



Christine R. Langton, Ph.D.

Senior Health Scientist

Summary of Experience

Dr. Christine Langton is an epidemiologist, data analyst, and public health professional with 25 years' experience in academic, community-based health, hospital, and government settings. Dr. Langton's most recent focus has been conducting women's health epidemiological research in observational prospective cohort studies, but she also has experience with other types of research including natural history of disease, quasi-experimental, randomized controlled trial, and community-based participatory research. Dr. Langton recently completed a postdoctoral fellowship in the Epidemiology Branch at the National Institute of Environmental Health Sciences (NIEHS) where she conducted epidemiological research within the Study of Environment, Lifestyle & Fibroids (SELF), a prospective, ultrasound-based study to identify risk factors for uterine fibroid incidence and growth. Due to her interest in the potential effects of early life exposures on future health, Dr. Langton examined the association of soy-based formula feeding during infancy with fibroid development in adulthood. Prior to NIEHS, Dr. Langton earned her Ph.D. in epidemiology and held a short-term postdoctoral position at the University of Massachusetts Amherst where she conducted epidemiological research in the Harvard Nurses' Health Study II prospective cohort examining the association of reproductive and lifestyle factors with risk of early natural menopause. Dr. Langton earned a dual M.S.W./M.P.H. degree and a B.S. in Management Information Systems from the University of Connecticut and for many years supported the data and program evaluation needs of public health intervention programs throughout Connecticut. Dr. Langton also worked at a children's hospital where she contributed to various research studies including a pediatric inflammatory bowel disease research registry and community-based childhood asthma initiatives. She also has experience developing surveillance systems, creating analytical datasets, coordinating disease prevention initiatives in clinical and school-based settings, and reviewing community-based grants. Dr. Langton has published over 50 abstracts, evaluation reports, commentaries, and peer-reviewed papers.

Education

Bachelor of Science (B.S.), Management Information Systems, 1989, University of Connecticut

Master of Social Work (M.S.W.), Policy and Planning, Research, 1998, University of Connecticut

Master of Public Health (M.P.H.), 2002, University of Connecticut

Doctor of Philosophy (Ph.D.), Epidemiology, 2021, University of Massachusetts

Project Experience

Observational Cohort and Disease Registry Research

Conducted epidemiological research in the Study of Environment, Lifestyle and Fibroids (SELF), an ultrasound-based prospective cohort of 1,693 African American and Black women designed to identify risk factors for uterine fibroid development. Lead epidemiologist and analyst on studies

examining the association of soy-based formula feeding during infancy, keloid and hypertrophic scars, family history, and oral contraceptives with incidence and growth of uterine fibroids.

Conducted epidemiological research in the Nurses' Health Study II, a prospective cohort of 116,429 female nurses established to study reproductive and lifestyle factors in a young population. Lead epidemiologist and analyst on studies that examined the association of parity, breastfeeding, oral contraceptives, tubal ligation, in utero exposures, adverse pregnancy outcomes, and multiple gestation with risk of early natural menopause and a study examining the association of oral contraceptives and tubal ligation with antimüllerian hormone levels. Contributed analytical support to additional studies examining the association of alcohol use, plant-based diet, and early-life sexual and physical abuse with early natural menopause.

Performed statistical analysis and provided technical support for the North American Pediatric Inflammatory Bowel Disease Registry comprised of longitudinal patient data from 28 clinics where research questions focused on the impact of medications, laboratory tests, disease indexes, and healthcare settings on the course, treatment, and associated health outcomes of pediatric Chron's disease and ulcerative colitis. Restructured and recoded registry data for analysis, linked registry data to external laboratory data, cleaned and ensured integrity of registry data, prepared analytical datasets for dissemination to collaborators, and prepared funder reports.

Asthma Programs and Research

Served as project manager for Digital Easy Breathing, a tablet-based digital asthma management program for primary care pediatricians. Co-wrote three 1-year grant applications awarded to support the development and pilot of the digital health application, developed technical specifications, was primary liaison with contracted product developer, and coordinated implementation of the program in a pediatric primary care clinic.

Conducted analyses for a pilot, randomized, controlled trial to examine the effects of an electronic monitoring device (EMD) and mobile app used by children with persistent asthma managed with daily inhaled corticosteroids. Compared rates of medication adherence between intervention and control groups with data measured using pharmacy refill records, self-report, and EMD data.

Served as project manager for Easy Breathing for Schools, a school nurse-led asthma program with the primary goal of reducing asthma-related school absences. Contributed to planning and design of program, oversaw implementation of program in four school districts in two states, developed program materials, and trained 100+ school nurses and project staff to implement program. As data analyst, developed data collection system, oversaw data entry, merged school absentee data with program data for analysis. The program was recognized as a Program of Promise by Jackson Healthcare Hospital Charitable Services Awards and ultimately proved effective at reducing school absences.

Served as program coordinator for Easy Breathing®, a nationally recognized, evidence-based asthma management program for primary care pediatricians. Implemented and monitored the program at clinical sites in four states, coordinated site trainings, maintained educational materials, wrote program newsletters, and designed fee-for-service funding structure. As data analyst, maintained data collection system, oversaw data entry, and merged claims data with program data to facilitate real-time participant follow-up.

Served as project manager for a 1-year pediatric asthma needs assessment to identify gaps in care among a population disproportionately burdened by childhood asthma. Established 22-member Steering Committee, formed eight working groups and was lead for two, established and oversaw plan for systematic data collection, designed and facilitated community-based surveys, stakeholder interviews, and focus groups, co-wrote final report, and contributed to grant application that proposed clinical and community intervention to eliminate asthma disparities.

Served as research coordinator for Building Bridges for Asthma Care, an evidence-informed asthma program for school nurses. Oversaw recruitment, enrollment, and follow-up of study participants and collection, management, and tabulation of project data.

Program Evaluation

Oversaw evaluation activities for citywide demonstration project that evaluated the clinical efficacy of enhanced primary care coordination, designed, and facilitated debriefing interviews with key informants, summarized quantitative and qualitative program data, and prepared final project outcomes report.

Coordinated statewide survey of pharmacies and their use of prescribing platforms to gauge interest and readiness for participating in the proposed Connecticut Health Information Exchange. Tabulated and analyzed survey results and co-wrote a publicly available technical report that included survey findings and key recommendations.

Was member of evaluation team responsible for evaluation of the Connecticut statewide Community Support for Families program designed to engage families who received a family assessment response from the Connecticut Department of Children and Families and connect them to traditional and non-traditional resources in their community. Extracted client data via chart review from community agencies throughout the state and managed and summarized data for funder reports.

Facilitated and reported results of a focus group held with members of a Family Advisory Council that provided input to clinicians providing care at an urban pediatric primary care center.

Developed and disseminated surveys for evaluation of state-funded childcare providers in Connecticut.

Surveillance Systems

Developed customized database to support program and reporting needs of New Haven Healthy Start, a federally funded program designed to reduce the rates of infant and maternal morbidity and mortality. Database included comprehensive collection of standardized reports and was implemented at multiple clinical sites for ~20 years. Also compiled data tables and performance indicators that were submitted to federal funding agency on annual basis.

For 17 years, provided technical assistance to Connecticut Healthy Start, a public health program that provides insurance assistance and case management to pregnant women and their children. Interpreted statewide technical requirements and developed an innovative process for monthly electronic submission of program data to the state's centralized data system.

Developed and enhanced customized Microsoft Access databases for three community-based maternal and child health programs, a pediatric cardiology research project, two pediatric digestive disease-related research projects, an adult heart disease prevention program, a Lyme disease and babesiosis research project, and a student athlete sports injury database for surveillance of sports-related injuries in two high schools.

Professional Experience

Senior Health Scientist, Valeo Sciences LLC, Jan 2024 – present.

Serve as a team scientist on multi-disciplinary research projects to address complex questions about human health and safety.

Special Volunteer, Epidemiology Branch, National Institute of Environmental Health Sciences, Jan 2024 – present.

Complete epidemiological research initiated during postdoctoral fellowship.

Postdoctoral Research Fellow, Epidemiology Branch, National Institute of Environmental Health Sciences, Jul 2021 – Dec 2023.

Lead epidemiologist and analyst on four prospective studies examining risk factors associated with incidence and growth of uterine fibroids.

Adjunct Instructor, Marion Peckham Egan School of Nursing and Health Studies, Master of Science in Nursing Leadership Program, Fairfield University, May 2021 – Jul 2021.

Develop material, teach, and assess academic progress of 18 students for graduate-level course.

Postdoctoral Researcher, Department of Biostatistics and Epidemiology, University of Massachusetts Amherst, Jan 2021 – Jun 2021.

Examine the association of pregnancy and lifestyle factors with menopause timing in the Nurses' Health Study II cohort.

Lecturer, Department of Biostatistics and Epidemiology, University of Massachusetts Amherst, Jan 2021 – May 2021.

Develop material, teach, and assess academic progress of 19 students for undergraduate public health course. Guide students through comprehensive literature review on a health-related topic.

Adjunct Instructor, Marion Peckham Egan School of Nursing and Health Studies, Public Health Program, Fairfield University, Sep 2020 – Dec 2020.

Develop material, teach, and assess academic progress of 18 students in undergraduate course.

Graduate Research Assistant, Department of Biostatistics and Epidemiology, University of Massachusetts Amherst, Sep 2017 – Dec 2020.

Conducted epidemiological research as doctoral candidate.

Research Associate II/Senior Program Evaluator, Asthma Center, Connecticut Children's Medical Center, Apr 2014 – Aug 2020.

Served as project manager, program evaluator, program coordinator, and data analyst on four community-based participatory research programs, a pilot randomized controlled trial, and a pediatric asthma community needs assessment. As senior program evaluator was responsible for collection, management, and integrity of all program and research-related data, established performance measures for programs, and summarized and reported on data for external funders and senior management as needed. Also was primary liaison with Institutional Review Board, ensured regulatory compliance on all research projects, provided input on new and ongoing research programs and budgets, co-wrote research grants, prepared legislative briefing documents disseminated to state government officials, coordinated media coverage, and served as interim center director for six months.

Adjunct Instructor, Health Science Program, Springfield College, Jan 2020 – May 2020.

Develop material, teach, and assess academic progress of 14 students for undergraduate course where students conducted and presented a literature review on a health-related topic.

Independent Contractor, C.R. Langton Consulting, Oct 1996 – May 2020.

As self-employed independent contractor, provided statistical and technical assistance, research support, program evaluation, and grant review and monitoring services to two hospitals, a community-based health organization, a community foundation, a city health department, and a federally funded Healthy Start program.

Graduate Research Assistant, Department of Biostatistics and Epidemiology, University of Massachusetts Amherst, Sep 2014 – Jun 2016.

As assistant to department chair performed various research activities on multiple breast cancer cohort and genetic studies.

Clinical Research Associate I, Connecticut Institute for Clinical and Translational Science, UCONN Health, Jun 2013 – Apr 2014.

Coordinated statewide survey of pharmacies and their use of prescribing platforms, tabulated and analyzed survey results, and co-wrote publicly available report.

Research Assistant II, Performance Improvement Center, School of Social Work, University of Connecticut, Oct 2012 – Jun 2013.

Performed evaluation activities for state-mandated family community support program.

Research Assistant, Institute for Community Research, Jun 1997 – Jan 1999.

Performed qualitative and quantitative evaluation tasks for a substance abuse prevention research project and developed database to track results for a Medicaid managed care survey.

Business Analyst and Project Leader, Agency Management Services (now Vertafore), Apr 1992 – Sep 1996.

As Business Analyst, created business specifications, contributed to system design, managed quality assurance testing, developed training materials, and liaised with programmers to troubleshoot technical issues. As Project Leader, managed multiple project teams to develop new

software applications for mid-range insurance automation systems.

Senior Analyst and Software Resource Specialist, Agency Computer Development and Management Department, Aetna Life & Casualty, Jun 1989 – Apr 1992.

Researched and solved computer software issues for three mid-range computer systems used by independent insurance agents nationwide, provided internal technical assistance and support to customer assistance analysts, and implemented department and end-user technical trainings.

Professional Membership and Service

- Society for Epidemiologic Research (SER)
 - Abstract reviewer, 2022 – 2023
 - Poster judge, 2022
- Society for Pediatric and Perinatal Epidemiologic Research (SPER)
 - Abstract reviewer, 2020 - 2023
 - Poster judge, 2023
 - Co-chair of Oral Abstract Session, "Reproductive Health: From Methods to Lifecourse" (co-chair with Brandie Depaoli Taylor), 2022
- Connecticut Public Health Association
- U.S. DOHaD Society
- International DOHaD Society, associate member
- CityMatCH, associate member
- Ad Hoc Reviewer
 - American Journal of Epidemiology
 - Clinical Practice in Pediatric Psychology
 - Fertility & Sterility
 - Global Public Health
 - Gynecological Endocrinology
 - Health Education & Behavior
 - Jornal de Pediatria
 - Journal of Women's Health
 - Menopause
 - The Lancet Regional Health - Americas

Peer-Reviewed Publications

Langton, C.R., M. Gerety, Q.E. Harmon, and D.D. Baird. 2023. Keloids, hypertrophic scars, and uterine fibroid development: a prospective ultrasound study of Black and African American women. *F&S Science* 4(2):172-180.

Langton, C.R., Q.E. Harmon, K. Upson, and D.D. Baird. 2023. Soy-based infant formula and uterine fibroid development in a prospective ultrasound study of Black/African-American women. *Environ Health Perspect* 131(1):17006.

Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, Q.E. Harmon, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2023. Association of adverse pregnancy outcomes and multiple gestation with natural menopause: a population-based cohort study. *Maturitas* 167:82-89.

- Grisotto, G. C.R. Langton, Y. Li, E.R. Bertone-Johnson, M.Y. Baden, O.H. Franco, F.B. Hu, and T. Muka. 2022. Association of plant-based diet and early onset of natural menopause. *Menopause* 1;29(7):861-867.
- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, L.L. Sievert, S.E. Hankinson, J.A.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2022. Association of in utero exposures with risk of early natural menopause. *Am J Epidemiol* 24;191(5):775-786.
- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, L.L. Sievert, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2021. Association of oral contraceptives and tubal ligation with antimüllerian hormone. *Menopause* 6;29(2):225-230.
- Freeman, J.R. C.R. Langton, B.W. Whitcomb, A.C. Purdue-Smithe, J.A.E. Manson, C.R. Langton, S.E. Hankinson, B.A. Rosner, and E.R. Bertone-Johnson. 2021. Is alcohol consumption associated with early menopause risk? *Am J Epidemiol* 1;190(112):2612-2617.
- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, L.L. Sievert, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2021. Association of oral contraceptives and tubal ligation with risk of early natural menopause. *Hum Reprod* 18;36(7):1989-1998.
- Simoneau, T.*, J.P. Hollenbach*, C.R. Langton*, C.L. Kuo, and M.M. Cloutier. 2021. Smoking cessation and counseling: a mixed methods study of pediatricians and parents. *PLoS One* 9;16(2):e0246231. *contributed equally to the work.
- Hollenbach, J., T. Simoneau, Y. Sun, I. Becene, S. Almeida, C. Langton, and G. Flores. Design, methods, and baseline characteristics of a pilot, randomized, controlled trial of the effects of an electronic monitoring device on medication adherence in children with asthma. 2021. *Contemp Clin Trials Commun* 6;21:100706.
- Cicutto L., M. Gleason, C. Haas-Howard, M. White, J.P. Hollenbach, S. Williams, M. McGinn, M. Villarreal, H. Mitchell, M.M. Cloutier, C. Vinick, C. Langton, D.J. Shocks, D.A. Stempel, and S.J. Szeffler. 2020. Building Bridges for Asthma Care program: a school-centered program connecting schools, families, and community health-care providers. *J Sch Nurs* 36(3):168-180.
- Langton, C.R., J.P. Hollenbach, T. Simoneau, and M.M. Cloutier. 2020. Asthma management in school: parents' and school personnel perspectives. *J Asthma*. 57(3):295-305.
- Simoneau T., C.R. Langton, C.L. Kuo, J. Marrero, N. Gherlone, M.M. Cloutier, and J.P. Hollenbach. 2020. A school nurse-led asthma program reduces absences: evaluation of Easy Breathing for Schools. *Acad Pediatr* 20(1):73-80.
- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, L.L. Sievert, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2020. Association of parity and breastfeeding with risk of early natural menopause. *JAMA Netw Open* 3;3(1):e1919615.
- Hollenbach, J., M. Villarreal, T. Simoneau, C. Langton, H. Mitchell, G. Flores, and M.M. Cloutier. 2019. Inaccuracy of asthma-related self-reported health-care utilization data compared to Medicaid claims. *J Asthma* 56(9):947-950.
- Szeffler, S.J., M.M. Cloutier, M. Villarreal, J.P. Hollenbach, M. Gleason, C. Haas-Howard, C. Vinick, A. Calatroni, L. Cicutto, M. White, S. Williams, M. McGinn, C. Langton, D. Shocks, H. Mitchell, and D.A. Stempel. 2019. Building Bridges for Asthma Care: reducing school absence for inner-city children with health disparities. *J Allergy Clin Immunol* 143(2):746-754.e2.
- Otley, A., N. LeLeiko, C. Langton, T. Lerer, D. Mack, J. Evans, M. Pfefferkorn, R. Carvalho, J. Rosh, A. Griffiths, M. Oliva-Hemker, M. Kay, A. Bousvaros, M. Stephens, C. Samson, A. Grossman, D. Keljo, J. Markowitz, and J. Hyams. 2012. Budesonide use in pediatric Crohn disease. *J Pediatr Gastroenterol Nutr* 55(2):200-204.

- Siegel, C.A., L.S. Siegel, J.S. Hyams, S. Kugathasan, J. Markowitz, J.R. Rosh, N. LeLeiko, D.R. Mack, W. Crandall, J. Evans, D.J. Keljo, A.R. Otley, M. Oliva-Hemker, S. Farrior, C.R. Langton, I.T. Wrobel, G. Wahbeh, J.A. Quiros, G. Silber, R.J. Bahar, B.E. Sands, and M.C. Dubinsky. 2011. Real-time tool to display the predicted disease course and treatment response for children with Crohn's disease. *Inflamm Bowel Dis* 17(1):30-38.
- Dotson, J.L., J.S. Hyams, J. Markowitz, N.S. LeLeiko, D.R. Mack, J.S. Evans, M.D. Pfefferkorn, A.M. Griffiths, A.R. Otley, A. Bosvaros, S. Kugathasan, J.R. Rose, D. Keljo, R.S. Carvalho, G. Tomer, P. Mamula, M.H. Kay, B. Kerzner, M. Oliva-Hemker, C.R. Langton, and W. Crandall. 2010. Extraintestinal manifestations of pediatric inflammatory bowel disease and their relation to disease type and severity. *J Pediatr Gastroenterol Nutr* 51(2):140-145.
- Schaefer, M.E., J.T. Machan, D. Kawatu, C.R. Langton, J. Markowitz, W. Crandall, D.R. Mack, J.S. Evans, M.D. Pfefferkorn, A.M. Griffiths, A.R. Otley, A. Bousvaros, S. Kugathasan, J.R. Rosh, D.J. Keljo, R.S. Carvalho, G. Tomer, P. Mamula, M.H. Kay, B. Kerzner, M. Oliva-Hemker, M.D. Kappelman, S.A. Seed, J.S. Hyams, and N.S. LeLeiko. 2010. Factors that determine risk for surgery in pediatric patients with Crohn's disease. *Clin Gastroenterol Hepatol* 8(9):789-794.
- Keljo, D.J., J. Markowitz, C. Langton, T. Lerer, A. Bousvaros, R. Carvalho, W. Crandall, J. Evans, A. Griffiths, M. Kay, S. Kugathasan, N. LeLeiko, D. Mack, P. Mamula, M.S. Moyer, M. Oliva-Hemker, A. Otley, M. Pfefferkorn, J. Rosh, and J.S. Hyams. 2009. Course and treatment of perianal disease in children newly diagnosed with Crohn's disease. *Inflamm Bowel Dis* 15(3):383-387.
- Turner, D., J. Hyams, J. Markowitz, T. Lerer, D.R. Mack, J. Evans, M. Pfefferkorn, J. Rosh, M.Kay, W. Crandall, D. Keljo, A.R. Otley, S. Kugathasan, R. Carvalho, M. Oliva-Hemker, C. Langton, P. Mamula, A. Bousvaros, N. LeLeiko, and A.M. Giffiths. 2009. Appraisal of the pediatric ulcerative colitis activity index (PUCAI). *Inflamm Bowel Dis* 15(8):1218-1223.
- Dubinsky, M.C., S. Kugathasan, L. Mei, Y. Picornell, J. Nebel, I. Wrobel, A. Quiros, G. Silber, G. Wahbe, L. Katzir, E. Vasilauskas, R. Bahar, A. Otley, D. Mack, J. Evans, J. Rosh, M.O. Hemker, N. LeLeiko, W. Crandall, C. Langton, C. Landers, K.D. Taylor, S.R. Targan, J.I. Rotter, J. Markowitz, J. Hyams, and Wisconsin Pediatric IBD Alliance. 2008. Increased immune reactivity predicts aggressive complicating Crohn's disease in children. *Clin Gastroenterol Hepatol* 6(10):1105-1111.
- Kappelman, M.D., A. Bousvaros, J. Hyams, J. Markowitz, M. Pfefferkorn, S. Kugathasan, J. Rosh, A. Otley, D. Mack, A. Griffiths, J. Evans, R. Grand, C. Langton, K. Kleinman, and J.A. Finkelstein. 2007. Intercenter variation in initial management of children with Crohn's disease. *Inflamm Bowel Dis* 13(7):890-895.
- Mack, D.R., C. Langton, J. Markowitz, N. LeLeiko, A. Griffiths, A. Bousvaros, J. Evans, S. Kugathasan, A. Otley, M. Pfefferkorn, J. Rosh, A. Mezoff, S. Moyer, M. Oliva-Hemker, R. Rothbaum, R. Wyllie, J.F. delRosario, D. Keljo, T. Lerer, and J. Hyams. 2007. Laboratory values for children with newly diagnosed inflammatory bowel disease. *Pediatrics* 119(6):1113-1119.

Invited Commentaries

- Purdue-Smithe, A.C., C.R. Langton, and J.E. Manson. 2023. Vitamin D status during pregnancy: a role in intergenerational reproductive health? *Eur J Epidemiol* 38(5):465-467.

Published Abstracts

- Hollenbach, J.P., C.R. Langton, L. Miller, Z. Harel, B. Gould, C.S. Crews, I. Becene, and T. Simoneau. 2020. Conversion of an asthma-management program from a paper to electronic platform: acceptability, feasibility, and subsequent patient receipt of asthma

treatment plans. Poster presentation at the American Thoracic Society International Conference, August 5-10, 2020, Virtual. *Am J Respir Crit Care Med* 201:A3714.

Saar, K. S. Almeida, C. Langton, C. Wiley, J.P. Hollenbach, and T. Simoneau. 2020. What do you call an inhaler? A family survey on how asthma inhalers are identified in both a primary care and pulmonary subspecialty clinic. Poster presentation at the American Thoracic Society International Conference, August 5-10, 2020, Virtual. *Am J Respir Crit Care Med* 201:A3712.

Simoneau T., C.R. Langton, D. Foster, S.B. Roman, J.P. Hollenbach, and M.M. Cloutier. 2018. Implementation of a pediatric severe asthma clinic is cost effective. Poster presentation at the American Thoracic Society International Conference, May 18-23, 2018, San Diego, CA. *Am J Respir Crit Care Med* 197:A1159.

Simoneau T., C.R. Langton, C. Kuo, M.M. Cloutier, and J.P. Hollenbach. 2018. School nurse-centered asthma program reduces school absenteeism. Oral presentation in Mini Symposium at the American Thoracic Society International Conference. May 18-23, 2018, San Diego, CA. *Am J Respir Crit Care Med* 197:A2709.

Simoneau, T., J. Hollenbach, C. Langton, and M.M. Cloutier. 2017. Perceptions about smoking cessation from pediatricians and parents of children with asthma: a survey and focus group study. Poster presentation at the American Thoracic Society International Conference, May 19-24, 2017, Washington, DC. *Am J Respir Crit Care* 195:A2218.

Szeffler, S.J., M. Cloutier, M. Villarreal, J. Hollenbach, M. Gleason, C. Haas Howard, C. Vinick, A. Calatroni, L. Cicutto, M. White, S. Williams, M. McGinn, C. Langton, D. Shocks, D. Stempel, and H. Mitchell. 2017. Building Bridges for Asthma Care: reducing school absence for children with health disparities. Poster presentation the American Thoracic Society International Conference, May 19-24, 2017, Washington, DC. *Am J Respir Crit Care* 195:A5092.

Gleason, M.C., M. Villarreal, J.P. Hollenbach, C. Haas-Howard, M.M. Cloutier, M. McGinn, L. Cicutto, C. Langton, H. Mitchell, S.J. Szeffler. 2016. Building Bridges transforms the approach to school-centered asthma care and improves outcomes for children with asthma. Poster presentation the American Thoracic Society International Conference, May 13-18, 2016, San Francisco, CA. *Am J Respir Crit Care* 193:A7828.

Hollenbach, J.P., M. Villarreal, M.M. Cloutier, H. Mitchell, C. Langton, C. Vinick, M. Gleason, S. Williams, C. Haas-Howard, L. Cicutto, and S.J. Szeffler. 2015. Reducing school absenteeism among inner-city children: preliminary results from the 2013-2014 Building Bridges: Advancing Education by Improving Asthma Management in Inner-City Children program. Poster presentation at the American Thoracic Society International Conference, May 15-20, 2015, Denver, CO. *Am J Respir Crit Care Med* 191:A3806.

Markowitz, J., J. Evans, M.D. Pfefferkorn, A.M. Griffiths, D.J. Keljo, D.R. Mack, R. Carvalho, N.S. LeLeiko, A.R. Otley, J.R. Rosh, M.C. Stephens, S.A. Saeed, F.N. Ashai-Khan, A. Bousvaros, M.H. Kay, M. Oliva-Hemker, A.B. Grossman, B. Sudel, M. Kappelman, R.A. Dimmitt, C.R. Langton, and J.S. Hyams. 2012. Infliximab versus immunomodulator as first maintenance therapy in children with Crohn disease. Poster presentation at Digestive Diseases Week (DDW), May 19-22, 2012, San Diego, CA. *Gastroenterology* 142(5):S-349. Abstract #Sa1884.

Schaefer, M., C.R. Langton, D.R. Markowitz, J. Evans, M.D. Pfefferkorn, A.M. Griffiths, A.R. Otley, A. Bousvaros, J.R. Rosh, D.J. Keljo, R. Carvalho, M.H. Kay, M. Oliva-Hemker, M. Kappelman, F.N. Ashai-Khan, M.C. Stephens, C.M. Samson, A.B. Grossman, R.A. Dimmitt, B. Sudel, W.A. Faubion, N.S. LeLeiko, and J.S. Hyams. 2011. Post-intestinal resection management of pediatric Crohn's disease. Poster presentation at Digestive Diseases Week (DDW), May 7-10, 2011, Chicago, IL. *Gastroenterology* 140(5):S782. Abstract #Tu1265.

- Ofei, S., R. Carvalho, J.S. Hyams, T. Lerer, M. Schaefer, J.T. Machan, C.R. Langton, D.R. Mack, J. Evans, M.D. Pfefferkorn, A.M. Griffiths, A.R. Otley, A. Bousvaros, D.J. Keljo, M.H. Kay, M. Oliva-Hemker, M. Kappelman, S.A. Saeed, N.S. LeLeiko, M.C. Stephens, A.B. Grossman, J. Markowitz, and J.R. Rosh. 2011. Changing trends in pharmacologic therapy of pediatric Crohn's disease. Poster presentation at Digestive Diseases Week (DDW), May 7-10, 2011, Chicago, IL. *Gastroenterology* 140(5):S197. Abstract #1158.
- Pfefferkorn, M.D., C.R. Langton, D.R. Mack, A.R. Otley, N.S. LeLeiko, M. Stephens, J.R. Rosh, M. Oliva-Hemker, W. Crandall, J.S. Evans, C.M. Samson, M. Kappelman, M. Michail, J.S. Hyams, and J. Markowitz. 2010. NOD2 mutations and presenting clinical characteristics of Crohn's disease (CD) in children. Poster presentation at Digestive Diseases Week (DDW), May 1-5, 2010, New Orleans, LA. *Gastroenterology* 138(5):S303. Abstract #S2023.
- Schaefer, M., J. Machan, D. Kawatu, C. Langton, J. Markowitz, W. Crandall, D. Mack, J. Evans, M. Pfefferkorn, A. Griffiths, A. Otley, A. Bousvaros, S. Kugathasan, J. Rosh, and D. Keljo. 2009. Five-year incidence of surgery in a prospectively followed cohort of pediatric patients with Crohn's disease. Poster presentation at the Advances in Inflammatory Bowel Disease, Crohn's & Colitis Foundation's National Clinical & Research Conference, December 3-6, 2009, Hollywood, FL. *Inflamm Bowel Dis* 15(suppl_2):S27-S28. Abstract #P-0069.
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Connecticut State Department of Education in Association with the Connecticut Collaborative for Education Against Gun Violence. 1999. Violence Prevention Resource Guide for Connecticut Schools. Hartford, CT: State of Connecticut Department of Education.

Presentations

Langton, C.R. 2023. Menopause and Uterine Fibroid Research. Invited panelist for the Endocrine Disrupting Chemicals and Women's Health Symposium sponsored by the Office of Women's Health within the U.S. Department of Health and Human Services. July 18-19, 2023, Virtual.

Langton, C.R., Q.E. Harmon, and D.D. Baird. 2023. Maternal history of fibroids and uterine fibroid development in offspring in a prospective ultrasound study of Black/African American women. Poster presentation at the Society for Epidemiologic Research Annual Meeting, June 13-16, 2023, Portland, OR.

Langton, C.R., Q.E. Harmon, and D.D. Baird. 2023. Family history as a risk factor for uterine fibroids. Oral presentation in Contributed Concurrent Session at the 36th Annual Meeting of the Society for Pediatric and Perinatal Epidemiological Research, June 12-13, 2023, Portland, OR.

Langton, C.R., Q.E. Harmon, K. Upson, and D.D. Baird. 2022. Soy-based infant formula feeding and uterine fibroid incidence in a prospective ultrasound study of African American women. Oral presentation in Oral Abstract Session at the Society for Epidemiologic Research Annual Meeting, June 14-17, 2022, Chicago, IL.

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Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2021. Association of preterm birth with risk of early natural menopause. Oral presentation in Oral Abstract Session at Society for Epidemiologic Research Annual Meeting, June 22-25, 2021, Virtual.

Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2021. Association of preterm birth with risk of early natural menopause. Oral presentation in Speed Talk Session at Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting, May 26-June 18, 2021, Virtual.

Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, L.L. Sievert, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2020. Association of in utero exposures with risk of early natural menopause. Poster presentation at the 53rd Annual Meeting of the Society of Epidemiologic Research, December 16-18, 2020, Virtual.

Hollenbach, J., C. Langton, S. Almeida, and T. Simoneau. 2020. Adaptation of an effective asthma management program to digital platform: pilot feasibility outcomes of digital easy breathing. 2020. Poster presentation at the 13th Annual Conference on the Science of Dissemination and Implementation in Health, December 15-17, 2020, Virtual.

Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2019. Oral contraceptive use and incidence of early natural menopause. Oral presentation in Concurrent Contributed Session at the 52nd Annual Meeting of the Society for Epidemiologic Research Annual Meeting, June 18-21, 2019, Minneapolis, MN.

- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2019. Oral contraceptive use and incidence of early natural menopause. Poster presentation at the 32nd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, June 17-18, 2019, Minneapolis, MN.
- Langton, C.R., J.P. Hollenbach, and T. Simoneau. 2018. Easy Breathing for Schools: lessons learned from a school nurse-centered asthma program. Oral presentation in Breakout Session at the National Association of School Nurses 50th Annual Conference, June 29 – July 3, 2018, Baltimore, MD.
- Langton, C.R., B.W. Whitcomb, A.C. Purdue-Smithe, S.E. Hankinson, J.E. Manson, B.A. Rosner, and E.R. Bertone-Johnson. 2018. Reproductive factors and incidence of early natural menopause. Oral presentation in Plenary Session at the 31st Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research, June 18-19, 2018, Baltimore, MD.
- Langton, C.R. 2017. Asthma management in schools: reversing absenteeism. Oral presentation in Breakout Session at the Connecticut Department of Public Health Statewide Asthma Partnership Conference, May 11, 2017, Cromwell, CT.
- Langton, C.R., and J.P. Hollenbach (co-presenter). 2015. Managing asthma in school children: bridging the lines of communication between school nurses and clinicians. Oral presentation in Breakout Session at the Connecticut Public Health Association Annual Conference, October 23, 2015, Cromwell, CT.

Professional and Academic Lectures and Courses

- Langton, C.R. Epidemiology and Biostatistics. Fairfield University, Marion Peckham Egan School of Nursing and Health Studies, Master of Science in Nursing Leadership Program Course 7601. Summer 2021.
- Langton, C.R. Public Health Communications. University of Massachusetts Amherst, School of Public Health and Health Sciences, Department of Biostatistics and Epidemiology Course 223. Spring 2021.
- Langton, C.R. Introduction to Principles of Epidemiology. Fairfield University, Marion Peckham Egan School of Nursing and Health Studies, Public Health Program Course 2216. Fall 2020.
- Langton, C.R. Senior Capstone Health Science. Springfield College, Health Science Program Course 482. Spring 2020.
- Langton, C.R. Easy Breathing for Schools. Capital Community College, Community Health Worker Training Program. 2016.