

CURRICULUM VITAE

DATE: June 2023

NAME: Daniel Benjamin Horton, MD, MSCE, FAAP, FACP, FISPE

PRESENT TITLE: Associate Professor of Pediatrics and Epidemiology with Tenure, Chancellor's Scholar

OFFICE ADDRESS: Institute for Health, Health Care Policy and Aging Research
Rutgers Biomedical and Health Sciences
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New Brunswick, NJ 08901

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CITIZENSHIP: United States

EDUCATION:

A. Undergraduate
Harvard College
Cambridge, MA
AB (Biology) *June 2001*

B. Graduate and Professional
Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine,
University of Pennsylvania
Philadelphia, PA
MSCE (Clinical Epidemiology) *May 2015*

Harvard Medical School
Boston, MA
MD (Medicine) *June 2008*

POSTGRADUATE TRAINING:

A. Internship and Residency
Children's Hospital of Philadelphia, Philadelphia, PA
Pediatrics
June 2008-June 2011

B. Clinical Fellowships
Nemours A.I. duPont Hospital for Children, Wilmington, DE
Pediatric Rheumatology
July 2011-June 2014

C. Research Fellowships
Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine,
University of Pennsylvania, Philadelphia, PA
NIH NRSA T32-GM075766 Clinical Pharmacoepidemiology Institutional Fellowship
July 2012-June 2014

D. Postdoctoral Appointments
Rutgers Biomedical and Health Sciences, New Brunswick, NJ
Pharmacoepidemiology and Biomedical Informatics Postdoctoral Fellowship
July 2015-June 2016

*Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine,
University of Pennsylvania, Philadelphia, PA
NIH NRSA F32-AR066461 Individual Postdoctoral Fellowship
July 2014-June 2015*

ACADEMIC APPOINTMENTS:

*Rutgers Center for Pharmacoepidemiology and Treatment Science, New Brunswick, NJ
Core Faculty
July 2017-present*

*Biostatistics and Epidemiology
Rutgers School of Public Health, Piscataway, NJ
Associate Professor of Epidemiology
April 2023-present*

*Assistant Professor of Epidemiology
January 2017-April 2023*

*Pediatrics
Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ
Associate Professor of Pediatrics with Tenure
April 2023-present*

*Chancellor's Scholar
August 2016-present*

*Assistant Professor of Pediatrics
August 2016-April 2023*

*Institute for Health, Health Care Policy and Aging Research
Core Faculty
August 2016-present*

*Pediatrics
Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ
Adjunct Instructor of Pediatrics
November 2015-July 2016*

HOSPITAL APPOINTMENTS:

*Pediatrics
Rutgers Robert Wood Johnson University Hospital, New Brunswick, NJ
Attending Physician, Division of Pediatric Rheumatology
September 2016-present*

*Pediatrics
Nemours A.I. duPont Hospital for Children, Wilmington, DE
Attending Physician, Pediatric Rheumatology
July 2014-June 2015*

*Pediatrics
Nemours A.I. duPont Hospital for Children, Wilmington, DE
Attending Physician, General Pediatrics
January 2012-June 2015*

OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS:

*Sarcoma Division
Dana-Farber Cancer Institute, Boston, MA
Clinical Research Coordinator
October 2002-June 2004*

*Cardiovascular Medicine
Brigham and Women's Hospital, Boston, MA
Technical Research Assistant
July 2001-August 2002*

CERTIFICATION: *General Pediatrics
Pediatric Rheumatology*

MEMBERSHIPS, OFFICES AND COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:

International Societies:

*International Society for Pharmacoepidemiology
Fellow
2023-present
Member, Public Policy Committee
2022-present
Chair, Pediatric Special Interest Group
2019-2020
Member, Scientific Program Committee
2018-present
Chair, Local Host Committee
2018-2019
Vice-Chair, Pediatric Special Interest Group
2018-2019
Secretary, Pediatric Special Interest Group
2017-2018
Member, Pediatric Special Interest Group
2015-present
Member
2013-present*

*Childhood Arthritis and Rheumatology Research Alliance
Appointed Representative, Steering Committee, 2022-present
Member, Steering Committee, 2021-present
Vice Chair, Juvenile Idiopathic Arthritis Committee, 2021-present
Co-leader, Juvenile Idiopathic Arthritis Inactive Disease Workgroup
2016-2021
Founding Member, Fellows Section Leadership Committee
2012-2014
Member
2011-present*

National Societies:

*American Academy of Pediatrics
Member, Section on Advances in Therapeutics and Technology
2017-present
Fellow
2015-present
Member, Section on Rheumatology
2015-present
Member
2008-present*

*American College of Rheumatology
Member, Committee on Journal Publications
2022-present
Fellow
2017-present*

Member
2011-present

Society for Epidemiologic Research
Member
2016-present

Society for Pediatric Research
Elected Member
2016-present

Regional Societies:
Massachusetts Medical Society
Member
2004-2009

Pediatric Rheumatology Regional Study Group
Member
2012-2015

HONORS AND AWARDS:

Special ISPE Award for Contributions to Public Health Associated with the COVID-19 Pandemic
International Society for Pharmacoepidemiology
2022

Chancellor Clinical / Health Sciences Investigator Award
Rutgers Biomedical & Health Sciences
2021

Travel Award for European League Against Rheumatism European Congress of Rheumatology, Pediatric Rheumatology European Society (PReS) Congress, and EMEUNET-PReS EMERGE Young Investigators Meeting
Childhood Arthritis and Rheumatology Research Alliance
2019

Program for Early Career Excellence
Rutgers University
2018-2021

First Place, Pediatrics Poster Spotlight Session, International Conference on Pharmacoepidemiology & Therapeutic Risk Management
International Society for Pharmacoepidemiology
2015

Distinguished Fellow Award
American College of Rheumatology
2014

Marshall J. Schiff, MD Memorial Fellow Research Award
Rheumatology Research Foundation
2014

Pharmacoepidemiology and Drug Safety Best Reviewer
Pharmacoepidemiology and Drug Safety
2014

Fellows-in-Training Annual Meeting Scholarship
American College of Rheumatology
2011-2013

*Senior Resident Teaching Award
Children's Hospital of Philadelphia
2011*

*Donald J. Cohen Fellowship in Child Psychiatry
Harvard Medical School
2005-6*

*Traveling Fellowship, Chile Spanish Language and Service Learning Program
Harvard Medical School
2005*

*Magna Cum Laude with Highest Honors, Biology Concentration
Harvard College
2001*

*Harvard College Research Program Award
Harvard College
2000*

*John Harvard Scholarship
Harvard College
1999-2001*

*Harvard College Scholarship
Harvard College
1998*

*National Merit Scholarship
Harvard College
1997-2001*

SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:

*Guest Reviewer, Patient-Centered Outcomes Research Institute (2022)
Guest Reviewer, Childhood Arthritis and Rheumatology Research Alliance (2022, 2023)
Guest Reviewer, NIH/NIAMS Loan Repayment Program Review Panel (2021, 2022)
Guest Reviewer, NIH/NIAMS Special Grants Review Committee (2020, 2021)
Guest Reviewer, NIH/NCATS Special Emphasis Panel (2020)
Consultant, Drug Safety and Risk Management Advisory Committee, Food and Drug Administration (2017-present)*

SERVICE ON MAJOR COMMITTEES:

A. International

*Member, Childhood Arthritis and Rheumatology Research Alliance-Arthritis Foundation (AF) Inflammatory Arthritis Research Agenda Task Force (2023-present)
Member, Juvenile Idiopathic Arthritis Physician Global Assessment (PhGA) Initiative (2022-present)
Member, Planning Committee, 2023 American College of Rheumatology Pediatric Rheumatology Symposium (2022-2023)
Member, Steering Committee, Childhood Arthritis and Rheumatology Research Alliance (2021-present)
Steering Committee Representative (appointed) (2022-present)
Vice-Chair, Juvenile Idiopathic Arthritis Committee, Childhood Arthritis and Rheumatology Research Alliance (2021-present)
Member, Scientific Program Committee, 2019-2023 International Conference on Pharmacoepidemiology and Therapeutic Risk Management (2018- present)
Member, Safe Gathering Subcommittee (2021-present)
Member, Core Oversight Team, American College of Rheumatology Juvenile Idiopathic Arthritis Management Guideline Development Group (2019-2022)*

Chair, Local Host Committee, 2019 International Conference on Pharmacoepidemiology and Therapeutic Risk Management (2018-2019)

B. National

Member, Committee on Journal Publications, American College of Rheumatology (2022-present)

Member, Policy Development Team on Prescribing of Generic and Biosimilar Medications, American Academy of Pediatrics (2021-present)

C. Rutgers University

Member, Rutgers Enterprise REDCap Oversight Committee, Rutgers University (2023-present)

Faculty Director, Survey / Data Core, Institute for Health, Health Care Policy, and Aging Research, Rutgers Biomedical & Health Sciences (2023-present)

Member, Search Committee for Director of the Institute for Health, Health Care Policy, and Aging Research, Rutgers Biomedical & Health Sciences (2022-present)

Member, Rutgers School of Public Health Review Committee, Rutgers Biomedical & Health Sciences (2022-present)

Member, Executive Committee, New Jersey Kids Study, Rutgers University (2021-present)

Chair, Faculty Search Committee, Rutgers Center for Pharmacoepidemiology and Treatment Science, Institute for Health, Health Care Policy and Aging Research, Rutgers Biomedical & Health Sciences (2021-present)

Member, Faculty Search Committee, Rutgers Global Health Institute, Rutgers Biomedical & Health Sciences (2021-present)
Co-Leader, Team Science Core, New Jersey Alliance for Clinical and Translational Science (NJ ACTS, NIH Clinical and Translational Science Award (CTSA) to Rutgers University, Princeton University, and New Jersey Institute for Technology) (2021-present)

Member, Research Advisory Committee, New Jersey Integrated Population Health Data (iPHD) Project, Rutgers Center for State Health Policy, Institute for Health, Health Care Policy and Aging Research, Rutgers Biomedical & Health Sciences (2021-present)

Member, NJ Practice-Based Research Network Internal Executive Committee, Institute for Health, Health Care Policy and Aging Research, Rutgers Biomedical & Health Sciences (2021-present)

Member, Methodology Committee, Department of Pediatrics, Rutgers Robert Wood Johnson Medical School (2020-present)

Co-Chair, Pediatric Resident Scholarly Oversight Committee, Department of Pediatrics, Rutgers Robert Wood Johnson Medical School (2020-present)

Member, Research Strategic Plan Population Health Subcommittee, Rutgers Biomedical & Health Sciences (2020-2021)

Founding Steering Committee Member, Child Health & Well-Being Research Common Interest Group, Rutgers University (2019-present)

Member, Faculty Search Committees: Pharmacoepidemiology Researcher, Institute for Health, Health Care Policy and Aging Research (2016, 2018-2021); Pediatric Rheumatologist, Rutgers Robert Wood Johnson Medical School (2017-2019); Clinical Health Services Researcher, Institute for Health, Health Care Policy and Aging Research (2018-2019)

D. Editorial Boards

Member, Editorial Board, Pediatric Drugs (2019-present)

Associate Editor, Pharmacoepidemiology and Drug Safety (2018-present)

E. *Ad Hoc Reviewer, Journals*

ACR Open Rheumatology (2021-present)

American Journal of Epidemiology (2022-present)

Archives of Disease in Childhood (2021-present)

Arthritis and Rheumatology (2017-present)

Arthritis Care and Research (2022-present)

BMC Pediatrics (2020-present)

Clinical Orthopaedics and Related Research (*2017-present*)
 Clinical Rheumatology (*2016-present*)
 Drug Safety (*2019-present*)
 Drugs – Real World Outcomes (*2017-present*)
 European Journal of Pediatrics (*2020-present*)
 Genes and Immunity (*2018-present*)
 Health Affairs (*2020-present*)
 Health Expectations (*2022-present*)
 International Journal of Epidemiology (*2023-present*)
 International Journal of Obesity (*2018-present*)
 Journal of Clinical Medicine (*2019-present*)
 Journal of Pediatric Infectious Diseases (*2016-present*)
 Journal of Pediatrics (*2018-present*)
 Journal of Rheumatology (*2018-present*)
 Neurotherapeutics (*2020-present*)
 Pediatric Allergy and Immunology (*2018-present*)
 Pediatric Drugs (*2019-present*)
 Pediatric Rheumatology Online Journal (*2015-present*)
 Pediatrics (*2018-present*)
 Pharmacoepidemiology and Drug Safety (*2014-present*)
 PLOS ONE (*2018-present*)
 Seminars in Arthritis and Rheumatism (*2017-present*)
 World Journal of Pediatrics (*2020-present*)

F. *Ad Hoc Reviewer, Institutional Grants*

New Jersey Integrated Population Health Data (iPHD) Program, Rutgers Center for State Health Policy (2022)
New Jersey Alliance For Clinical and Translational Science (NJ CTSAs) (2021)

SERVICE ON GRADUATE SCHOOL COMMITTEES:

Director, Clinical Epidemiology Certificate Program, Rutgers School of Public Health (2021-present)
Member, Evidence Based Medicine Task Force, Rutgers Robert Wood Johnson Medical School (2019-present)
Member, Curriculum Committee, Master of Science of Clinical and Translational Science, Rutgers University (2019-2020)

TEACHING RESPONSIBILITIES:

A. Lectures or Course Directorships

Rutgers Robert Wood Johnson Medical School; Tobacco cessation outreach trial, Journal Club; Facilitator for journal club discussion; 1.5 hours, November 2022.
Rheum2Play, Virtual Case Discussion and Teaching on Juvenile Idiopathic Arthritis for US Pediatric Rheumatology Fellows; Content expert; 1 hour, October 2022
Rutgers Robert Wood Johnson Medical School; Course Director, Clinical Research Statistics, Non-Credit Elective co-created with mentee Matthew Beier; 7 hours, spring 2022
Rutgers Robert Wood Johnson Medical School; Prognosis for Pediatric End-Stage Renal Disease, Journal Club; Facilitator for journal club discussion; 1.5 hours, spring 2022-2023.
Rutgers Robert Wood Johnson Medical School; Breaking the Bad News; Facilitator for session for pediatric residents; 1 hour, spring 2022
Rutgers Robert Wood Johnson Medical School; Implicit Bias in Healthcare; Facilitator for small group journal club discussion; 1.5 hours, spring 2021
Rutgers Robert Wood Johnson Medical School; Research Track for Internal Medicine Residents; Scientific writing and publishing; 1 hour, spring 2021
Childhood Arthritis and Rheumatology Research Alliance; Early Investigator Specific Aims Review Session; panelist and reviewer; 1 hour each, spring 2021, fall 2021, spring 2022, spring 2023.

Rutgers Institute for Health, Health Care Policy and Aging Research; Grant Writing Workshop for junior faculty; guest panelist for session on Developing a Strong Specific Aims; 2 hours, fall 2020

Rutgers School of Public Health; PhD Critical Appraisal Seminar; 1 hour, fall 2020

Rutgers School of Public Health; Intermediate Pharmacoepidemiology; Pediatric Pharmacoepidemiology; 2 hours, fall 2020-2022

Rutgers School of Public Health; Master's Program Pharmacoepidemiology Independent Study; Pediatric and Pregnancy-Related Pharmacoepidemiology; 1 hour, spring 2020

Rutgers Robert Wood Johnson Medical School; Research Track for Internal Medicine Residents; Instructor in biostatistics; 1.5 hours, fall 2019

Rutgers Institute for Health, Health Care Policy and Aging Research; K-Award Grant Writing Workshop for junior faculty; guest panelist for session on Surviving Peer Review; 1.5 hours, fall 2019

Rutgers Robert Wood Johnson Medical School; Evidence-Based Medicine Unit for first year medical students; Instructor in Data Interpretation Workshop, Causality, and Human Subjects in Research Session; 6 hours, fall 2019-present

International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Pre-conference Course on Pediatric Pharmacoepidemiology; Instructor, "Growth and Development: Variables of Particular Importance in Pediatric Pharmacoepidemiology"; Co-director (2019); 4 hours per year, summers 2017, 2018, 2019, 2021, 2023

Institute for Health, Healthcare Policy and Aging Research; Summer Research Internship Program; Lecture and journal club on pharmacoepidemiology; 2 hours, summer 2018

Rutgers Robert Wood Johnson Medical School; Pediatric Resident and Medical Student Rheumatology Education; Juvenile Idiopathic Arthritis, Systemic Lupus Erythematosus, Vasculitis; 1-2 hours per year, fall 2016-present

Nemours A.I. duPont Hospital for Children; Rheumatology Educational Conference; Clostridium difficile infection-associated reactive arthritis, Methotrexate toxicity in juvenile idiopathic arthritis, Mevalonate kinase deficiency, Premedication for infliximab infusions, Rheumatologic manifestations of inflammatory bowel disease, Temporomandibular arthritis, TNF inhibitors and cancer, Vaccines and the immunocompromised; Journal club facilitator (monthly); 1 hour per month, fall 2011-spring 2015

Nemours A.I. duPont Hospital for Children; Pediatric Resident and Medical Student Rheumatology Education; Acute rheumatic fever, Chronic nonbacterial osteomyelitis, Juvenile dermatomyositis, Juvenile idiopathic arthritis, Hemophagocytic lymphohistiocytosis/macrophage activating syndrome, Lyme disease, Mixed connective tissue disease, Periodic fever syndromes, Orbital pseudotumor, Sarcoidosis, Systemic lupus erythematosus, Tubulointerstitial nephritis and uveitis syndrome, Vasculitis; 0.25 hour per quarter, fall 2011-spring 2015

Center for Clinical Epidemiology and Biostatistics, Perelman School of Medicine, University of Pennsylvania; Topics in Pharmacoepidemiology / Pharmaco-epidemiology Rounds; Case control vs. cohort studies, Effectiveness and confounding by indication, Molecular pharmacoepidemiology, Propensity scores; Journal club facilitator (various); 1 hour per semester, fall 2012-spring 2015

Jefferson Medical College, Nemours A.I. duPont Hospital for Children; Resident Noon Conference Lecture Series; Limp in children; 1 hour, spring 2012

Children's Hospital of Philadelphia; Pediatric Medical Student Educational Series; Neonatal examination, Pediatric cardiology cases, Pediatric shelf review; 4 hours, spring 2011

Children's Hospital of Philadelphia; Pediatric Resident Educational Conference; Congenital adrenal hyperplasia, Hypoventilation and obesity, Incontinentia pigmenti, Pulmonary hemorrhage, Upper respiratory tract infections, pharyngitis, and sinusitis; Journal club: diabetic ketoacidosis, childhood resiliency; Intern report facilitator: lead poisoning, viral encephalitis; 1-2 hours per semester, summer 2008-spring 2011

CLINICAL RESPONSIBILITIES:

Pediatric Rheumatology Attending (2016-present): evaluate and treat children, adolescents, and young adults referred for and/or affected by rheumatic and musculoskeletal diseases in the inpatient and outpatient settings at Rutgers Robert Wood Johnson Medical School and Robert Wood Johnson University Hospital; perform inpatient and outpatient consultations.

Pediatric Rheumatology Attending (2014-2015): evaluated and treated children, adolescents, and young adults referred for and/or affected by rheumatic and musculoskeletal diseases in the inpatient, outpatient, and emergency settings at Nemours A.I. duPont Hospital for Children; performed inpatient and outpatient consultations; maintained a primary panel of patients in outpatient rheumatology clinic; performed intra-articular glucocorticoid injections.

General Pediatrics Attending (2012-2015): treated children, adolescents, and young adults in the urgent care and inpatient setting at Nemours A.I. duPont Hospital for Children

GRANT SUPPORT:

A. Principal Investigator

1. NIH/NICHD, R01-HD109335 "Safety of Drugs Commonly Used Off Label in Children Despite Insufficient Evidence of Efficacy and Safety," 9/19/2022-5/30/2027, \$2,118,240 direct, \$3,325,636 total (PI Horton)
2. NIH/NIAID, R01-AI158911-02S1 Supplement to "Cohort and biomarkers for COVID-19 severity, natural history, and reinfection," 9/8/2022-8/31/2023, \$140,531 direct, \$220,634 total (MPI Blaser, Barrett, Gennaro, Horton)
3. Childhood Arthritis and Rheumatology Research Alliance, Large Grant Award, "Pilot of Adalimumab Withdrawal (PAW)," 4/15/2022-4/14/2024, \$95,169 direct, \$100,000 total (MPI Horton, Verstegen)
4. NIH/NIAID, R01-AI158911-01A1 "Cohort and biomarkers for COVID-19 severity, natural history, and reinfection," 9/17/2021-8/31/2024, \$1,499,943 direct, \$2,354,910 total (MPI Blaser, Barrett, Gennaro, Horton)
5. Danisco USA Inc., "Live Microbials to Boost Anti-SARS-CoV-2 Immunity Clinical Trial (Live BASIC Trial)," 2/1/2021-12/31/2022, \$438,849 direct, \$672,434 total
6. NIH/NICHD, R61/R33-HD105619 "COVID-19 Network of Networks Expanding Clinical and Translational approaches to Predict Severe Illness in Children (CONNECT to Predict SIck Children)," 1/1/2021-11/30/2024, \$3,514,781 direct, \$4,647,186 total (MPI Kleinman, Gennaro, Horton)
7. NIH/NIAMS, R01-AR074436 "Antibiotics, Juvenile Idiopathic Arthritis, and Antirheumatic Treatment Response," 8/16/2019-6/30/2023, \$1,535,371 direct, \$2,189,956 total
8. Childhood Arthritis and Rheumatology Research Alliance-Arthritis Foundation, Biostatistics Support Grant (Principal Investigator), "Stopping medicines for juvenile idiopathic arthritis: perspectives of patients and families," 8/1/2018-7/31/2019, \$10,000
9. New Jersey Health Foundation Research Grant, "Antibiotics and the effectiveness of the seasonal influenza vaccine," 3/1/2018-2/28/2019, \$35,000
10. NIH/NIAMS, K23-AR070286 Mentored Patient-Oriented Research Career Development Award, "Drugs, Germs, and Joints: Antibiotics, Gut Microbiota, and Juvenile Idiopathic Arthritis," 9/15/2016-8/31/2021, \$879,100
11. NIH/NIAMS, L40-AR070497 Pediatric Research Loan Repayment Program, "Drugs, Germs, and Joints: Antibiotics, Gut Microbiota, and Juvenile Idiopathic Arthritis," 7/1/2016-6/30/2020, \$38,935
12. Childhood Arthritis and Rheumatology Research Alliance-Arthritis Foundation, Small Project Grant, "Medication discontinuation for juvenile idiopathic arthritis: perspectives of young people with JIA and their families," 6/1/2016-5/30/2017 (no cost extension to 5/30/2018), \$23,195
13. NIH NRSA F32-AR066461 Individual Postdoctoral Fellowship, "Glucocorticoid use and osteonecrosis in chronic pediatric inflammatory diseases," 7/22/2014-6/30/2015, \$76,998

B. Co-Investigator

1. *The State of New Jersey, "New Jersey Kids Study (NJKS)," 9/1/2021-8/31/2023, \$3,500,000 total (MPI Blaser, Barrett) (role: Clinical Director)*
2. *NIH/NCATS, UL1TR003017-02S2, Supplement to "New Jersey Alliance for Clinical and Translational Science: NJ ACTS," 9/25/2020-2/28/2022, \$3,199,897 direct, \$4,991,339 total (PI Panettieri)*
3. *NIH/NCATS, UL1TR003017-02S1, Supplement to "New Jersey Alliance for Clinical and Translational Science: NJ ACTS," 7/16/2020-2/28/2021, \$950,000 direct, \$1,482,000 total (PI Panettieri) (role: Co-Director, Epidemiology Core)*
4. *CCRP2, Intramural Social Science Research Pilot Grant, "Moving beyond the biopsychosocial model: understanding the medical and non-medical needs of immunosuppressed children, adolescents and young adults with rheumatic and other autoimmune diseases during the COVID-19 pandemic," \$30,000 direct (Co-PIs Moorthy, Kleinman)*
5. *NIH/NIAID, U01A122285-05S1 "Cohort study of SARS-CoV-2 incidence, risk factors, and disease severity in healthcare workers," 05/01/2020-10/31/2020, \$998,737 direct, \$1,558,030 total (PI Blaser) (role: Co-Director, Epidemiology Core)*
6. *Rheumatology Research Foundation Innovative Research Award, "Disease recapture after drug discontinuation and flare in JIA," 11/1/2019-7/31/2021, \$310,549 total (PI Ringold)*
7. *NIH/NCATS, UL1TR003017, "New Jersey Alliance for Clinical and Translational Science: NJ ACTS," 3/1/19-2/29/24, \$23,381,580 total (PI Panettieri) (role: Co-leader, Team Science Core)*
8. *BMS, Subcontract from RTI, "A Comparison of Record Linkage Software and Algorithms Using Real-World Data," 5/1/2017-2/28/2018, \$93,617 total (PI Gerhard)*

C. Pending

1. *NIH, UG3OD035527, "New Jersey ECHO," 9/1/2023-8/31/2030, \$7,887,818 direct, \$11,846,988 total (MPI Barrett, Blaser, Dominguez-Bello, Horton, Jimenez, Palomares) (Impact Score 27, funding announcement pending)*

PUBLICATIONS:

A. Refereed Original Article in Journal

Mentees underlined

1. *Gazarian, Madlen; **Horton, Daniel B.**; Carleton, Bruce; Kinlaw, Alan C.; Bushnell, Greta A.; Czaja, Angela S.; PharmD, Geneviève D.; Gorman, Emily F.; Titievsky, Lina; Zito, Julie; Slaughter, Jonathan L.; dosReis, Susan; Optimizing therapeutic decision-making for off-label medicines use: a scoping review and consensus recommendations for improving practice and research. Pharmacoepidemiology and Drug Safety; May 19, 2023 [Epub ahead of print].*
2. *Henderson, Mackenzie; **Horton, Daniel B.**; Bhise, Vikram; Pal, Gian; Bushnell, Greta; Dave, Chintan; Initiation patterns of disease-modifying therapies for multiple sclerosis among U.S. adults and children, 2001-2020; JAMA Neurology; accepted for publication, 2023.*
3. ***Horton, Daniel B.**; Neikirk, Amanda L.; Yang, Yiling; Huang, Cecilia; Panettieri, Reynold A.; Crystal, Stephen; Strom, Brian L.; Parlett, Lauren E.; Childhood asthma diagnoses declined during the COVID-19 pandemic in the United States. Respiratory Research, 24(1): 72, 2023. PMCID PMC9999066.*
4. *Casseus, Myriam; Kim, Wun Jung; **Horton, Daniel B.**; Prevalence and treatment of mental, behavioral, and developmental disorders in children with co-occurring autism spectrum disorder and attention-deficit/hyperactivity disorder: a population-based study; Autism Research, 16(4):855-867, 2023; PMCID: PMC10160807.*
5. *Varma, Vijay R.; Desai, Rishi J.; Navakkode, Sheeja; Wong, Lik-Wei; Anerillas, arlos; Loeffler, Tina; Schilcher, Irene; Mahesri, Mufaddal; Chin, Kristyn; **Horton, Daniel B.**; Kim, Seoyoung C.; Gerhard, Tobias; Segal, Jodi B.; Schneeweiss, Sebastian; Gorospe, Myriam; Sajikumar, Sreedharan; Thambisetty, Madhav; Hydroxychloroquine lowers Alzheimer's disease and related dementias risk and*

rescues molecular phenotypes related to Alzheimer's disease; Molecular Psychiatry, 2023; 28(3):1312-1326. PMCID: PMC10005941.

6. *Bushnell, Greta; Sun, Jenny W.; dosReis, Susan; Castillo, Wendy C.; Czaja, Angela S.; Durrieu, Geneviève; Gerhard, Tobias; Lee, Haeyoung; Kaguelidou, Florentia; Pudasainee-Kapri, Sangita; Raman, Sudha; Spence, O'Mareen; Horton, Daniel B.; Geographic trends in pediatric psychotropic medication dispensing before and after the start of the COVID-19 pandemic; Psychiatric Services, Feb 8, 2023 [Epub ahead of print].*
7. *Jimenez, Alejandra L.; Valle, Ana; Mustehsan, Mohammed H.; Wang, Shudan; Law, Jammie; Guerrero, Maria S.; Mowry, Wenzhu B.; Horton, Daniel B.; Briceno, David; Broder, Anna; The Association of Hydroxychloroquine Dosing with Adverse Cardiac Events in Patients with Systemic Lupus Erythematosus. Arthritis Care & Research, Nov 4, 2022 [Epub ahead of print]. PMCID: PMC10156898.*
8. *Desai, Rishi J.; Mahesri, Mufaddal; Lee, Su B.; Varma, Vijay R.; Gerhard, Tobias; Segal, Jodi B.; Ritchey, Mary B.; Horton, Daniel B.; Kim, Seoyoung C.; Schneeweiss, Sebastian; Thambisetty, Madhav; No association between initiation of phosphodiesterase-5 inhibitors and risk of incident Alzheimer's disease and related dementia: results from the Drug Repurposing for Effective Alzheimer's Medicines (DREAM) study; Brain Communications; 2022, 4(5):fcac247. PMCID: PMC9598543.*
9. *Barrett, Emily; Andrews, Tracy R.; Roy, Jason; Greenberg, Patricia; Ferrante, Jeanne M.; Horton, Daniel B.; Gordon, Marsha; Rivera-Núñez, Zorimar; Pellerano, Maria B.; Tallia, Alfred F.; Budolfsen, Mark; Georgopoulos, Panos; Reed, Dorothy; Lynn, Beverly; Rosati, Robert; Castañeda, Manuel; Dixon, Francis; Pernell, Chris; Hill, Diane; Jimenez, Manuel E.; Blaser, Martin J.; Panettieri, Reynold; Hudson, Shawna V; Community vs Health Care Organization-Based Approaches to Expand At-Home COVID-19 Testing in Black and Latino Communities, New Jersey, 2021; American Journal of Public Health; 2022; 112(S9):S918-S922. PMCID: PMC9707722.*
10. *Ringold, Sarah; Dennos, Anne C.; Kimura, Yukiko; Beukelman, Timothy; Shrader, Peter; Phillips, Thomas A.; Kohlheim, Melanie; Schanberg, Laura E.; Yeung, Rae S.; Horton, Daniel B.; Disease recapture rates after medication discontinuation and flare in JIA: An observational study within the Childhood Arthritis and Rheumatology Research Alliance Registry; Arthritis Care & Research, 2023; 75(4):715-723.*
Discussed in accompanying editorial in Arthritis Care & Research. Recognized as one of the year's top clinical research papers in pediatric rheumatology at the 2022 American College of Rheumatology Convergence Annual Meeting.
11. *Desai, Rishi J.; Varma, Vijay R.; Gerhard, Tobias; Segal, Jodi; Mahesri, Mufaddal; Chin, Kristyn; Horton, Daniel B.; Kim, Seoyoung C.; Schneeweiss, Sebastian; Thambisetty, Madhav; Comparative risk of Alzheimer's disease and related dementia in patients treated with targeted disease modifying antirheumatic agents: results from the DREAM study; JAMA Network Open; 5(4):e226567; 2022. PMCID: PMC8994126.*
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B. Books, Monographs and Chapters

1. **Horton, Daniel B.; Bhullar, Harshvinder; Cunningham, Francesca; Sultana, Janet; Trifirò, Gianluca; Chapter 9, Examples of Existing Automated Databases: Electronic Health Record Databases; In: Textbook of Pharmacoepidemiology, Third Edition; Strom, Brian L.; Kimmel, Stephen E.; Hennessy, Sean, Editors; Wiley, West Sussex, UK, 2021.**
2. **Horton, Daniel B.; Hernandez-Diaz, Sonia; Lasky, Tamar; Huybrechts, Krista F.; Chapter 22, Special Applications of Pharmacoepidemiology—Research on the Effects of Medications in Pregnancy and in Children; In: Textbook of Pharmacoepidemiology, Third Edition; Strom, Brian L.; Kimmel, Stephen E.; Hennessy, Sean, Editors; Wiley, West Sussex, UK, 2021.**
3. **Horton, Daniel B.; Bhullar, Harshvinder; Carty, Lucy; Cunningham, Francesca; Ogdie-Beatty, Alexis; Sultana, Janet; Trifirò, Gianluca; Chapter 13, Electronic Health Record Databases; In: Pharmacoepidemiology (Textbook), Sixth Edition; Strom, Brian L.; Kimmel, Stephen E.; Hennessy, Sean, Editors; Wiley, West Sussex, UK, 2019.**
4. **Horton, Daniel B.; Hernandez-Diaz, Sonia; Lasky, Tamar; Huybrechts, Krista F.; Chapter 22, Research on the Effects of Medications in Pregnancy and in Children; In: Pharmacoepidemiology (Textbook), Sixth Edition; Strom, Brian L.; Kimmel, Stephen E.; Hennessy, Sean, Editors; Wiley, West Sussex, UK, 2019.**
5. **Horton, Daniel B.; Kinsman, Sara B; Chapter 82, Substance use disorders; In: Netter's Pediatrics (Textbook), First Edition; Florin, Todd A.; Ludwig, Stephen, Editors; pp. 518-521; Elsevier, Philadelphia, PA, 2011.**

C. Other Articles

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1. **Bushnell, Greta; Horton, Daniel B.; Gerhard, Tobias; Feeling anxious yet? Interpreting findings on drug safety from large healthcare databases; Clinical and Translational Science; 15(6):1328-1331, 2022.**
Invited commentary.
2. **Horton, Daniel B.; Reder, Anthony T.; Medications for Multiple Sclerosis and Risk of Malignancy: What Next?; Neurotherapeutics; 18(3):1650-1653, 2021. PMCID: PMC8608937.**
Invited commentary.
3. **Horton, Daniel; Blum, Michael D.; Burcu, Mehmet; Real-world evidence for assessing treatment effectiveness and safety in pediatric populations; The Journal of Pediatrics; 238: 312-316, 2021. PMCID: PMC8249672.**
4. **Panettieri, Reynold A; Carson, Jeffrey; Horton, Daniel; Barrett, Emily; Roy, Jason; Radbel, Jared; Asthma and COVID: what are the important questions? Journal of**

Allergy and Clinical Immunology: In Practice; S2213-2198(20)30606-1, 2020.
PMCID: PMC7306741.

5. **Horton, Daniel B.**; Blaser, Martin J.; commentary on "Early childhood antibiotic treatment for otitis media and other respiratory tract infections is associated with risk of type 1 diabetes: a nationwide register-based study with sibling analysis" (published in Diabetes Care); Journal of Pediatrics; 224:179-183, 2020.
Invited commentary.
6. **Horton, Daniel B.**; Shenoi, Susan; Review of Environmental Risks in Juvenile Idiopathic Arthritis; Open Access Rheumatology: Research and Reviews; 11: 253-267, 2019. PMCID: PMC6842741.
7. **Horton, Daniel B.**; Juliano, Theresa; Taylor, Matthew T.; Gerhard, Tobias; Documented pain diagnoses in adults prescribed opioids; Annals of Internal Medicine; 171(4):306-307, 2019.
Letter to the editor.
8. **Horton, Daniel B.**; JIA and the gut microbiome: More clues, more questions; Arthritis and Rheumatology; 71(6): 842-845, 2019.
Invited editorial.
9. **Horton, Daniel B.**; DeCamp, Marcus M.; Boiselle, Phillip M.; Roberts, David H.; Chest Film Clinic: What caused an elevated diaphragm in this woman with cough and dyspnea?; Journal of Respiratory Diseases; 28(9):397-404, 2007.

D. Abstracts

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Peer Reviewed Abstracts

1. **Horton, Daniel B.**; Parlett, Lauren E.; Reiff, Daniel D.; McGuire, Sarah E.; Hoffman, Patricia A.; Pothraj, Sonia; Salvant, Cynthia; Moorthy, Lakshmi N.; Huang, Cecilia; Koffman, Dawn; Iozzo, Matthew; Beachler, Daniel C.; Haynes, Kevin; Schott, Kevin; Davidow, Amy; Crystal, Stephen; Gerhard, Tobias; Strom, Brian L.; Rose, Carlos; Validation of ICD-9- and ICD-10-based diagnostic algorithms for juvenile idiopathic arthritis within a large US commercial claims database. International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Halifax, Nova Scotia, Canada, August 2023, abstract #1466779 (Poster presentation)
2. **Horton, Daniel B.**; Yang, Yiling; Neikirk, Amanda; Huang, Cecilia; Crystal, Stephen; Davidow, Amy; Haynes, Kevin; Gerhard, Tobias; Rose, Carlos; Strom, Brian; Parlett, Lauren E.; Impact of the COVID-19 pandemic on the management of juvenile idiopathic arthritis: an analysis of national United States administrative claims data; American College of Rheumatology Convergence Annual Meeting, Philadelphia, November 2022, abstract #0862 (Poster presentation)
3. **Horton, Daniel B.**; Neikirk, Amanda; Yang, Yiling; Huang, Cecilia; Crystal, Stephen; Davidow, Amy; Haynes, Kevin; Gerhard, Tobias; Rose, Carlos; Strom, Brian; Parlett, Lauren E.; Incidence of juvenile idiopathic arthritis during the COVID-19 pandemic: an analysis of national United States administrative claims data; American College of Rheumatology Convergence Annual Meeting, Philadelphia, November 2022, abstract #0861 (Poster presentation, Ignite Talk)
4. Atanassova, Tania J.; Huang, Cecilia; Madej, Joanna; McGuire, Sarah E.; Gerhard, Tobias; Strom, Brian L.; **Horton, Daniel B.**; Association between antihistamine exposure and newly diagnosed juvenile idiopathic arthritis: a nationwide analysis; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark, August 2022 (Poster presentation)
Chosen for Pediatric Spotlight Session, with a 3-minute presentation.
5. Madej, Joanna; Zhang, Yingting; Atanassova, Tania J.; McGuire, Sarah E.; **Horton, Daniel B.**; Acid suppressive medication and the incidence of chronic childhood immunological diseases: a scoping review; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark, August 2022 (Poster presentation)
6. Bushnell, Greta; Sun, Jenny; Castillo, Wendy C.; Czaja, Angela; dosReis, Susan; Gerhard, Tobias; Kaguelidou, Florentia; Lee, Haeyoung; Pudasainee-Kapri,

Sangita; Raman, Sudha; Horton, Daniel B.; Pediatric psychotropic prescriptions dispensed in the US early in the COVID-19 pandemic; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark, August 2022 (Poster presentation)

Chosen for Pediatric Spotlight Session, with a 3-minute presentation.

7. Parlett, Lauren E.; Yang, Yiling; Neikirk, Amanda; Huang, Cecilia; Crystal, Stephen; Davidow, Amy; Haynes, Kevin; Gerhard, Tobias; Rose, Carlos; Strom, Brian; **Horton, Daniel B.**; Healthcare utilization and treatment among newly diagnosed and prevalent children with juvenile idiopathic arthritis during the first year of COVID-19 pandemic in the US; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark, August 2022 (Poster presentation)
8. Parlett, Lauren E.; Neikirk, Amanda; Huang, Cecilia; Crystal, Stephen; Davidow, Amy; Haynes, Kevin; Gerhard, Tobias; Rose, Carlos; Strom, Brian; **Horton, Daniel B.**; Changes in incidence and characteristics of juvenile idiopathic arthritis diagnoses from ICD-9-CM to ICD-10-CM; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Copenhagen, Denmark, August 2022 (Poster presentation)
9. Coneti, Vaishnavi; Duffy, Valerie B.; **Horton, Daniel B.**; Hayes, John E.; Barrett, Emily S.; Carson, Jeffrey L.; Blaser, Martin J.; Panettieri Jr., Reynold A.; Rawal, Shristi; Pre- and post-COVID-19 assessments of taste and smell in a prospective cohort study in New Jersey; ACHEMS 2022 Annual Meeting, Bonita Springs, FL, April 2022 (Poster presentation)
10. McGuire, Sarah E.; Atanassova, Tania J.; Madej, Joanna; **Horton, Daniel B.**; for the CARRA Registry Investigators; Relationship between race, ethnicity, and time to diagnosis of juvenile idiopathic arthritis; Childhood Arthritis and Rheumatology Research Alliance Virtual Annual Scientific Meeting, May 2022 (Poster presentation).
11. McGuire, Sarah E.; Atanassova, Tania J.; Madej, Joanna; **Horton, Daniel B.**; for the CARRA Registry Investigators; Relationship between race, ethnicity, and time to diagnosis of juvenile idiopathic arthritis; Pediatric Academic Societies Meeting, Denver, CO, April 2022; abstract # 1181965 (Oral presentation).
12. Moorthy, Lakshmi; Freidenrich, Lauren; Mikesell, Lisa; Fadem, Sarah; Bhise, Vikram; Brodsky, Richard; Cahill, Ellen; Carlson, Joann; Hao, Yue; **Horton, Daniel B.**; Hsu, Vivien; Rodriguez, Editt; Salazar, Christian; Salvant, Cynthia; Kleinman, Lawrence C. Satisfaction with telemedicine in immunosuppressed children and young adults with autoimmune disease during the COVID 19 pandemic: Are Their Needs Really Met? Preliminary Data from a Single Institution; American College of Rheumatology Convergence Virtual Meeting, November 2021; abstract # 1064350 (Poster presentation)
13. Twilt, Marinka; Baszis, Kevin; Ringold, Sarah; Beukelman, Timothy; Dennos, Anne; Schrader, Peter; **Horton, Daniel B.** for the CARRA Registry investigators; Methotrexate withdrawal and outcomes in participants with well-controlled non-systemic JIA within the CARRA Registry; American College of Rheumatology Convergence Virtual Meeting, November 2021; abstract # 1065846 (Poster presentation)
14. **Horton, Daniel B.**; Parlett, Lauren E.; Huang, Cecilia; Crystal, Stephen; Davidow, Amy L.; Gerhard, Tobias; Rose, Carlos D.; Haynes, Kevin; Brian L. Strom; JIA diagnoses and trends from 2006-2019: Has the U.S. ICD-9-to-ICD-10 transition created coding artifacts? American College of Rheumatology Convergence Virtual Meeting, November 2021; abstract # 1065596 (Poster presentation)
15. Beier, Matthew A.; Setoguchi, Soko; Gerhard, Tobias; Roy, Jason; Gabbeta, Avinash; Strom, Brian L.; Blaser, Martin J.; **Horton, Daniel B.**; Early life antibiotic exposure and incident chronic diseases in childhood; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, August 2021 (Oral presentation)
16. Benack, Kirk; Nyandege, Abner; Nonnenmacher, Edward; Jan, Saira; Setoguchi, Soko; Gerhard, Tobias; Strom, Brian L.; **Horton, Daniel B.**; Validity of claims-

based algorithms to identify patients with test-positive influenza; International Conference on Pharmacoepidemiology & Therapeutic Risk Management, August 2021 (Poster presentation)
Chosen for Vaccine Spotlight Session, with a 2-minute presentation.

17. Beier, Matthew A.; Setoguchi, Soko; Gerhard, Tobias; Roy, Jason; Gabbeta, Avinash; Strom, Brian L.; Blaser, Martin J.; **Horton, Daniel B.**; *Early life antibiotic exposure and incident chronic diseases in childhood; International Society for Pharmacoepidemiology Virtual Mid-Year Meeting, April 2021; abstract #964892 (Oral presentation)*

18. Beier, Matthew A.; Setoguchi, Soko; Gerhard, Tobias; Roy, Jason; Gabbeta, Avinash; Strom, Brian L.; Blaser, Martin J.; **Horton, Daniel B.**; *Prenatal and early-life antibiotic exposure and chronic pediatric diseases; Pediatric Academic Societies Virtual Meeting, April 2021; abstract #3536450 (e-Poster presentation)*

19. Gabbeta, Avinash; Mulvihill, Evan; Beukelman, Timothy; Lewis, James D.; Rose, Carlos D.; Strom, Brian L.; **Horton, Daniel B.**; *Validation of new antirheumatic drug use as a proxy for increased JIA disease activity; American College of Rheumatology Convergence Virtual Meeting, November 2020; abstract #909282 (Poster presentation)*

20. Taylor, Matthew T.; Gmuca, Sabrina; Boneparth, Alexis; Moorthy, L. Nandini; **Horton, Daniel B.**; *Comorbidities and treatments in united states youth with chronic musculoskeletal pain; Presented at the American College of Rheumatology Annual Meeting; Atlanta, GA, November 2019; abstract #699164 (Poster presentation)*

21. **Horton, Daniel B.**; Turnbaugh, Peter J.; Plevy, Scott E.; Setoguchi, Soko; Gerhard, Tobias; Lewis, James D.; *Drugs and germs: Dirty details about pharmacoepidemiology and the microbiome; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019; abstract #35 (Symposium)*

22. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Curtis, Jeffrey R.; Strom, Brian L.; Beukelman, Timothy; *Oral glucocorticoids and venous thromboembolism in children; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019; abstract #5788 (Poster presentation)*
Chosen for Pediatric Spotlight Session, with a 3-minute presentation.

23. **Horton, Daniel B.**; Strom, Brian L.; Taylor, Matthew T.; Gerhard, Tobias; *On- and off-label psychotropic drug prescribing to children with attention-deficit/hyperactivity disorder in the United States, 2002-2015; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019; abstract #34 (Poster presentation)*
Chosen for Pediatric Spotlight Session, with a 3-minute presentation.

24. **Horton, Daniel B.**; Gerhard, Tobias; Strom, Brian L.; *Cough and cold medicine recommendations for children in the United States, 2002-2015; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019; abstract #5800 (Poster presentation)*

25. Taylor, Matthew T.; **Horton, Daniel B.**; *Comorbidities and treatments in united states youth with chronic musculoskeletal pain; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019; abstract #6883 (Poster presentation)*

26. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Curtis, Jeffrey R.; Strom, Brian L.; Beukelman, Timothy; *Oral glucocorticoids and incident diabetes mellitus, hypertension, and thrombosis in children with chronic diseases; Presented at the European League Against Rheumatism European Congress of Rheumatology and Pediatric Rheumatology European Society (PReS) Congress; Madrid, Spain, June 2019; abstract # FRI0534 (Poster presentation)*
Chosen for Poster Tour, with a 2-minute presentation, and for presentation on EULAR TV.

27. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Curtis, Jeffrey R.; Strom, Brian L.; Beukelman, Timothy; *Oral glucocorticoids and incident diabetes mellitus, hypertension, and thrombosis in children with chronic diseases;*

Presented at the EMEUNET-PRoS EMERGE Young Investigators Meeting; June 2019 (Oral presentation)

28. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Curtis, Jeffrey R.; Strom, Brian L.; Beukelman, Timothy; *Oral glucocorticoids and incident diabetes mellitus, hypertension, and thrombosis in children with chronic diseases; Presented at the Pediatric Academic Societies Meeting; Baltimore, Maryland, April 2019; abstract #3169276 (Oral presentation)*
29. **Horton, Daniel B.**; Salas, Jomaira; Wec, Aleksandra; Beukelman, Timothy; Boneparth, Alexis; Guzman, Jaime; Haverkamp, Ky; Kohlheim, Melanie; Mannion, Melissa; Moorthy, L. Nandini; Stringer, Elizabeth; Tucker, Lori; Ringold, Sarah; Rosenthal, Marsha; *Stopping medicines for inactive juvenile idiopathic arthritis: What do patients and families consider?; Presented at the Childhood Arthritis and Rheumatology Research Alliance Annual Meeting; Louisville, KY, April 2019; abstract #614778 (Oral presentation)*
30. **Horton, Daniel B.**; Salas, Jomaira; Wec, Aleksandra; Beukelman, Timothy; Boneparth, Alexis; Guzman, Jaime; Haverkamp, Ky; Kohlheim, Melanie; Mannion, Melissa; Moorthy, L. Nandini; Stringer, Elizabeth; Tucker, Lori; Ringold, Sarah; Rosenthal, Marsha; *Stopping medicines for inactive juvenile idiopathic arthritis: What do patients and families consider?; Presented at the American College of Rheumatology Annual Meeting; Chicago, IL, October 2018; abstract #979 (Oral presentation)*
31. Morgan, Esi M.; Munro, Jane; Horonjeff, Jennifer; Horgan, Ben; Shea, Beverley; Feldman, Brian; Chairman, Hayyah; Bingham III, Clifton O.; Thornhill, Susan; Strand, Vibeke; Alongi, Alessandra; Magni-Manzoni, Silvia; van Rossum, Marion A.J.; Vesely, Richard; Vojinovic, Jelena; Brunner, Hermine; Harris, Julia G.; **Horton, Daniel B.**; Lovell, Daniel J.; Mannion, Melissa; Rahimi, Homaira; Ringold, Sarah; Ruperto, Nicola; Schrandt, M. Suzanne; Shenoi, Susan; Shiff, Natalie J.; Toupin-April, Karine; Tzaribachev, Nikolay; Weiss, Pamela; Consolaro, Alessandro; *New consensus on an updated core domain set for clinical trials in juvenile idiopathic arthritis program; Presented at the American College of Rheumatology Annual Meeting; Chicago, IL, October 2018; abstract #981 (Oral presentation)*
32. Karr, Alan F.; West, Suzanne L.; Taylor, Matthew T.; Setoguchi, Soko; Kou, Doug; Gerhard, Tobias; **Horton, Daniel B.**; *A comparison of record linkage software and algorithms using real-world data; Presented at the International Population Data Linkage Conference; Banff, Canada, September 2018 (Oral presentation)*
33. **Horton, Daniel B.**; Hoon, Divya; Taylor, Matthew T.; Gerhard, Tobias; Strom, Brian L.; *Off-label systemic drug utilization in a large us pediatric population; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic, August 2018; abstract #837 (Poster presentation)*
Chosen for Pediatric Spotlight Session, with a 3-minute presentation.
34. West, Suzanne L.; Karr, Alan F.; Taylor, Matthew T.; Setoguchi, Soko; Kou, Doug; Gerhard, Tobias; **Horton, Daniel B.**; *A comparison of record linkage software and algorithms using real-world data; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic, August 2018 (Poster presentation)*
35. Taylor, Matthew T.; **Horton Daniel B.**; Juliano, Theresa; Gerhard, Tobias; *Unpacking the association between mental health disorders and opioid prescribing; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic, August 2018 (Poster presentation)*
36. Setoguchi, Soko; Stang, Paul; Perez-Gutthann, Susana; May, Frank; Klungel, Olaf; Strom, Brian L.; Sahin, Leyla; Caduff, Pia; Zhou, Wei; Young, Jessica C.; Chou Su, Chien; Hester, Laura; Zhu, Yanmin; Cesta, Carolyn; Zabiuddin Ahad, Mohammad; **Horton, Daniel B.**; Hernandez-Diaz, S.; *It Takes a Village Part II: Workshop to reconsider core competencies for new generations in the global and rapidly changing community of pharmacoepidemiology; International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic,*

August 2018 (Symposium).

37. **Horton, Daniel B.**; Xie, Fenglong; Mannion, Melissa L.; Ringold, Sarah; Correll, Colleen K.; Dennos, Anne C.; Beukelman, Timothy; Factors Related to Sustained Discontinuation of medications for well-controlled JIA in the Childhood Arthritis & Rheumatology Research Alliance Registry; Presented at the Childhood Arthritis and Rheumatology Research Alliance Annual Meeting, Denver, CO, April 2018; abstract #35 (Poster presentation)
38. **Horton, Daniel B.**; Salas, Jomaira; Wec, Aleksandra; Beukelman, Timothy; Boneparth, Alexis; Guzman, Jaime; Haverkamp, Ky; Kohlheim, Melanie; Mannion, Melissa; Moorthy, L. Nandini; Stringer, Elizabeth; Tucker, Lori; Ringold, Sarah; Rosenthal, Marsha; Stopping medicines for inactive juvenile idiopathic arthritis: What do patients and families consider; Presented at the Childhood Arthritis and Rheumatology Research Alliance Annual Meeting, Denver, CO, April 2018; abstract #5 (Poster presentation)
39. **Horton, Daniel B.**; Xie, Fenglong; Mannion, Melissa L.; Ringold, Sarah; Correll, Colleen K.; Dennos, Anne C.; Beukelman, Timothy; Factors related to sustained discontinuation of medications for well-controlled JIA in the Childhood Arthritis & Rheumatology Research Alliance Registry; Presented at the American College of Rheumatology Annual Meeting, San Diego, CA, November 2017; abstract #66034 (Poster presentation)
40. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Strom, Brian L.; Curtis, Jeffrey R.; Beukelman, Timothy; Oral glucocorticoids and incident diabetes mellitus and hypertension in children with chronic diseases; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Montreal, Canada, August 2017; abstract #2301 (Oral presentation)
41. Beukelman, Timothy; Xie, Fenglong; Chen, Lang; **Horton, Daniel B.**; Lewis, James D.; Mamtani, Ron; Mannion, Melissa L.; Saag, Kenneth G.; Zhang, J; Curtis, Jeffrey R.; The risk of malignancy associated with use of tumor necrosis factor inhibitors in childhood; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Montreal, Canada, August 2017 (Oral presentation)
42. Setoguchi, Soko; Yang, Yea-Huei Kao; Strom, Brian L.; Stang, Paul; **Horton, Daniel B.**; Gerhard, Tobias; Perez-Gutthann, Susana; Hampp, Christian; Klungel, Olaf; It takes a village: Raising a global community of pharmacoepidemiologists through high-quality education; Organizer and participant, International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Montreal, Canada, August 2017 (Symposium).
43. **Horton, Daniel B.**; Salas, Jomaira; Wec, Aleksandra; Beukelman, Timothy; Boneparth, Alexis; Haverkamp, Ky; Kohlheim, Melanie; Mannion, Melissa; Moorthy, L. Nandini; Ringold, Sarah; Rosenthal, Marsha; How young people with juvenile idiopathic arthritis and their caregivers weigh the risks of the disease and its treatment: a mixed-methods study; Presented at the Childhood Arthritis and Rheumatology Research Alliance Annual Meeting and Pediatric Rheumatology Symposium, Houston, TX, May 2017; abstract #52 (Poster presentation)
44. **Horton, Daniel B.**; Taxter, Alysha J.; Groh, Brandt; Sherry, David D.; Rose, Carlos D.; Comparative effectiveness of second-line treatment strategies for Lyme arthritis in children; Presented at the American College of Rheumatology Annual Meeting, Washington, D.C., November 2016; abstract #946 (Oral presentation)
45. **Horton, Daniel B.**; Taxter, Alysha J.; Groh, Brandt; Sherry, David D.; Rose, Carlos D.; Clinical and treatment factors associated with antibiotic-refractory Lyme arthritis in children; Presented at the American College of Rheumatology Annual Meeting, Washington, D.C., November 2016; abstract #2400 (Poster presentation)
46. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Strom, Brian L.; Curtis, Jeffrey R.; Beukelman, Timothy; Oral glucocorticoids and rates of incident diabetes mellitus and hypertension in children with juvenile idiopathic arthritis and attention-deficit/hyperactivity disorder; Presented at the American College of Rheumatology Annual Meeting, Washington, D.C., November 2016; abstract #412 (Poster presentation)
47. Beukelman, Timothy; Xie, Fenglong; Chen, Lang; **Horton, Daniel B.**; Lewis, James

D.; Mamtani, Ron; Mannion, Melissa L.; Saag, Kenneth G.; Zhang, J; Curtis, Jeffrey R.; *Tumor necrosis factor inhibitors and the risk of malignancy in the treatment of juvenile idiopathic arthritis; Presented at the American College of Rheumatology Annual Meeting, Washington, D.C., November 2016; abstract #2982 (Oral presentation)*

48. Horonjeff, Jennifer R.; Thornhill, Susan; **Horton, Daniel B.**; Stinson, Jennifer N.; Fortna, Anjali; Luca, Stephanie; Vinci, Arlene; Marrow, Laura C.; Creek, Emily L.; Riebschleger, Meredith; Consolaro, Alessandro; Munro, Jane; Strand, Vibeke; Bingham III, Clifton; Morgan, Esi; *Reconsidering the juvenile idiopathic arthritis core set: how patients and caregivers define disease activity. Presented at the American College of Rheumatology Annual Meeting, Washington, D.C., November 2016; abstract #3115 (Oral presentation)*

49. **Horton, Daniel B.**; Gerhard, Tobias; Davidow, Amy; Strom, Brian L.; *Impact of the black triangle label on prescribing of new drugs in the United Kingdom; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Dublin, Ireland, August 2016; abstract #602 (Poster presentation)*

50. Collins, Molly; **Horton, Daniel**; Worster, Brooke; *Feasibility of outpatient advance care planning discussions: adventures of a primary care physician; Presented at the American Academy of Hospice and Palliative Medicine Annual Assembly, Chicago, IL, March 2016; abstract #S761 (Poster presentation)*

51. **Horton, Daniel B.**; Haynes, Kevin; Denburg, Michelle R.; Thacker, Mihir M.; Rose, Carlos D.; Putt, Mary E.; Leonard, Mary B.; Strom, Brian L.; *Oral glucocorticoid use and osteonecrosis in chronic inflammatory diseases: a population-based cohort study; Presented at the American College of Rheumatology Annual Meeting, San Francisco, CA, November 2015; abstract #51681 (Poster presentation)*

52. **Horton, Daniel B.**; Strom, Brian L.; Putt, Mary E.; Rose, Carlos D.; Sammons, Julia S.; *Clostridium difficile infection-associated reactive arthritis in a pediatric cohort; Presented at the American College of Rheumatology Annual Meeting, San Francisco, CA, November 2015; abstract #49614 (Poster presentation)*

53. **Horton, Daniel B.**; Haynes, Kevin; Denburg, Michelle R.; Thacker, Mihir M.; Rose, Carlos D.; Putt, Mary E.; Strom, Brian L.; *Oral glucocorticoid use and osteonecrosis in chronic inflammatory diseases: a population-based cohort study; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Boston, MA, August 2015; abstract #880 (Oral presentation)*

54. **Horton, Daniel B.**; Scott, Frank I.; Haynes, Kevin; Putt, Mary E.; Rose, Carlos D.; Lewis, James D.; Strom, Brian L.; *Antibiotic exposure and the development of pediatric psoriasis: a population-based case-control study; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Boston, MA, August 2015; abstract #797 (Poster presentation)*
Chosen for Pediatric Spotlight Session, with a 3-minute presentation. Winner of First Place award among posters presented in the session.

55. Scott, Frank I.; **Horton, Daniel B.**; Mamtani, Ronac; Lee, Dale Y.; Haynes, Kevin; Lewis, James D.; *The impact of antibiotic exposures early in life on childhood obesity; Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management, Boston, MA, August 2015; abstract #484 (Poster presentation)*

56. Eutsler, Eric; **Horton, Daniel**; Epelman, Monica; Averill, Lauren. *Localized scleroderma in children: musculoskeletal MRI findings. Presented at the Society for Pediatric Radiology Annual Meeting; Bellevue, WA; April 2015 (Oral presentation)*

57. **Horton, Daniel B.**; Scott, Frank I.; Haynes, Kevin; Putt, Mary E.; Rose, Carlos D.; Lewis, James D.; Strom, Brian L.; *Antibiotic exposure and the development of juvenile idiopathic arthritis: a population-based case-control study; Presented at the American College of Rheumatology Annual Meeting, Boston, MA, November 2014; abstract #929 (Oral presentation)*

58. **Horton, Daniel B.**; Strom, Brian L.; Putt, Mary E.; Rose, Carlos D.; Sammons, Julia S.; *Clostridium difficile infection-associated reactive arthritis in a pediatric cohort; Presented at the Pediatric Rheumatology Symposium, Orlando, FL, April 2014; abstract #55 (Poster presentation)*

59. Morgan, Jeffrey A.; George, Suzanne; Desai, Jayesh; St. Amand, Myra; **Horton, Daniel B.**; Wilkins, Erin; Manola, Judith; Demetri, George D.; *Phase II study of gemcitabine/vinorelbine as first or second line chemotherapy in patients with metastatic soft tissue sarcoma; Presented at the American Society of Clinical Oncology Annual Meeting, New Orleans, LA, June 2004; abstract #9009 (Poster presentation)*
60. **Horton, Daniel B.**; Varo, Nerea; LaClair, Samantha J.; Kinlay, Scott; Ganz, Peter; Schönbeck, Uwe; *HMG-CoA reductase inhibitors diminish interstitial collagen turnover in human vascular smooth muscle cells; Presented at the American Heart Association Scientific Sessions, Orlando, FL, November 2003; p. 286 (Poster presentation)*

Non-Peer Reviewed Abstracts

Mentees underlined

1. McGuire, Sarah E.; Atanassova, Tania J.; Madej, Joanna; Jimenez, Manuel B.; **Horton, Daniel B.**; *for the CARRA Registry Investigators; Relationship between race, ethnicity, and time to diagnosis of juvenile idiopathic arthritis; Presented at RWJMS Department of Pediatrics Research Day, New Brunswick, NJ, May 2022 (Oral presentation)*
2. Beier, Matthew A.; Setoguchi, Soko; Gerhard, Tobias; Roy, Jason; Gabbeta, Avinash; Strom, Brian L.; Blaser, Martin J.; **Horton, Daniel B.**; *Prenatal and early-life antibiotic exposure and chronic pediatric diseases; Presented at Department of Pediatrics Research Day, New Brunswick, NJ, June 2021 (e-Poster presentation)*
3. Taylor, Matthew T.; Gerhard, Tobias; Strom, Brian L.; **Horton, Daniel B.**; *On- and off-label psychotropic drug prescribing to children with attention-deficit/hyperactivity disorder in the United States, 2002-2015; Presented at Department of Pediatrics Research Day, New Brunswick, NJ, June 2019 (Oral poster presentation given by mentee, Matthew T. Taylor)*
4. **Horton, Daniel B.**; Hoon, Divya; Taylor, Matthew T.; Gerhard, Tobias; Strom, Brian L.; *Off-label systemic drug utilization in a large us pediatric population; Presented at Department of Pediatrics Research Day, New Brunswick, NJ, June 2018 (Oral presentation given by mentee, Matthew T. Taylor)*
5. **Horton, Daniel B.**; Salas, Jomaira; Wec, Aleksandra; Beukelman, Timothy; Boneparth, Alexis; Guzman, Jaime; Haverkamp, Ky; Kohlheim, Melanie; Mannion, Melissa; Moorthy, L. Nandini; Stringer, Elizabeth; Tucker, Lori; Ringold, Sarah; Rosenthal, Marsha; *Stopping medicines for inactive juvenile idiopathic arthritis: What do patients and families consider?; Presented at Department of Pediatrics Research Day, New Brunswick, NJ, June 2018 (Poster presentation)*
6. **Horton, Daniel B.**; Xie, Fenglong; Chen, Lang; Mannion, Melissa L.; Strom, Brian L.; Curtis, Jeff R.; Beukelman, Timothy; *Oral glucocorticoids and incident hypertension, diabetes mellitus, and thrombosis in children with chronic diseases; Presented at Department of Pediatrics Research Day, New Brunswick, NJ, June 2018 (Poster presentation)*
7. Srygley, Jennifer M.; Hirsh, David A.; Chen, Jennifer Y.; Du, Yang; **Horton, Daniel B.**; Kotagal, Meera; Lepp, Anya P.; Seidman, Dominika L.; Zerden, Matthew L.; Zwang, Nicholas A.; Roberts, David H.; *A student-directed learning community: the spontaneous pilot; Presented at Harvard Medical Education Day, Boston, MA, 2007 (Poster presentation)*

PRESENTATIONS:

Scientific:

Invited international presentations

"Medication withdrawal in JIA"; Invited lecture and panel discussion, American College of Rheumatology Pediatric Rheumatology Symposium; Virtual meeting, May 2021.

"Application of the new JIA guidelines in clinical practice"; Invited lecture and panel discussion, American College of Rheumatology Convergence Virtual Meeting; November 2020.

"Stopping medicines for juvenile idiopathic arthritis: perspectives of patients and families"; Invited lecture, Childhood Arthritis and Rheumatology Research Alliance Annual Meeting;

Denver, CO, April 2018.

"Early life factors related to microbiota and the risk of juvenile idiopathic arthritis"; Invited lecture, clinical symposium, American College of Rheumatology Annual Meeting; San Diego, CA, November 2017.

Other international presentations

"Introduction on the symposium and microbiome"; and "Methodologic considerations for pharmacoepidemiologic studies of microbiome-related drugs"; Lectures in symposium, Drugs and Germs: Dirty Details about Pharmacoepidemiology and the Microbiome; International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019.

"Off-label drug use for rare pediatric diseases"; Lecture in symposium, Rare Disease Development Programs: An Update; International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic, August 2018.

Invited national presentations

"LYST Variants and the Risk of MIS-C"; Lecture to the NIH/NICHD and the PreVAIL kIds Consortium, December 2022

"Antibiotics, the microbiome, and juvenile idiopathic arthritis: Causation or mere association?"; American Pediatric Society/Society for Pediatric Research Journeys and Frontiers in Pediatric Research 2021-2022 Program, May 2022.

"CONNECT to Predict SIck Children: Progress and Capacity"; Lecture to the NIH/NICHD and the PreVAIL kIds Consortium, August 2021

"Medications and remission"; Invited lecture, 2018 National Juvenile Arthritis Conference; Washington, DC, August 2018.

Invited regional presentations

"Pharmacoepidemiology and the microbiome"; Invited lecture, Causal Inference Summer Institute; New Brunswick, NJ, July 2019.

"Drugs, germs, and joints: Antibiotics, microbiota, and childhood arthritis"; Department of Pediatrics Grand Rounds, Nemours A.I. duPont Hospital for Children; Wilmington, DE, January 2017.

Invited local presentations

"Antibiotics, the microbiome, and the origins of childhood diseases: One physician-scientist's journey"; Invited lecture for MD/PhD program, Rutgers Robert Wood Johnson Medical School; May 2023.

"COVID-19 in hospital workers: rates and risk factors"; Brown Bag Seminar, Rutgers Institute for Health, Health Care Policy and Aging Research; February 2021.

"Impact of COVID-19 on health care workers"; Department of Pediatrics Grand Rounds, Rutgers Robert Wood Johnson Medical School; New Brunswick, NJ, June 2020.

"Uncovering the origins of childhood arthritis"; Invited lecture to the Health Affairs Committee of the Rutgers Board of Governors; New Brunswick, NJ, June 2019.

"Microbiome disruption and childhood arthritis: Causation or mere association?"; Key note presentation, Department of Pediatrics Research Day, Rutgers Robert Wood Johnson Medical School, June 2017.

"Drugs, germs, and joints: Antibiotics and juvenile idiopathic arthritis"; Department of Pediatrics Grand Rounds, Rutgers Robert Wood Johnson Medical School; New Brunswick, NJ, January 2016.

"Pharmacoepidemiology of drugs that treat (and cause?) autoimmune diseases"; Rutgers Biomedical and Health Sciences; New Brunswick, NJ and Newark, NJ, March 2015.

Other local presentations

"Rutgers Corona Cohort Study"; Team Science Seminar, New Jersey Alliance for Clinical and Translational Science; December 2022.

"COVID-19 in hospital workers: what can we learn from NJ cohorts?"; Research-in-progress, Rutgers Center For COVID-19 Response and Pandemic Preparedness (CCRP2); January 2021.

Master's thesis protocol presentation: "Oral glucocorticoid use and osteonecrosis in chronic inflammatory diseases"; Center for Clinical Epidemiology, Perelman School of Medicine, University of Pennsylvania; Philadelphia, PA, April 2013.

Professional:

International presentations

Session moderator; Juvenile Idiopathic Arthritis Session, Plenary I Session, Autoinflammatory/Vasculitis Poster Breakout Session, American College of Rheumatology Pediatric Rheumatology Symposium; New Orleans, LA, April 2023

Session moderator; Juvenile Idiopathic Arthritis Committee, Translational Research and Technology Committee, Childhood Arthritis and Rheumatology Research Alliance Annual Scientific Meeting; New Orleans, LA, March 2023

Session moderator; Study Design Approaches to Assessing Thrombosis Risk, International Conference on Pharmacoepidemiology and Therapeutic Risk Management, Copenhagen, Denmark, August 2022

Updates from the Juvenile Idiopathic Arthritis Committee; Childhood Arthritis and Rheumatology Research Alliance Virtual Annual Scientific Meeting; May 2022

"Greetings from the 2019 ICPE Local Host Committee"; International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Philadelphia, PA, August 2019.

Preview of 2019 ICPE Philadelphia, on Behalf of the 2019 Local Host Committee; International Conference on Pharmacoepidemiology & Therapeutic Risk Management; Prague, Czech Republic, August 2018.

Grant awards program; Member, Panel discussion at the Childhood Arthritis and Rheumatology Research Alliance, American College of Rheumatology Annual Meeting; San Diego, CA, November 2017.

Strategies for Success during Research Years of Fellowship; Member of panel discussion for pediatric rheumatology fellows, Childhood Arthritis and Rheumatology Research Alliance Annual Meeting; Austin, TX, April 2015.

Regional presentations

Pharmacologic update for juvenile idiopathic arthritis; Presenter, Nurse Practitioner Pharmacology Conference; Nemours A.I. duPont Hospital for Children; Wilmington, DE, April 2012.

Local presentations

Pediatric Research: My Journey, Research, and Suggestions; Lecture and discussion for Pediatrics Interest Group at Rutgers Robert Wood Johnson Medical School; May 2023.

Team Science Consultation Services; Research Chairs and Directors Meeting; Rutgers Robert Wood Johnson Medical School; May 2022.

Demystifying Decentralized Clinical Trials in Academic Research Centers; Panelist, Webinar; Clinical Research Management Program, New Jersey Alliance for Clinical and Translational Science; April 2022.

Team Science Consultation Services; Research Deans Meeting, Rutgers Biomedical and Health Sciences; April 2022.

New Jersey Kids Study; Organizer and moderator; Child Health & Well-Being Research Common Interest Group, Rutgers University; November 2021.

Impacts of the Pandemic on Child Health & Well-Being; Organizer and moderator; Child Health & Well-Being Research Common Interest Group, Rutgers University; November 2020.

Impact of Opioids on Child Health & Well-Being; Organizer and moderator; Child Health & Well-Being Research Common Interest Group, Rutgers University; New Brunswick, NJ, September 2019.

Healthcare transition in lupus; Member of panel discussion for Holistic Care and Empowerment of Youth & Adults with Lupus, Symposium on lupus in minorities for health care providers and community members; Rutgers Robert Wood Johnson Medical School; New Brunswick, NJ, April 2016.