Ghoneim A, Gomaa N, Dempster L, Evans K, La W, Quiñonez C. (2020). Developing a coding taxonomy to analyze dental regulatory complaints. *BMC Health Services Research*. <https://doi.org/10.1186/s12913-020-05943-7>
10. Fang C, Aldossri M, **Farmer J**, Gomaa N, Quiñonez C, Ravaghi V. (2020). Changes in income-related inequalities in oral health status in Ontario, Canada. *Community Dentistry and Oral Epidemiology*. <https://doi.org/10.1111/cdoe.12582>

11. Aldossri M, **Farmer J**, Saarela O, Rosella L, Quiñonez C. (2020). Oral Health and Cardiovascular Disease: Mapping Clinical Heterogeneity and Methodological Gaps. *JDR Clinical & Translational Research*. <https://doi.org/10.1177/2380084420953121>
12. Allin S, **Farmer J**, Quiñonez C, Peckham A, Marchildon G, Panteli D, Henschke C, Fattore G, Lamloum D, Holden ACL, Rice T. (2020). Do health systems cover the mouth? Comparing dental care coverage for older adults in eight jurisdictions. *Health Policy*. <https://doi.org/10.1016/j.healthpol.2020.06.015>
13. Ravaghi V, **Farmer J**, Quiñonez C. (2020). Income-related inequality in dental service use in Canada: 1994-2014. *Journal of the American Dental Association*. <https://doi.org/10.1016/j.adaj.2020.02.002>
14. Zivkovic N, Aldossri M, Gomaa N, **Farmer J**, Singhal S, Quiñonez C, Ravaghi V. (2020). Providing dental insurance can positively impact oral health outcomes in Ontario. *BMC Health Services Research*. <https://doi.org/10.1186/s12913-020-4967-3>
15. **Farmer J**, Singhal S, Dempster L, Quiñonez C. (2018). Effectiveness, safety, and acceptance of silver diamine fluoride therapy and its implications for dental hygiene practice: a scoping review. *Canadian Journal of Dental Hygiene*. 52(3),192-27. https://files.cdha.ca/profession/SDF_Position_paper_cjdh_v52n3_FINAL.pdf
16. Stein K, **Farmer J**, Singhal S, Marra F, Sutherland S, Quiñonez, C. (2018). The use and misuse of antibiotics in dentistry: A scoping review. *Journal of the American Dental Association*. <https://doi.org/10.1016/j.adaj.2018.05.034>
17. **Farmer J**, Phillips R, Singhal S, Quiñonez C. (2017). Inequalities in oral health: understanding the contributions of education and income. *Canadian Journal of Public Health*. <https://doi.org/10.17269/cjph.108.5929>
18. Moeller J, **Farmer J**, Quiñonez C. (2017). Patterns of analgesic use to relieve tooth pain among residents in British Columbia, Canada. *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0176125>
19. **Farmer J**, Peressini S, Lawrence HP. (2017) Exploring the role of the dental hygienist in reducing oral health disparities in Canada: a qualitative study. *International Journal of Dental Hygiene*. <https://doi.org/10.1111/idh.12276>
20. Singhal S, **Farmer J**, McLaren L. (2017). Methodological considerations for designing a community water fluoridation cessation study. *Community Dentistry and Oral Epidemiology*. <https://doi.org/10.1111/cdoe.12289>
21. **Farmer J**, Ramraj C, Azarpazhooh A, Dempster L, Ravaghi V, Quiñonez C. (2017). Comparing self-reported and clinically diagnosed dental treatment needs in the Canadian Population. *Journal of Public Health Dentistry*. <http://dx.doi.org/10.1111/jphd.12205>
22. Shaw J, **Farmer J**, Coyte P, Lawrence HP. (2017). Comparing human resource planning models in dentistry: A case study using Canadian Armed Forces dental clinics. *Community Dentistry and Oral Epidemiology*. <http://dx.doi.org/10.1111/cdoe.12277>
23. **Farmer J**, McLeod L, Siddiqi A, Ravaghi V, Quiñonez C. (2016). Towards an understanding of the structural determinants of oral health inequalities: A comparative analysis between Canada and the United States. *SSM-Population Health*, 2, 226-236. <http://dx.doi.org/10.1016/j.ssmph.2016.03.009>
24. **Farmer J**, McLeod L, Siddiqi A, Ravaghi V, Quiñonez C. (2016). Examining changes in income-related oral health inequality in Canada. *Canadian Journal of Dental Hygiene*, 50(2), 65-71. <https://files.cdha.ca/profession/journal/2241.pdf>

Book Chapters

1. Quiñonez C, **Farmer J**, Gomaa N, Singhal S. Oral health and oral health care in Canada. Dentistry, Dental Practice, and the Community, 7th Edition. Edited by Ana Karina Mascarenhas, Bruce Dye, and Christopher Okunseri. St. Louis: Elsevier. <https://doi.org/10.1016/B978-0-323-55484-8.00006-X>

Technical Reports

Dentistry and dental care

1. **Farmer J**, Singhal S, Ghoneim A, Proaño D, Moharrami M, Kaura K, McIntyre J, Quiñonez C. (2022). Environmental scan of publicly financed dental care in Canada: 2022 update. Toronto, ON: Dental Public Health, Faculty of Dentistry, University of Toronto. [Available online](#).

2. **Farmer J**, Ghoneim A, D'Souza V, Kaura-Parbhakar K, Quiñonez C. (2021). 2020 Survey on dental hygiene practice and the COVID-19 pandemic in Ontario. Prepared for the College of Dental Hygienists of Ontario.
3. **Farmer J**, Ghoneim A, D'Souza V, Kaura-Parbhakar K, Quiñonez C. (2020). 2020 Total Quality Improvement Report: Survey on dental hygiene practice in Ontario prior to the COVID-19 pandemic. Prepared for the College of Dental Hygienists of Ontario.
4. **Farmer J**, Allin S, Quiñonez C, Peckham A, Marchildon G. (2019). Dental coverage for older adults in seven jurisdictions: A rapid review prepared for Converge3. North American Observatory on Health Systems and Policies ([No.14](#)).
5. Roerig M, **Farmer J**, Ghoneim A, Goma N, Dempster L, Evans K, La W, Quiñonez C. (2019). A content analysis of complaints made by the public to the Royal College of Dental Surgeons of Ontario. Royal College of Dental Surgeons of Ontario.
6. Da Silva K, **Farmer J**, Aldossri M, Ghoneim A, Quiñonez C. (2018). A review of dental coverage under the Interim Federal Health Program (IFHP): Final report. Immigration, Refugees and Citizenship Canada.
7. **Farmer J**, Singhal S, Sutherland S, Patrick D, Soucy B, Lalji F, Stein K, Quiñonez C. (2017). The antibiotic prescribing practices of dentists in Canada. Canadian Dental Association.
8. **Farmer J**, Sauve D, Cooney P, Quiñonez C. (2017). Oral health-related issues and activities in Canadian First Nations and International Indigenous Communities. Sioux Lookout First Nations Health Authority.
9. Da Silva K, **Farmer J**, Quiñonez C. (2017). Access to Oral Health Care for Individuals with Developmental Disabilities: An Umbrella Review. Submitted to the Office of the Chief Dental Officer of Canada. [Available online](#).
10. Da Silva K, **Farmer J**, Quiñonez C. (2017). Access to Oral Health Care for Seniors Living in Long Term Care Facilities: An Umbrella Review. Submitted to the Office of the Chief Dental Officer of Canada.
11. **Farmer J**, Singhal S, Quiñonez C. (2016). An inter-jurisdictional scan of seniors' dental programs. Submitted to the Region of Peel as part of a program evaluation.
12. Shaw J, **Farmer J**. (2016). An environmental scan of publicly financed dental care in Canada: 2015 update. [Available online](#).

Health systems and policies

1. Tan S, **Farmer J**, Roerig M, Allin S. (2023). Primary care governance and financing: models and approaches. North American Observatory on Health Systems and Policies. Prepared for Institute of Health Economics. ([No. 37](#)).
2. **Farmer J**, Albert M, Carbone S, Roerig M, Allin S. (2022). Improving access to high quality team-based primary care in rural/remote/northern Canada. Prepared for Healthcare Excellence Canada. ([No. 35](#)).
3. **Farmer J**, Marchildon G, Allin S. (2022). Governance of COVID-19 vaccine data in federations. Toronto: North American Observatory on Health Systems and Policies. Prepared for Public Health Agency of Canada. ([No. 33](#)).
4. Carbone S, **Farmer J**, Roerig M, Purdy S, Allin, S, Marchildon G. (2020). Coverage of grey area services in four provincial/territorial health insurance programs. North American Observatory on Health Systems and Policies. A Rapid Review prepared for the Yukon Government ([No. 30](#)).

Non-Peer-Reviewed Publications

1. **Farmer J**. (2023). Health Systems and Policy Monitor (HSPM). Canada: New physician payment model in British Columbia. European Observatory on Health Systems and Policies. [Available online](#).
2. Singhal S, **Farmer J**, Quiñonez C. (2020). COVID-19 testing in dental settings – an ethical and logistical dilemma. Ontario Dentist.
3. Yuan W, **Farmer J**, Singhal S, Quiñonez C. (2015). Even with dental insurance, many people don't visit a dentist: Why? Ontario Dentist.

IV. GRANT FUNDING

Current Research Funding:

Canadian Institute of Health Research – Project Grant (Operating)	Development, validation, and implementation of a knowledge synthesis reporting guideline for outcome measurement instruments in health research	PI: M. Offringa; NJ Butcher; D Moher; AC Tricco Co-Applicants: O Aiyegbusi; C Barnett Tapia; D Beaton; C Borkhoff; J Farmer ; J Gagnier; C Gale; N Hall; S Johnson; L Kelly; A Klassen; S Monga; E Potter; M Smith; P Smith; P Szatmari; Z Touma; P Tugwell; W Ungar; S Vohra; J Webbe; V Welch; K Wong Collaborators: K Krause; L Mookink; C Terwee; M Tunis	2021-2024	\$392,010
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Completed Research Funding:

Canadian Institute of Health Research	Doctoral Award - Frederick Banting and Charles Best Canada Graduate Scholarships	Student PI: J Farmer Supervisor: C Quiñonez	2019-2022	\$105,000
Province of Ontario/ University of Toronto	Ontario Graduate Scholarship	PI: J Farmer Supervisor: C Quiñonez	2018-2019	\$15,000
Canadian Foundation for Dental Hygiene Research and Education	Quantifying inequity in oral health and access to dental care in Canada	PI: C Quiñonez Co-PI: L McLeod Student: J Farmer	2014-2015	\$8,000
University of Toronto Dental Research Institute	The role of the dental hygienist in reducing oral health disparities in Canada	PI: HP Lawrence Student: J Farmer	2014-2015	\$2,500

Completed Service Contracts:

College of Dental Hygienists of Ontario	2020 Total Quality Improvement Survey	PI: C Quiñonez Co-Applicants: V D'Souza, J Farmer, A Ghoneim, K Kaura	2020	-
Canadian Dental Hygienists Association	Analysis of 2018 Healthy Workplace Survey	PI: C Quiñonez Co-Applicants: A Ghoneim, J Farmer, K Kaura	2020	-
Canadian Dental Hygienists Association	Silver diamine fluoride position statement and paper consulting team	PI: C Quiñonez Co-PI: J Farmer, L Dempster, S Singhal	2017-2018	-
Canadian Dental Association	Survey of antibiotic prescribing practices of dentists in Canada	PI: C Quiñonez Co-PI: J Farmer	2017	-
Office of the Chief Dental Officer, Public Health Agency of Canada	Access to oral health care for seniors living in long-term care and individuals with developmental disabilities	PI: C Quiñonez Co-PI: K Da Silva, J Farmer	2017	-
Sioux Lookout First Nations Health Authority	Oral health assessment	PI: C Quiñonez Co-PI: J Farmer	2016-2017	-
Peel Public Health	Evaluating the Region of Peel's Seniors Dental Care Program	PI: C Quiñonez Co-PI: J Farmer, S Singhal	2016	-

V. HONORS AND AWARDS

Name	Agency	Value	Year
First place, 3 Minute Thesis Competition	Faculty of Dentistry, University of Toronto	\$300	2020

Harron Scholarship	Faculty of Dentistry, University of Toronto	\$3,000	2019
Finalist, Student Award	Pediatric Oral Health Research Group	-	2019
	International Association of Dental Research		
Harron Scholarship	Faculty of Dentistry, University of Toronto	\$3,000	2018
David Locker Doctoral Scholarship in Dental Public Health	Faculty of Dentistry, University of Toronto	\$5,000	2018
Conference Grant	School of Graduate Studies, University of Toronto	\$880	2018
Best Original Research Article	Canadian Journal of Dental Hygiene	-	2017
Dr. James Leake Bursary Award	Canadian Association of Public Health Dentistry	\$500	2015
Launch Conference Best Poster Award	International Centre for Oral Health Inequalities Research and Policy	\$70	2015
Dr. George and Nancy Vasiga Scholarship in Dental Public Health	Faculty of Dentistry, University of Toronto	\$2,000	2014
Visionary Award	Canadian Dental Hygienists Association	\$2,000	2014
Gold Medal Award	Regency Dental Hygiene Academy	-	2012

VI. ACTIVITIES AS A REVIEWER

Journal	Number Reviewed
Canadian Journal of Dental Hygiene	2
Community Dentistry and Oral Epidemiology	22
Health Reports	1
International Dental Journal	4
International Journal of Dental Hygiene	9
Journal of Dental Research	1
Journal of Immigrant and Minority Health	1
Journal of Public Health Dentistry	1

VII. MEMBERSHIP ON EDITORIAL BOARDS

Special Advisor: Early Career Researcher, Community Dentistry and Oral Epidemiology	2022-present
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VIII. PROFESSIONAL SERVICE AND VOLUNTEER ACTIVITIES

International

Session Chair. Oral health related quality of life - interactive talks. IADR General Session.	2023
Co-organizer. Workshop on Peer Review. Oral Epidemiology Forum. Bogotá, Colombia	2023
Session support. International Symposium on Molar Hypomineralisation & Chalky Teeth. Toronto, Canada	2022

National

Communications and Membership Committee Member, Canadian Association of Public Health Dentistry [CAPHD]	2012-2022
Working Group on Access to Dental Care, CAPHD	2020
Grant peer reviewer, Canadian Foundation for Dental Hygiene Research and Education	2018-2020, 2023
Ad hoc Position Statement on Dental Therapy Committee, CAPHD	2017-2019
Secretary, Board of Directors, CAPHD	2017-2019

Provincial

Non-Council Member, Quality Assurance Committee, College of Dental Hygienists of Ontario	2022-present
Non-Council Member, Inquiries, Complaints, and Reports Committee, College of Dental Hygienists of Ontario	2018-2023

Local

Student panel member, University Tribunal, University of Toronto	2018-2022
Committee member, Dental Public Health Graduate Program Admissions Committee, Faculty of Dentistry, University of Toronto	2018-2022
Co-Chair, Faculty of Dentistry Research Day Organizing Committee, University of Toronto	2019-2021
Committee member, Public Health Policy Lunch and Learn Planning Committee	2018-2019
Faculty of Dentistry Representative, University of Toronto Graduate Students' Union	2013-2015

IX. PRESENTATIONS AND PANEL PARTICIPATION

Invited presentations

1. 2021-2022 Dental Public Health Seminars, Coordinated by the Jacobi Medical Center site of the New York State Department of Health Dental Public Health Residency Program. "*Oral health and oral health care in Canada*". (October 2021).
2. Faculty of Dentistry, University of Toronto Alumni Webinar. "*Who does the Faculty of Dentistry serve and why does it matter?*" (September 2021).
3. Canadian Dental Hygienists' Association Annual Conference. "*Silver diamine fluoride: should I use it in my practice?*" (October 2019).
4. International Federation of Dental Hygienists. International Symposium of Dental Hygiene. (August 2019). Declined, unavailable.
5. Region of Peel. "*Using data to inform decision-making*". Presented to oral health staff at the Region of Peel (June 2016).

Panel participation

1. Bozec L, Dempster L, **Farmer J**, Sharma S. The 3 Minute Thesis: Preparing the Next Generation of Graduate Students for Global Engagement. Canadian Association for Graduate Studies [Online]. Nov 2022.
2. **Farmer J**. Panelist General Discussion. International Symposium on Molar Hypomineralisation & Chalky Teeth. [Hybrid – Toronto, ON] October 2022.

Conference presentations (Oral/Interactive)

1. **Farmer J**, Borkhoff C, Casas M, Quiñonez C. Measuring third party disability in children's oral health – a review. IADR Annual Scientific Meeting. Bogotá, Colombia. June 2023.
2. **Farmer J**, Borkhoff C, Casas M, Quiñonez C. Burden of early childhood caries in a privately insured population in Canada. AADOCR/CADR Annual Meeting & Exhibition. Portland, Oregon, USA. March 2023.
3. Allin S, **Farmer J**, Quiñonez C, Peckham A, Marchildon G. Do health systems cover the mouth? Comparing dental care coverage for older adults in eight jurisdictions. Canadian Association for Health Services and Policy Research Conference. May 2022 (Cancelled due to COVID-19).
4. **Farmer J**, Aldossri M, Borkhoff C, Casas M, Quiñonez C. Mapping the practical implications of general anaesthesia research in pediatric dentistry. International Association for Dental Research, General Session. Vancouver, BC, Canada. June 2019.
5. **Farmer J**, Ravaghi V, Quiñonez C. Income-related inequality in dental service use in Canada: 1994-2014. International Association for Dental Research, General Session. London, United Kingdom. July 2018.
6. **Farmer J**, Singhal S, Stein K, Sutherland S, Patrick D, Lalji F, Soucy B, Quiñonez C. Antibiotic prescribing Practices of dentists in Canada: Prophylactic antibiotics. University of Toronto Research Day. Toronto, ON, Canada. Feb 2018.
7. **Farmer J**, Phillips R, Singhal S, Quiñonez C. Inequalities in oral health: understanding the contributions of education and income. Canadian Association of Public Health Dentistry. Edmonton, AB, Canada. Sep 2016.
8. **Farmer J**, Peressini S, Lawrence HP. The role of the dental hygienist in reducing oral health disparities. Canadian Dental Hygienists Association, National Conference. Oct 2015. Victoria BC, Canada.
9. **Farmer J**, McLeod L, Siddiqi A, Ravaghi R, Quiñonez C. Measuring the magnitude of oral health related inequalities in Canada and the United States from 1970-2009. Canadian Association of Public Health Dentistry. Toronto ON, Canada. Sep 2015.

Conference presentations (Poster)

1. **Farmer J***, Roerig M, Allin S, Albert M, Carbone S. Team-based primary care in northern, rural and remote Canada: Lessons from three promising models. Canadian Association for Health Services and Policy Research. Montreal, Québec, May 2023.

2. **Farmer J**, Ravaghi V, Quiñonez C. Persistent but narrowing dental care inequalities in Canada from 2001 to 2016. Canadian Association for Health Services and Policy Research Conference. May 2020 (Cancelled due to COVID-19).
3. **Farmer J**, Quiñonez C. Examining contributors to inequalities in chewing difficulties. International Association for Dental Research, General Session. Mar 2017. San Francisco, CA, USA.
4. **Farmer J**, McLeod L, Siddiqi A, Ravaghi R, Quiñonez C. Measuring the magnitude of oral health related inequalities in Canada and the United States from 1970-2009. International Centre for Oral Health Research and Policy Launch Conference. London, United Kingdom. May 2015.

X. TEACHING EXPERIENCE

Undergraduate courses

Course Name	Format	Enrollment	Student Hours	Role	Year
DEN202Y1 Communication Skills	Tutorial	15	3	Facilitator	2015-present
DEN199Y1 Introduction to Comprehensive Care Clinics	Clinic	12	3	Instructor	2016,2020
DEN207Y1 Dental Public Health II	Tutorial	12-20	2	Facilitator	2016-2017
DPP111H1 Dental Public Health	Lecture	20	2	Lecturer	2016-2017
DEN403H1 Case Based Learning	Tutorial	15	3	Facilitator	2015-2016

Graduate courses

Course Name	Format	Enrollment	Student Hours	Role	Year
HAD5302H Measurement in Clinical Research	Seminar	20	3	Teaching Assistant	2019-present
DEN1015Y Oral Epidemiology	Lecture	6-8	3	Guest Lecturer	2016-present
DEN1006H Dental Public Health Seminars	Seminar	4-5	3	Guest Lecturer	2018-2022
DEN1015H Introduction to Biostatistics	Lecture	30	2	Guest Lecturer	2019
DNE1003Y Preventive Dentistry	Seminar	4	3	A/Course Director	2016

XI. CLINICAL EXPERIENCE

Registered Dental Hygienist	Midroni Family Dental Care	2012-Present
Registered Dental Hygienist	Coxwell Dental Health Centre	2013-2019
Registered Dental Hygienist	Boxgrove Dental Care	2012-2014
Registered Dental Hygienist	Yonge Street Mission/Evergreen Centre	2012-2014
Dental hygiene practicum student	Sunnybrook Health Sciences Centre	2012
Dental hygiene practicum student	Ontario Shores Centre for Mental Health Sciences	2012