

CURRICULUM VITAE

Christopher Scott Riolo DDS, MS, PhD
June, 2026

EDUCATION:

- PhD. 2006, Epidemiology, University of Michigan.
- M.S. 1995- Masters Degree, Orthodontics, University of Detroit Mercy.
Certificate, Orthodontics, 1995, University of Detroit Mercy.
- D.D.S. 1993- Doctor of Dental Surgery, University of Michigan.
- B.S. 1987- Bachelor of Science, Mathematics, University of Wisconsin,
Madison.

CLINICAL PRACTICE AND LICENSING:

- Licensed as General Dentist, State of Washington, 2009-Present
- Licensed as General Dentist, State of Michigan, 1993-2013
- Licensed as Orthodontic Specialist, State of Michigan, 1995-2013
- Private Practice in Seattle, WA 2010- present
- Clinical Practice, Sea Mar Community Health Centers, WA, 2011-2018
- Private Practice in Ann Arbor, MI 1995-2010

PROFESSIONAL ORGANIZATIONS AND AFFILIATIONS:

- American Association of Orthodontics, AAO, 1993 to present
 - AAO Big Data Task Force, May 2018-May 2019
- Great Lakes Society of Orthodontists, 1993 to 2010
- Pacific Coast Society of Orthodontists, PCSO, 2010-Present
 - PCSO NDR Committee member June 2021-Present
- Washington State Society of Orthodontists, WSSO
 - Board member 2014 to 2019
 - Secretary/Treasurer 2015 to 2017
 - Treasurer 2017 to 2019
- Michigan Association of Orthodontics
 - Board member, 2008 to 2011
 - Secretary, 2009 to 2010
 - Vice President, 2010 to 2011
- American Association of Lingual Orthodontists, ALOA 2008 to present
 - Board member ALOA 2017 to present
- Board Eligible Dental Public Health, 1998
- American Board of Orthodontics, Board Certified Orthodontics, 2005
 - Recertified 2009 through 2019
 - Recertified 2019 through 2029
- Angle Society, Northwest Component, 2017 to present
- American Journal of Orthodontics and Dentofacial Orthopedics
 - Editorial Review Board, 2009 to Present

TEACHING EXPERIENCE:

Affiliate Assistant Professor, University of Washington, School of Dentistry, Department of Orthodontics. 2013 to 2017

Affiliate Assistant Professor, University of Detroit Mercy, School of Dentistry, Department of orthodontics. 2020 to Present

Affiliate Associate Professor, University of Washington, School of Dentistry, Department of Orthodontics. 2017 to Present

Clinical Instructor, Ortho 575, 2013 to June 2014

Course director Ortho 582, June 2014 to June 2021

Course director Ortho 682, June 2014 to June 2021

RESEARCH EXPERIENCE:

2016-2019: Member of the “National Practice-Based Research network”, AOB Study.

2000-2006: Research Fellow University of Michigan, Dept. of Epidemiology.

1999: Externship at NIH at the NIDCR, Data analysis of NHANES III oral and respiratory data. faculty advisor: Dr. Brian Burt

1995-1998: NIH/NRSA Research Fellow, Epidemiology, School of Public Health, University of Michigan, Ann Arbor, Michigan

1992-93: Research assistant for Robert E. Moyers D.D.S., PhD., Center for Human Growth and Development, “Evaluation of Community Based Orthodontic Treatment”, funded by the American Association of Orthodontists Foundation.

1991-92: Awarded summer research fellowship, University of Michigan Dental School. “Prediction of Tooth Eruption and Emergence Using a Logistic Regression Model”.

1990-91: Awarded summer research fellowship, University of Michigan Dental School. “Regression Analysis for the Estimation of the Size of Unerupted Canines and Premolars”.

1987-89: Worked as research assistant at the Center for Human Growth and Development, University of Michigan.

RESEARCH PRESENTED:

Oral Presentation SER meeting, "When to Focus Infection Control on High Risk Groups". Society for Epidemiologic Research meeting, Atlanta GA., June 11-14, 2003.

Oral Presentation, MTSA workshop. Methods for the Description of Infection Graphs Using MTSA and Individual Event History Data. Michigan league, University of Michigan, July, 2003.

http://www.biomedware.com/conferences/mtsa2003_conference.html

Oral Presentation at the 1998 AADR meeting in Minneapolis Minn., "The modeling of complex systems".

Oral Presentation at the Moyers pre-symposium, Ann Arbor, Michigan. 1995 "Periodontal pathogen levels before and during fixed appliance therapy in children and adolescents".

Table clinic presentation at the 1994 combined Midwest and Great Lakes Association of Orthodontics meeting in Chicago IL., "Periodontal Pathogen Levels During Fixed Appliance Therapy".

Poster presentation at the 1992 AADR meeting in Boston MA., "Regression Analysis for the Estimation of the size of Canines and Premolars".

Poster presentation at the 1992 University of Michigan Table Clinic Day, "Prediction of Tooth Eruption and Emergence using Logistic Regression Model".

Oral presentation, student research presentation, University of Michigan Dental School, "Regression Analysis for the Estimation of the Size of Unerupted Canines and Premolars", 1992.

Poster presentation at the 1990-91 Michigan Ohio State Research Dual, Ohio State University Dental School, "Regression Analysis for the Estimation of the Size of Unerupted Canines and Premolars".

AWARDS / HONORS:

2006: "Outstanding Paper of the Year." Selected by the editors of the journal, *Epidemiology*, "When to control endemic infections by focusing on high-risk groups," authored by James Koopman, Carl Simon and Chris Riolo, published Sept 2005.

1995-1998: National Institute of Health, National Research Scientist Award (NIH/NRSA), Research Fellow, Epidemiology, School of Public Health, University of Michigan, Ann Arbor, Michigan

1994: First Place, Table Clinic Competition, combined Midwest and Great Lakes Association of Orthodontics.

1992: Finalist, in the Caulk-Dentsply competition, AADR, Boston MA.

1991: Third Place, University of Michigan Dental School Table Clinic Competition, University of Michigan.

1987: Third Place prize at the Mathematics Modeling Competition, University of Michigan.

Invited Lectures:

2026 ESLO, European Society of Lingual Orthodontics Meeting: Methods for Severe Openbite Correction using Lingual Appliances. Verona Italy, June 2026.

2024 ESLO, European Society of Lingual Orthodontics Meeting: Digital Workflow Lingual Orthodontic Treatment, Amsterdam Netherlands, June 2024.

2023 EHASO 45th Biennial Meeting: Esthetic Adult Orthodontic Treatment, Santa Fe, New Mexico, Oct 11-14, 2023

2023 Washington Academy of General Dentistry (WADG), Orthodontic Aligner Therapies Continuum: Diagnosis, Design, Manufacturing, Delivery and Retention. Jan through Sept. 2023

2023 Angle Society, Northwest Component: Esthetic Adult Orthodontics. Feb. 2023

2022 Bellevue Collaborative Study Club: Chapter of the Seattle Study Club. Jan. 2022
Title: "Keys to Successful Interdisciplinary Treatment"

- 2021 Washington Academy of General Dentistry (WADG), 1 Day workshop, Nov. 2021
 Session 1 – Are you still in the stone age? Get digital with 3D printing
 Session 2 – Take control of your workflow with “In-House” Aligners
- 2021 12th Annual International Conference of Orthodontic and Dentofacial Orthopedics Association of Nepal (ODOAN), May 2021. Orthodontic Custom Appliance Workflow to Maximize Esthetics and Efficiency.
- 2020 University of Detroit Mercy, Department of Orthodontics. Detroit, MI. Jan. 2020
 1 Day workshop: 3D Printing and In-House appliance workflow
- 2020 University of Washington, Department of Orthodontics. Ortho 582/682 Jan. 2020
 Topic: "Kokich 10 Commandments"
- 2019 MKS meeting, Dallas TX. 3D Printing Expo. Oct. 25th, 2019
 Title: Get Digital – Fundamentals of 3D printing and In-House Clear Aligners
- 2019 Northeastern Society of Orthodontists (NESO)
 Annual Meeting, Boston, Mass. Sept 27-29th.
 Title: Digital Technology in Orthodontics: Adding value to the care we offer our patients.
- 2019 American Association of Orthodontists Annual Meeting. Los Angeles, CA. May
 Title: In-House Custom Lingual Orthodontics Using 3D Printing
- 2019 American Association of Orthodontists Annual Meeting, Los Angeles, CA.
 May 3rd, 3D Printing Hands-On Workshop: Digital Design and Applications
- 2019 University of Washington, Department of Orthodontics. Ortho 582/682 April 2019
 Topic: Intro to lingual mechanics
- 2019 Northwest Angle Society annual meeting. Seattle, WA. Jan. 2019.
 Title: Digital Orthodontics: adding value to the care we offer our patients
- 2019 Moyers Symposium, Ann Arbor, MI. March 1-3, 2019
 Title: Digital technology in orthodontics: A custom appliance revolution on the horizon.
- 2019 Incognito Lingual Study Club Webinar, Sponsored by 3M Unitek. Aug. 30,
 Title: 3D printing in the management of impacted teeth
- 2018 David Turpin Evidence Based Symposium, Seattle WA. Aug. 2018
 Title: Digital Solutions for Esthetic Orthodontic Treatment

2018 University of Washington, Mini-Residency, Seattle WA. Aug 23, 2018
Topic: Lingual Orthodontic Concepts

2018 AAO annual meeting, Washington DC, May 2018

- 1 hour Doctor Lecture (Lingual Orthodontics)
- 2 hours staff Lecture (3D Printing)
- 3 hours of Hands on Workshop (3D Printing)

2018 University of Washington, DentPC 573, Clear Aligner therapy using the Invisalign System. March 5th, 2018

2018 Miami FL. ELOS (Lingual study Club), Feb 16th, 2018
Topic: Lecture on lingual orthodontics

2018 University of Washington, DentPC 573, Feb 26th, 2018
Title: Surgical Orthodontics: Introduction to Orthognathic Surgery

2018 University of Washington, Ortho 582 (Interdisciplinary Orthodontics), Introduction to Adult Interdisciplinary Orthodontics. Jan. 2018

2017 University of Washington, Mini-Residency (two lectures/ half day)
Title: Digital Orthodontics and 3D Printing, Sept. 2017
Title: Lingual Orthodontics, Sept. 2017

2017 3M Incognito Study Club, Sept 2017
2 webinars: 3D printing application for the provisional replacement of anterior teeth using custom lingual appliances.

2017 3M Users meeting, Santa Monica, CA.
Single day course: Lingual Orthodontics/ Digital Orthodontics

2017 University of Washington, Department of Orthodontics. Ortho 582/682 April 2017
Topic: 3D printing applications

2017 AAO annual meeting, San Diego, CA. May 2017
Title: Using lingual orthodontic appliances to provide esthetic treatment of impacted and missing anterior teeth

2017, University of Washington, Department of Orthodontics Ortho582/682.
Topic: Lingual Orthodontics

2016 University of Washington, Mini-Residency
Title: Topics in Lingual Orthodontics, Sept. 2016

2016 University of Washington Alumni Association: Alaska Cruise, July 2016
Title: Lingual Orthodontics

- 2016 AAO annual meeting, Orlando, FL. May 2016
Title: Lingual Orthodontics: Challenges and Opportunities
- 2016 University of Washington, Department of Orthodontics. Ortho582/682 Adult Ortho
Title: Introduction to Adult Lingual Orthodontics
- 2015 Circle of Excellence Study Club, Orlando, FL
Topic: Canine uncovering case presentations
- 2015 University of Washington, Mini-Residency, Aug. 2015
Topic: Lingual Orthodontics
- 2015 AAO annual meeting, San Francisco, CA. May 2015
Title: Lingual Orthodontics: An Essential Tool for the Orthodontic Specialist
- 2015 Incognito Annual Meeting, Orlando FL.
Topic: Presentation of Lingual Cases
- 2014 Circle of Excellence Annual Study Club, Chicago, IL.
Topic: Case presentations with clinical pearl
- 2014 University of Washington, mini-residency, Aug. 2014
Title: Lingual Orthodontics
- 2012 Rabin Study Club, Bellevue, WA. May, 2012
Title: Custom Orthodontic Appliances
- 2003 Society of epidemiologic Research (SER) meeting, Atlanta, GA.
Title: Controlling endemic infections by focusing on high-risk groups
- 1995 Moyers Pre-Symposium, Ann Arbor MI, March 1995
Title: Periodontal pathogen levels before and during fixed appliance therapy in children and adolescents

ABSTRACTS, MONOGRAPHS, WHITE PAPERS:

Kaltschmidt, C., Riolo C. Provisional restoration of missing anterior teeth: A 3D printing application. Ortho: International magazine of orthodontics. Vol 4, Issue 1, Pg106-7. April 2019.

Riolo, CS. Editorial: Lingual Orthodontics: Adding value to the care we offer our patients. Seminars in Orthodontics, Volume 24, Issue 3, September 2018, pg 269-270

Riolo CS. Lingual Case presentation, Innova, 3M Unitek, Oct. 2017.

Riolo CS, R. Kulbersh, M.L. Riolo, H. Haerian, P. Decker, "Periodontal Pathogen Levels During Fixed Orthodontic Appliance Therapy", abstract, transactions of the A.A.O. May, 1995.

Thornberg MJ, Kulbersh V, Riolo CS, Riolo ML, "Pretreatment Risk Assessment for Caries, Decalcification and Periodontal Disease in Orthodontic Patients.", abstract, transactions of the AAO. May, 1995.

Haerian H, Kulbersh R, Riolo CS, Closs L, "Association of Gingival Inflammation and Presence of Eight Periodontal Pathogens in Orthodontic Patients", abstract, transactions of the AAO. May, 1995.

Riolo ML, Thornberg MJ, Riolo CS, "Computer Assisted Communications and Treatment Planning for Orthodontic Practice" monograph published by ADD Press, 1994.

Riolo CS, Kowalski C, "Regression Analysis for the Estimation of the Size of Unerupted Canines and Premolars". abstract, J Dent Res vol 71, 1992, supported by USPHS grant DE07101.

Moyers RE, Riolo CS, Sanford SM, "Evaluation of Community Based Orthodontic Treatments", Final report submitted to AAOF, May, 1992.

Northway W, Tenhave T, Riolo CS, "Comparative Effects of High Pull Activator Versus Function Regulator Therapy". abstract, J Dent Res, vol 67, 1988.

CHAPTERS IN BOOKS:

Design It Yourself Orthodontics, In House Customized Lingual Orthodontic Appliances. Christopher Riolo DDS MS PhD. Ed: Nearchos Panayi, Quintessence, 2021

Bayirli B. Riolo CS, Clinical Epidemiology and Malocclusion, Chapter 10, p.. *IN* Riolo ML, Avery JK (eds.): *Essentials for Orthodontic Practice*, 3rd edition, EFOP Press, 2010.

Riolo CS, Vaden JL. "The Planning and Timing of Orthodontic Treatment". *Essentials of Orthodontic Practice*, Chapter 16, section III, Ed. Riolo ML., Avery JK (eds.): *Essentials for Orthodontic Practice*, 2nd edition, Grand Haven, a VitalSource Technologies, DVD publication, VitalSource key, www.vitalbook.com, 2007.

Bayirli B, Riolo CS, Thornberg M, Riolo ML. "Treatment Tactics for Problems Related to Dentofacial Discrepancies in Three Planes of Space." Chapter 10, In: *Mosby's Orthodontic Review*, eds: English J, Peltomaki T, Pham-Litschel, K. March, 2008.

Riolo CS, Vaden JL. "The Planning and Timing of Orthodontic Treatment". Essentials of Orthodontic Practice, Chapter 16, section III, Ed. Riolo ML., Avery JK (eds.): Essentials for Orthodontic Practice, 2nd edition, Grand Haven, a VitalSource Technologies, DVD publication, VitalSource key, www.vitalbook.com, 2007.

Riolo CS, Vaden JL. "The Planning and Timing of Orthodontic Treatment". Essentials of Orthodontic Practice, Chapter 16, section III, Ed. Riolo ML., Avery JK., EFOP Press, 2003.

Haerian H, Kulbersh R, Riolo CS, Closs L, "Risk Assessment for Caries and Decalcification in Orthodontic Patients", Chapter, Orthodontic Treatment: The Unfavorable Sequelae. Craniofacial Growth Series, Vol 31, Ed. McNamara, J.A., Trotman, C.A., University of Michigan, 1995.

Riolo CS, Kulbersh R, Thornberg MJ, Haerian H, "Periodontal Pathogen Levels Before and During Fixed Appliance Therapy", Chapter, Orthodontic Treatment: The Unfavorable Sequelae. Craniofacial Growth Series, Vol 31, Ed. McNamara, J.A., Trotman, C.A., University of Michigan, 1995.

PAPERS PUBLISHED IN PEER REVIEWED JOURNALS:

Riolo C., Vaden J. Taking Control of Your Workflow and Data. AJODO, 160:331-34, Sept. 2021

Riolo C.S. In-house custom orthodontics using 3D printing. Monograph, Digital Orthodontics: Ed. Bayirli B. Monograph, Symposium on Craniofacial Growth, 2019

Riolo C., Finkleman SA, Kaltschmidt C. Lingual orthodontics: Understanding the issues is the key to success with lingual mechanics. Seminars in Orthodontics, Volume 24, Issue 3, September 2018, pg 271-285

Riolo C. Lingual extraction and non-extraction case reports
Seminars in Orthodontics, Volume 24, Issue 3, pg 325-338, Sept. 2018

Vaden J.L, Riolo C.S., Riolo M.L.. An orthodontic registry: Producing evidence from existing resources. AJODO 152(3):289-91, Sept. 2017

Lipp M.J., Riolo C.S., Riolo M.L., Farkas J., Liu T., Cisneros G.J. Showing you care: An empathetic approach to doctor-patient communication. Seminars in Orthodontics. Volume 22, Issue 2, p85-94, June 2016

Thornberg MJ, Riolo CS, Bayirli B, Riolo ML, Van Tubergen EA, Kulbersh R. Periodontal Pathogen Levels in Adolescents Before, During, and After Fixed Orthodontic Appliance Therapy. AJODO, 135(1):95-98 Jan 2009.

Riolo CS. Epidemiologic Applications of Contact and Infection Network Data. Doctoral Dissertation, University of Michigan, 2006.

Koopman JS. Simon CP. Riolo CP. When to control endemic infections by focusing on high-risk groups. *Epidemiology*. 16(5):621-7, Sept., 2005.

Koopman JS., Chick SE., Riolo CS., Simon CP., Jacquez G. Stochastic Effects of Disseminating Versus Local Transmission of Infection. *Mathematical Biosciences*. 180:49-71, Nov-Dec., 2002.

Riolo CS., Koopman JS. Methods and Measures for the Description of Epidemiologic Contact Networks. *Journal of Urban Health*. 78(3):446-57, Sept., 2001.

Koopman JS, Chick SE, Riolo CS, et al. Modeling contact and infection transmission geographic and social space using GERMS. *Sex Transm Dis*; 27(10):617-626, 2000

Riolo CS., Kulbresh, R. Riolo, M. Haerian, H. Periodontal Pathogen level in an adolescent population before and during fixed appliance therapy. Monograph, Orthodontic treatment: management of unfavorable sequelae. Trotman, Carroll-Ann; McNamara, James A. Jr.; Symposium on Craniofacial Growth, pg 161-176, 1996

Haerian H. Kulbresh R., Closs L., Riolo C. Periodontal Pathogen level in an adolescent population before and after fixed appliance therapy. Monograph, Orthodontic treatment: management of unfavorable sequelae. Trotman, Carroll-Ann; McNamara, James A. Jr.; Symposium on Craniofacial Growth, pg 149-160, 1996