

KATHERINE AHRENS
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EDUCATION

- 2012 **Boston University**
Ph.D., Epidemiology
Dissertation committee chair: Martha Werler
- 2004 **University of Michigan**
M.P.H., Epidemiology
- 1999 **Harvard University**
A.B. with honors, Biology

RESEARCH POSITIONS

- 2018-present Assistant Research Professor
Public Health Program
Muskie School of Public Service
University of Southern Maine
Program chair: Erika Ziller
- 2018-present Visiting Scientist
Center for Outcomes Research and Evaluation
Maine Medical Center Research Institute
Director: Paul Han 2018-2020, Interim Director: Elizabeth Jacobs 2020-present
- 2016-2018 Health Scientist
Office of the Assistant Secretary for Health
Office of Population Affairs
Supervisor: Sue Moskosky
- 2014-2016 Senior Service Fellow
Centers for Disease Control and Prevention
National Center for Health Statistics, Office of Analysis and Epidemiology
Infant, Child and Women's Health Statistics Branch
Supervisor/colleague: Alan Simon
- 2012-2014 Postdoctoral Fellow
National Institutes of Health
Eunice Kennedy Shriver National Institute of Child Health & Human Development
Division of Epidemiology, Statistics and Prevention Research
Mentor: Enrique Schisterman
- 2009-2010 Research Analyst
Slone Epidemiology Center at Boston University
Supervisor: Martha Werler

2005-2008	Epidemiologist I STD Prevention and Control City and County of San Francisco Supervisor: Jeff Klausner
2004-2005	Epidemiologist I STD Control Branch State of California Supervisor: Michael Samuels
2003	Research Intern Lucile Packard Children's Hospital Vaccine Program Stanford School of Medicine Supervisor: Cory Dekker
2001-2002	Clinical Research Assistant Substance Abuse Research Unit Rhode Island Hospital Supervisor: Michael Stein
2000-2001	Research Assistant Ecosystems Center The Marine Biological Laboratory Supervisor: Knute Nadelhoffer
1999	Student Conservation Association Intern and AAUS SCUBA diver Florida Marine Research Institute Supervisor:Carolynn Cox

TEACHING AND MENTORING

2019- PRESENT	Instructor, MPH 545: Applied Biostatistical Analysis
2019- PRESENT	Instructor, MPH 677: Regression Models in the Health Sciences
2021	Dissertation Committee Member Sarah Grinder Doctor of Occupational Therapy Program Nova Southeastern University, Tampa Bay Regional Campus
2021	Mock Committee Review Member, K-award Isha Agarwal, MD Maine Medical Center, Emergency Medicine
2021	Field Experience MPH 698 advisor: Mariah Pfeiffer, Elizabeth Henderson

- 2020 Mentor
Suzanne McMahon, MPH Student
University of Southern Maine, Public Health Program
Project title: *Trends in cannabis-related and opioid-related hospitalization rates in the state of Maine, 2010 – 2020*
- 2020 Field Experience MPH 698 advisor: Ariana van den Akker, Michael Flaherty, Suzanne McMahon, Jennifer Alexander, Carly Milkowski, Jaclyn Janis, Katherine Knight
- 2020 Mentor
Amanda Burgess, MPH Student
University of Southern Maine, Public Health Program
Project title: *Experiences of stigma among individuals in recovery from opioid use disorder in central Maine: a qualitative analysis*
- 2020 Elora Way, MPH Student
University of Southern Maine, Public Health Program
Project title: *The Association between Birth Setting and Infant Mortality by Rural-Urban Residency, 2010-2017*
- 2020 Mentor
Emily Bauer, Nursing Student
University of Southern Maine, College of Nursing
Project title: *Trends in neonatal abstinence syndrome among births in Maine (2009-2018)*
- 2020 Mentor
Oghenetega Dibia, Master's Student
University of Southern Maine, Department of Statistics
Project title: *Data transformation mapping the Maine All Payer Claims Data (APCD) into the Observational Health Data Sciences and Informatics (OHDSI) Common Data Model*
- 2019 Mentor
Sarah Gabrielson, MPH Student
University of Southern Maine, Public Health Program
Project title: *Opioid use disorder at delivery hospitalization in Maine: Prevalence and characteristics (2009-2017)*
Winner of the American Public Health Association – Student Assembly, Outstanding Student Abstract Award
- 2019 Mentor
Jaclyn Janis, MPH Student
University of Southern Maine, Public Health Program
Project title: *Female age at first sexual intercourse by rural-urban residence and birth cohort*
- 2018-2021 Dissertation Committee Member
Julie Petersen, MPH

Boston University School of Public Health
Defense June 2021

- 2017 Mentor
Sarah Haight, MPH Student
Epidemiology Department, Emory University
Project title: *Short Interpregnancy Intervals and Adverse Pregnancy Outcomes by Maternal Age in the United States, 2013-2015*
- 2016 Mentor
Kelsey Rivers, undergraduate
George Mason University
Project title: *Parity associated with telomere length among US reproductive age women*
- 2014 Certificate of training for completion of 9-week course *Scientists Teaching Science*
from the Office of Intramural Training & Education at the National Institutes of Health
- 2013 Summer Student Course, Organizer and Instructor
National Institutes of Health
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Division of Epidemiology, Statistics and Prevention Research
- 2013 Mentor
Maya Shimony, Summer Fellow, MPH Student
Epidemiology and Biostatistics Department, George Washington University
Project title: *Sugar sweetened beverage consumption and liver damage biomarkers*
- 2011 Teaching Assistant, Advanced Epidemiology
Primary Instructor: Matthew Fox
Epidemiology Department
Boston University School of Public Health
- 2011 Teaching Assistant, Intermediate Epidemiology
Primary Instructor: Sherri Stuver
Epidemiology Department
Boston University School of Public Health
- 2006 Instructor, Introductory Epidemiology
Holy Names University
- 2002, 2003 Graduate Student Instructor, Biology for Nonscientists
Primary Instructor: Josephine Kurdziel
Ecology and Evolutionary Biology Department
University of Michigan

2003, 2004 Graduate Student Instructor, AIDS and Other Health Crises
 Primary Instructor: Robert Bender
 Ecology and Evolutionary Biology Department
 University of Michigan

AWARDS AND SCHOLARSHIPS

2021 Winner of Faculty Senate Award for Excellence in Research, University of Southern Maine

2017, 2018 Nominated for the Charles C. Shepard Science Award, which is presented annually to the best manuscript on original research published by a CDC or ATSDR scientist in a reputable, peer-reviewed journal in the previous year.

2017 Selected for a service award by the Office of the Assistant Secretary for Health in recognition of outstanding contribution to the Office of Population Affairs, Rockville, MD

2013 Winner of Fellows Award for Research Excellence (FARE). National Institutes of Health, Office of Intramural Training and Development. Awarded travel scholarship to attend Society for Maternal-Fetal Medicine's Annual Meeting in February 2014.

2012 Selected for 2nd Annual Society for Epidemiologic Research (SER) Student Web Meeting presentation, November 17, 2012. Awarded travel scholarship to present at SER's annual meeting in Boston 2013.

2012 Member of the Delta Omega Society, a public health honorary society for students graduating in the top 10% of their class.

2011 Selected for participation at the National Institutes of Health National Graduate Student Research Conference October, Bethesda, Maryland

2008-2012 Recipient of a National Institutes of Health pre-doctoral training grant: Boston University Reproductive, Perinatal and Pediatric Epidemiology training program (T32 HD052458)

2009 Selected for participation at the National Institute of Child Health & Human Development (NICHD) and Canadian Institutes of Health Research (CIHR)'s Summer Institute in Reproductive and Perinatal Epidemiology, Val-David, Quebec, Canada

2006 Selected for the Director's Service Award in recognition of outstanding contribution to the STD Prevention and Control Section, City and County of San Francisco, CA

EXTERNALLY-FUNDED RESEARCH

11/1/2019- 6/30/2022	Award# CT 10A 20191003*1186 CA-MC-20-100 Continuation Award # CT 10A 20210618*3744	Ahrens (PI)
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MaineCare, Maine Department of Health
Participation in the State-University Partnership Learning Network's Medicaid Outcomes Distributed Research Network to study opioid use disorder treatment quality and outcomes

This project supports the efficient and effective administration of the Maine Medicaid program (MaineCare) and cross-state research on issues of shared interest to Medicaid directors in other participating states through the State University Partnership Learning Network Medicaid Outcomes Distributed Research Network (SUPLN MODRN), with an initial focus on opioid-use disorders. MaineCare's participation in MODRN will enable the state to benchmark Maine's opioid-related performance measures and outcomes against other states using standardized methods.

3/1/2020-
2/28/2022

Consultant co-investigator Norman (PI)
Canadian Institute of Health Research Operating Grant: Data Analysis Using Existing Databases and Cohorts, Reproductive, Maternal, Child and Youth Health stream
Short interpregnancy interval and risk of subsequent adverse pregnancy outcomes: modifiers and mediators

3/1/2020-
2/28/2023

Mentor, Training grant Fleisch (PI)
Supplemental Award to Dr. Jenny Carwile, from the National Institutes of Health
The overarching goal of this supplement is for Dr. Jenny Carwile to employ novel nutritional epidemiologic techniques, not yet applied to the field of environmental health, to create PFAS- and phthalate-containing dietary index scores for children participating in NHANES, which can be used by other researchers to assess dietary exposure to these chemicals in order to account for potential confounding by diet. Our central hypothesis is that (1) the dietary index scores will correlate with PFAS and phthalate biomarkers across populations and subgroups and (2) even after accounting for dietary index scores, we will observe an association between higher PFAS and phthalate concentrations and lower bone mineral density in children in NHANES.

7/1/2020-
12/31/2022

Data Analyst Ahrens (PI)
Maine Community Foundation contract
MCPHI Phase I and Phase II: This replicates and extends an analysis of mortality and health outcomes in relation to socioeconomic status in Maine counties.

9/1/2020-
8/31/2024

Award #2 U1CRH03716-17-00 Ziller (PI)
Maine Rural Health Research Center, supported by a grant from the Health Services and Resources Administration, US Department of Health and Human Services
I am a research investigator and contribute data analysis and lead selected projects.

1/22/2021-
6/30/2022

Award# CT 10A 20210108*2003 Ahrens (PI)
Continuation Award # CT 10A 20210618*3744
MaineCare, Maine Department of Health
This project links maternal and infant MaineCare identification numbers with vital record data (i.e. birth and death files). This project manages the receipt of monthly vital record data and uses unique identifiers to match infant and maternal records

with MaineCare enrollee identification numbers. Death files are also linked to the MaineCare enrollee identification numbers.

4/12/2021 –
3/31/2024

Award #1R15HD101793-01A1

Ahrens (PI)

National Institute of Child Health and Human Development

Maternal Health Care Utilization and Morbidity: The First 24 Months

This project estimates maternal health care utilization and morbidity in the first 24 months' postpartum among women in Maine during 2006-2020, focusing on women with medical conditions commonly diagnosed during pregnancy. We also assess whether rural versus urban residence modifies postpartum health care utilization and morbidity, and how delayed contraception initiation affects short interpregnancy intervals.

COMPLETED RESEARCH PROJECTS

2014-2015	Role: Co-investigator Feasibility of Processing and Assaying Frozen Placental Specimens from the EAGeR (Effects of Aspirin in Gestation and Reproduction) Trial	Sjaarda (PI)
2018-2019	Role: Co-investigator Estimates of U.S. pregnancy rates using federal data Interagency agreement with the National Center for Health Statistics, CDC	
3/1/2020- 8/31/2021	Role: Co-investigator Oregon Health Sciences University This project is part of a large systematic review on the effects of contraceptive care on maternal and child health.	Nelson (PI)
7/1/2019- 6/30/2020	Award# MEIF – Cost Share, Internal Funding Maine Economic Improvement Fund <i>Maine Medical Center Research Institute Rural Core</i> This project creates the data transformation mapping needed to convert the Maine All Payer Claims Data (APCD) into the Observational Health Data Sciences and Informatics (OHDSI) Common Data Model, a well-established international data model that can improve efficiency medical claims data analysis and use.	Ahrens (PI)
9/1/2019- 8/31/2020	Role: Co-investigator Award # 6 U1CRH037616-16-01 Maine Rural Health Research Center, supported by a grant from the Health Services and Resources Administration, US Department of Health and Human Services <i>A Current Examination of HIV and Hepatitis C in Rural Counties</i> This project uses existing data from federal and state sources. We are compiling county-level data on HIV prevalence, acute HCV incidence, and the availability of Ryan White HIV/AIDS medical providers and other HIV and HCV treatment and testing services at a county level across the rural-urban continuum for 2016. We are also using US birth certificates to estimate county-level prevalence of maternal HCV infection from 2010-2018.	Ziller (PI)
10/1/2019- 6/30/2020	Role: Pilot Project Co-Awardee Award# 112366-ROSEN-CTR-PILOT-12 Round 3 Pilot Project, Northern New England Center for Translational Research, National Institutes of Health <i>The health outcomes of pregnant women with opioid use disorder: Maine and Vermont</i> The aims of this project are to: 1) estimate the proportion of pregnant women with opioid use disorder in 2010-2017 in Maine and Vermont, separately, and describe the distribution and length of opioid treatment during pregnancy and during the first year postpartum; 2) compare health care use and health outcomes during pregnancy and during the first year postpartum by treatment type and retention status among women with opioid use disorder in 2010-2017 in Maine and Vermont; and 3) identify stakeholders and explore the permissions, memoranda of understandings, and data use agreements required so that administrative claims data and vital statistics (birth, death) data can be linked within each state.	Ahrens (MPI)

PEER-REVIEWED PUBLICATIONS

1. Hutcheon JA, **Ahrens KA**, Janevic T. State paid family leave may prevent hospitalizations for bronchiolitis and other respiratory infections in young infants, *American Journal of Public Health*, February 2022, *in press*
2. Rossen LM, **Ahrens KA**, Womack LS, Uddin SFG, Branum AM. Rural-Urban Differences in Maternal Mortality Trends in the US, 1999-2017: Accounting for the Impact of the Pregnancy Status Checkbox. *American Journal of Epidemiology*, *in press*
3. Petersen JM, Barrett M, **Ahrens KA**, Murray EJ, Bryant AS, Hogue CJ, Mumford SL, Gadupudj S, Fox MP, Trinquart L. The Confounder Matrix: A Tool to Assess Confounding Bias in Systematic Reviews of Observational Studies of Etiology. *Research Synthesis Methods*, *in press*
4. Schummers L, Oveisi N, Ohtsuka MS, Hutcheon JA, **Ahrens KA**, Liauw J, Norman WV. Early pregnancy loss incidence in high-income settings: a protocol for a systematic review and meta-analysis. *Syst Rev*. 2021 Oct 25;10(1):274.
5. Carwile JL, Seshasayee SM, **Ahrens KA**, Hauser R, Chavarro JE, Fleisch AF. Dietary correlates of urinary phthalate metabolite concentrations in 6-19 year old children and adolescents. *Environ Res*. 2021 Sep 25;204(Pt B):112083.
6. Nobel K, **Ahrens K**, Handler A, Holt K. Patient-reported experience with discussion of all options during pregnancy options counseling in the US South. *Contraception*. 2021 Aug 24:S0010-7824(21)00368-1.
7. **Ahrens KA**, Skjeldestad FE. Age at hormonal contraception initiation among teenagers in the US and Norway. *Contraception*. 2021 Jul 28;S0010-7824(21)00339-5
8. Donohue JM, Jarlenski MP, Kim JY, Tang L, **Ahrens KA**, Allen L, Austin A, Barnes A, Burns M, Chang J, Clark S, Cole E, Crane D, Cunningham P, Idala D, Junker S, Lanier P, Mauk R, McDuffie M, Mohamoud S, Pauly N, Sheets L, Talbert J, Zivin K, Gordon A, Kennedy S. Improvements in treatment with medications for opioid use disorder in Medicaid: Evidence from 11 states from 2014-2018. *JAMA*, *in press*
9. **Ahrens KA**, Hutcheon JH. Advancing the methodological quality of studies on short birth spacing and adverse pregnancy outcomes: Where to next? *Paediatr Perinat Epidemiol*. 2021 Jul;35(4):389-391.
10. Burgess A, Bauer E, Gallagher S, Karstens B, Lavoie L, **Ahrens KA**, O'Connor A. Experiences of stigma among individuals in recovery from opioid use disorder in central Maine: a qualitative analysis, *J Subst Abuse Treat*. 2021 Nov;130:108488.
11. Milkowski CM, Ziller EC, **Ahrens KA**. Rural-urban residence and emergency contraception use, access, and counseling in the United States, 2006-2017. *Contracept X*. 2021 Feb 8;3:100061.

12. **Ahrens KA**, McBride CA, O'Connor A, Meyer MC. Medication for addiction treatment and postpartum health care utilization among pregnant persons with opioid use disorder in Maine and Vermont, 2010-2018. *J Addict Med.* 2021 Mar 4:10.1097/ADM.0000000000000827.
13. **Ahrens KA**, Rossen LR, Burgess A, Palmsten K, Ziller E. Rural-urban residence and maternal hepatitis C infection, United States: 2010-2018, *Am J Prev Med.* 2021 Jun;60(6):820-830. doi: 10.1016/j.amepre.2020.12.020.
14. Janis J, **Ahrens KA**, Kozhimannil K, Ziller E. Trends in contraception method use among rural and urban men and women in the US, 2006-2007. *Womens Health Issues.* 2021 May-Jun;31(3):277-285. doi: 10.1016/j.whi.2020.12.009.
15. Jarlenski M, Kim JY, **Ahrens KA**, Allen L, Austin A, Barnes AJ, Crane D, Lanier P, Mauk R, Mohamoud S, Pauly Ny, Talbert J, Zivin K, Donohue J. Healthcare patterns of pregnant women and children affected by OUD in 9 state Medicaid populations. *J Addict Med.* 2021 Sep-Oct 01;15(5):406-413.
16. Bauer EC, Carwile JL, **Ahrens KA**. Trends in diagnoses of neonatal abstinence syndrome at newborn hospitalization in Maine 2009-2018, *Journal of the Maine Medical Center.* 2021 Jan. Issue 1, Article 4. doi:10.46804/2641-2225.1071
17. Carwile JL, **Ahrens KA**, Seshasayee SM, Lanphear B, Fleisch AF Predictors of Plasma Fluoride Concentrations in Children and Adolescents, *International Journal of Environmental Research and Public Health.* 2020 17(24), 9205: doi:10.3390/ijerph17249205
18. Vladutiu CJ, Kandasamy V, **Ahrens KA**. Folate levels by time since last live birth among U.S. women, 2007-2016. *Journal of Women's Health* Nov 25. doi: 10.1089/jwh.2020.8428. Online ahead of print.
19. Schummers L, Hutcheon JA, Norman W, Liauw J, Bolatova T, **Ahrens KA**. Interpregnancy interval and pregnancy outcomes: How important is the timing of confounding variable ascertainment? *Paediatric and Perinatal Epidemiology.* 2020 Dec 3. doi: 10.1111/ppe.12716
20. Willis SK, Hatch EE, Wesselink AK, Rothman RJ, Mikkelsen EM, **Ahrens KA**, Wise LA. Postpartum interval and time to pregnancy in a prospective preconception cohort. *Paediatric and Perinatal Epidemiology.* 2020 Jul 23. doi: 10.1111/ppe.12702.
21. Thompson TA, **Ahrens KA**, Coplon L. Virtually possible: using telehealth to bring reproductive healthcare to women with opioid disorder in rural Maine. *mHealth.* May 2020. doi: 10.21037/mhealth-19-237.
22. Frederiksen BN, **Ahrens KA**. Understanding the Extent of Contraceptive Non-use among Women at Risk of Unintended Pregnancy, *National Survey of Family Growth 2011-2017.* *Contraception X.* 2020 Jul 11;2:100033. doi: 10.1016/j.conx.2020.100033.
23. **Ahrens KA**, Lipkind H. Studying the effects of long interpregnancy intervals. *Paediatric and Perinatal Epidemiology.* 2020 May 5. doi: 10.1111/ppe.12680.

24. Daniels K, **Ahrens KA**, Pazol K. Refining assessment of contraceptive use in the past year in relation to risk of unintended pregnancy. *Contraception*. 2020 Aug;102(2):122-128. doi: 10.1016/j.contraception.2020.04.009.
25. **Ahrens KA**, Hutcheon JA. Time for better access to high quality abortion data in the US. *American Journal of Epidemiology*. 2020 Jul 1;189(7):640-647. doi: 10.1093/aje/kwaa048.
26. Simon AE, **Ahrens KA**. Adherence to vitamin D intake guidelines in the United States. *Pediatrics*. 2020 Jun;145(6):e20193574. doi: 10.1542/peds.2019-3574.
27. Nenninger KE, Carwile JL, **Ahrens KA**, Armstrong BA, Thakarar. Rural-urban differences in hospitalizations for opioid use-associated infective endocarditis in the United States, 2003–2016. *Open Forum Infectious Diseases*. 2020 Feb 21; 7(2).
28. Gabrielson S, Carwile J, O'Connor A, **Ahrens KA**. Opioid use disorder among deliveries in a rural state: Maine, 2009-2017. *Public Health*. 2020 Feb 14;181:171-179.
29. Thoma ME, Rossen LM, Da Silva DA, Warner M, Simon AE, Moskosky S, **Ahrens KA**. Beyond birth outcomes: interpregnancy interval and injury-related infant mortality. *Paediatric and Perinatal Epidemiology*. 2019 Sep;33(5):360-370. doi: 10.1111/ppe.12575
30. Janis J, Ziller E, **Ahrens KA**. Age at first sex by birth cohort and rural-urban residence in the United States. *Women's Health Issues*. 2019 Aug 20. pii: S1049-3867(19)30020-9. doi: 10.1016/j.whi.2019.07.004.
31. Loyola Briceno AC, **Ahrens KA**, Thoma ME, Susan Moskosky. Family planning services related to achieving pregnancy in US publicly funded health centers: Results from a survey of health center administrators. *Women's Health Issues*. 2019 Nov - Dec;29(6):447-454. doi: 10.1016/j.whi.2019.07.005.
32. Fowler C, **Ahrens KA**, Decker EJ, Gable J, Wang J, Frederiksen B, Loyola Briceno AC, Moskosky S. Patterns and trends in contraceptive use among women attending Title X clinics and a national sample of low-income women, *Contraception X*. 10⁹ <https://doi.org/10.1016/j.conx.2019.100004>.
33. Carwile J, Fleish A, Young K, **Ahrens KA**. The “new” secondhand smoke: e-cigarette use in US households with children. *JAMA Pediatrics*. 2019 Jul 1;173(7):693-695. doi: 10.1001/jamapediatrics.2019.1139.
34. Haight SC, Hogue CJ, Raskind-Hood C, **Ahrens KA**. Short interpregnancy intervals and adverse pregnancy outcomes by maternal age in the United States. *Annals of Epidemiology*, 2019 Mar;31: 38-44.
35. Dianat S, Fox E, **Ahrens KA**, Upadhyay UD, Zlidar V, Gallo MF, Stidd R, Moskoksy S, Dehlendorf C. Side effects and health benefits of depot medroxyprogesterone acetate: A systematic review. *Obstetrics and Gynecology*, 2019 Feb; 133(2): 332-341.
36. Vladutiu CJ, **Ahrens KA**, Verbiest S, Menard MK, Stuebe AM. Health and well-being of mothers in the United States, 2007-2012. *Journal of Women's Health*, 2018 Nov 20. doi: 10.1089/jwh.2018.7204. [Epub ahead of print]

37. Frederiksen BN, Rivera M, **Ahrens KA**, Malcolm N, Brittain AW, Rollison J, Gavin L, Moskosky SB. Clinic-based programs to prevent repeat teen pregnancy: a systematic review. *American Journal of Preventive Medicine*, 2018 Nov;55(5):736-746.
38. **Ahrens KA**, Moskosky S. Introduction to the Supplement: Updating the systematic reviews used to develop the U.S. Recommendations for Providing Quality Family Planning Services. *American Journal of Preventive Medicine*, 2018 Nov;55(5):671-676.
39. **Ahrens KA**, Hutcheon J, Ananth CV, Basso O, Briss PA, Ferré CD, Frederiksen BN, Harper S, Hernández-Díaz S, Hirai AH, Kirby RS, Klebanoff MA, Lindberg L, Mumford SL, Nelson HD, Platt RW, Rossen LM, Stuebe AM, Thoma ME, Vladutiu CJ, Moskosky S. Report of the Office of Population Affairs expert work group meeting on short birth spacing and adverse pregnancy outcomes: methodological quality of existing studies and future directions for research. *Paediatric and Perinatal Epidemiology*. 2019 Jan;33(1):05-014. doi: 10.1111/ppe.12504
40. Hutcheon J, Moskosky S, Ananth CV, Basso O, Briss PA, Ferré CD, Frederiksen BN, Harper S, Hernández-Díaz S, Hirai AH, Kirby RS, Klebanoff MA, Lindberg L, Mumford SL, Nelson HD, Platt RW, Rossen LM, Stuebe AM, Thoma ME, Vladutiu CJ, **Ahrens KA**. Good practices for studying the causal effect of short birth spacing on adverse pregnancy outcomes. *Paediatric and Perinatal Epidemiology*. 2019 Jan;33(1):015-024. doi: 10.1111/ppe.12512
41. **Ahrens KA**, Nelson HD, Stidd R, Moskosky S, Hutcheon J. Short interpregnancy intervals and adverse perinatal outcomes in high-resource settings: An updated systematic review. *Paediatric and Perinatal Epidemiology*. 2019 Jan;33(1):025-047. doi: 10.1111/ppe.12503
42. Hutcheon J, Nelson HD, Stidd R, Moskosky S, **Ahrens KA**. Short interpregnancy intervals and adverse maternal outcomes in high-resource settings: An updated systematic review. *Paediatric and Perinatal Epidemiology*. 2019 Jan;33(1):048-059. doi: 10.1111/ppe.12518
43. **Ahrens KA**, Hutcheon JA. Introduction to the Supplement: Birth spacing in the United States. *Paediatric and Perinatal Epidemiology*. 2019 Jan;33(1):01-04. doi: 10.1111/ppe.12523
44. Sjaarda LA, **Ahrens KA**, Kuhr DL, Holland TL, Omosigho BS, Steffen BT, Weir NL, Tollman HK, Silver RM, Tsai MY, Schisterman EF. Placental tissue collection, processing, and measurement procedures for application in large scale assessment of placental inflammation. *PLoS One*, 2018. May 11;13(5):e0197039.
45. **Ahrens KA**, Thoma ME, Copen CE, Frederiksen BN, Decker EJ, Moskosky S. Unintended pregnancy and interpregnancy interval by maternal age, National Survey of Family Growth. *Contraception*, 2018 Jul;98(1):52-55.
46. Pollack AZ, Rivers K, **Ahrens KA**. Telomere length and parity among reproductive aged women in the US. *Human Reproduction*, 2018 Apr 1;33(4):736-744.
47. Rossen LM, **Ahrens KA**, Branum AM. Trends in pregnancy loss among US women: National Survey of Family Growth 1991-2011. *Paediatric and Perinatal Epidemiology*, 2018 Jan;32(1):19-29.

48. Decker EJ, **Ahrens KA**, Fowler CI, Carter M, Gavin L, Moskosky S. Trends in health insurance coverage of Title X Family Planning Program clients, 2005-2015. *Journal of Women's Health*. 2018. May;27(5):684-690.
49. Frederiksen BN, **Ahrens KA**, Gavin LE, Moskosky S. Global goals for contraception: how does the United States compare? *Perspectives on Reproductive and Sexual Health*, 2017 Dec;49(4):197-205.
50. **Ahrens KA**, Thoma M, Rossen LM, Warner M, Simon AE. Birth order and injury-related infant mortality in the United States. *American Journal of Preventive Medicine*. 2017 Oct: 53(4): 412-420.
51. Gavin LE, **Ahrens KA**, Dehlendorf CD, Frederiksen BN, Decker E, Moskosky S. Future directions in performance measures for contraceptive care: a proposed framework. *Contraception*. 2017 Sep: 96(3): 138-144.
52. **Ahrens KA**, Hutcheon J, Gavin L, Moskosky S. Reducing unintended pregnancies as a strategy to avert Zika-related microcephaly births in the United States: a simulation study. *Maternal Child Health Journal*. 2017 May: 21(5): 982-987.
53. Branum AM, **Ahrens KA**. Trends in gestational age at time of pregnancy awareness, National Survey of Family Growth 1995-2013. *Maternal Child Health Journal*. 2016 Jul 23.
54. **Ahrens KA**, Haley B, Rossen LM, Lloyd PC, Aoki Y. Housing assistance and blood lead levels in children in the United States, 2005-2012. *American Journal of Public Health*. 2016 Nov: 106 (11): 2049-2056.
55. **Ahrens KA**, Thoma ME, Rossen LM, Warner M, Simon AE. Plurality and infant mortality due to external causes in the United States, 2000-2010. *American Journal of Epidemiology*. 2017 Mar: 185(5):335-344.
56. Sapra KJ, Chaurasia AK, Hutcheon JA, **Ahrens KA**. Reconstructing a pregnancy cohort to examine potential selection bias in studies of racial disparities in preterm delivery. *Paediatric and Perinatal Epidemiology*. 2017 Jan: 31(1): 55-63.
57. **Ahrens KA**, Rossen LM, Branum AM. Pregnancy loss history at first parity and risk of adverse pregnancy outcomes. *Annals of Epidemiology*. 2016 Jul: 26(7): 474-481.
58. Schisterman EF, Perkins NJ, Mumford SL, **Ahrens KA**, Mitchell E. Collinearity—a lesson on the importance of model specification. *Epidemiology*. 2017 Jan: 28(1): 47-53.
59. **Ahrens KA**, Silver RM, Perkins NJ, Wong L, Galai N, Leshner LL, Faraggi D, Wactawski-Wende J, Townsend JM, Lynch AM, Mumford SL, Schisterman EF. Complications and safety of preconception low-dose aspirin among women with prior pregnancy losses. *Obstetrics and Gynecology*. 2016 Apr: 127(4): 689-698.
60. **Ahrens KA**, Rossen LM, Simon AE. The relationship between mean leukocyte telomere length and measures of allostatic load in US reproductive aged women, NHANES 1999–2002. *Paediatric and Perinatal Epidemiology*. 2016 Jul: 26(7): 474-481.

61. Simon AE, **Ahrens KA**, Akinbami LJ. Influenza vaccination among US children with asthma, 2005-2013. *Academic Pediatrics*. 2016 Jan-Feb;16(1):68-74
62. **Ahrens KA**, Rossen LM, Simon AE. Adherence to vitamin D recommendations among U.S. infants aged 0–11 months, NHANES 2009–2012. *Clinical Pediatrics*. 2016 Jun; 55(6):555-556.
63. Shimony MK, Mumford SL, Schliep KC, **Ahrens KA**, Sjaarda LA, Rotman Y, Perkins JN, Pollack AZ, Wactawski-Wende J, Schisterman EF. The relationship between sugar-sweetened beverages and liver enzymes among healthy premenopausal women: a prospective cohort study. *European Journal of Nutrition*. 2016 Mar; 55(2):569-576
64. Matyas RA, Mumford SL, Schliep KC, **Ahrens KA**, Sjaarda LA, Perkins NJ, Filiberto AC, Mattison D, Zarek SM, Wactawski-Wende J, Schisterman EF. Effects of over-the-counter analgesic use on reproductive hormones and ovulation in healthy, premenopausal women. *Human Reproduction*. 2015 Jul; 30(7):1714-1723.
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66. **Ahrens KA**, Cole SR, Westreich D, Platt RW, Schisterman EF. A cautionary note about estimating effect of secondary exposures in cohort studies. *American Journal of Epidemiology*, 2015 Feb 1; 181 (3):198-203.
67. Schliep KC, Mumford SL, Vladutiu CJ, **Ahrens KA**, Perkins NJ, Prasad A, Wactawski-Wende J, Schisterman EF. Perceived stress, reproductive hormones, and ovulatory function among premenopausal women in the BioCycle Study. *Epidemiology*, 2015 Mar; 26 (2):177-184.
68. **Ahrens KA**, Kerr S, Louik C, Mitchell AA, Werler MM. Influenza vaccination during pregnancy and the risks of preterm and small for gestational age (SGA) birth. *Paediatric and Perinatal Epidemiology*. 2014 Nov; 28 (6):498-509.
69. Prasad A, Schisterman EF, Schliep KC, **Ahrens KA**, Sjaarda LA, Perkins NJ, Matyas R, Wactawski-Wende J, Mumford SL. Depressive symptoms and their relationship with endogenous reproductive hormones and sporadic anovulation in premenopausal women. *Annals of Epidemiology*. 2014 Oct; 24 (12):920-924.
70. Schliep KC, Mumford SL, **Ahrens KA**, Hotaling JM, Carrell DT, Link M, Hinkle SN, Kissell KA, Porucznik, CA, Peterson CM, Hammoud AO. The effect of male and female body mass index on pregnancy and live birth success after *in vitro* fertilization. *Fertility and Sterility*, 2015 Feb; 103 (2):388-395.
71. Schliep KC, Mumford SL, Hammoud AO, Stanford JB, Kissell KA, Sjaarda LA, Perkins NJ, **Ahrens KA**, Wactawski-Wende J, Mendola P, Schisterman EF. Luteal phase deficiency in regularly menstruating women: prevalence and overlap in identification based on clinical and biochemical diagnostic criteria. *Journal of Clinical Endocrinology and Metabolism*, 2014 Jun; 99 (6):E1007-1014

72. Prasad A, Mumford SL, Buck Louis GM, **Ahrens KA**, Sjaarda LA, Schliep KC, Perkins NJ, Kissell KA, Wactawski-Wende J, Schisterman EF. Sexual activity, endogenous reproductive hormones and ovulation in premenopausal women. *Hormones and Behavior*, 2014 Jul; 66 (2):330-338
73. Kissell KA, Danaher M, Schisterman EF, Wactawski-Wende J, **Ahrens KA**, Schliep KC, Perkins JN, Sjaarda LA, Mumford SL. Serum anti-Müllerian hormone variation throughout the menstrual cycle in healthy regularly menstruating women. *Human Reproduction*, 2014 Aug; 29 (8):1764-1772
74. Pollack AZ, Sjaarda LA, **Ahrens KA**, Mumford SL, Browne RW, Wactawski-Wende J, Schisterman EF. Association of cadmium, lead and mercury with paraoxonase 1 activity in women. *PLoS One*, 01/2014; 9 (3):e92152.
75. **Ahrens KA**, Mumford SL, Schliep KC, Kissell KA, Perkins NJ, Wactawski-Wende J, Schisterman EF. The effect of serum leptin levels on reproductive hormones and the risk of sporadic anovulation. *American Journal of Obstetrics and Gynecology*. 2014 Mar; 210 (3):248.e1-9
76. **Ahrens KA**, Vladutiu CJ, Mumford SL, Schliep KC, Perkins NJ, Wactawski-Wende J, Schisterman EF. The effects of physical activity across the menstrual cycle on reproductive function. *Annals of Epidemiology*. 2014 Feb; 24 (2):127-34
77. Louik C, **Ahrens K**, Kerr S, Pyo J, Chambers C, Jones K, Schatz M, Mitchell A. Risks and safety of pandemic H1N1 influenza vaccine in pregnancy: exposure prevalence, preterm delivery and specific birth defects. *Vaccine*. 2013 Oct; 31 (44): 5033-5040
78. **Ahrens K**, Anderka M, Feldkamp M, Canfield M, Mitchell A, Werler M. Antiherpetic medication use and the risk of gastroschisis: findings from the National Birth Defects Prevention Study. *Paediatric and Perinatal Epidemiology*. 2013 May; 27 (3): 258-262.
79. **Ahrens K**, Lash TL, Louik C, Mitchell AA, Werler MM. Correcting for exposure misclassification using survival analysis with a time-varying exposure. *Annals of Epidemiology*. 2012 November; 22 (11):799-806.
80. Werler MM, **Ahrens KA**, Bosco JLF, Mitchell AA, Anderka MT, Gilboa SM, Holmes LB and the National Birth Defects Prevention Study. Use of antiepileptic medications in pregnancy in relation to risks of birth defects. *Annals of Epidemiology*. 2011 November; 22 (11): 842-850.
81. **Ahrens K**, Yazdy M, Mitchell AA, Werler MM. Folic acid intake and spina bifida in the era of dietary folic acid fortification. *Epidemiology*. 2011 May; 22 (5):731-737.
82. Katz KA, Pillay A, **Ahrens K**, Kohn RP, Hermanstynne K, Bernstein KT, Ballard RC, Klausner JD. Molecular epidemiology of syphilis—San Francisco, 2004-2007. *Sex Transm Dis*. 2010 Oct; 37(10); 660-663.
83. Gertler S, **Ahrens K**, Klausner JD. Increased knowledge of safe and appropriate penicillin injection after viewing brief instructional video titled "How to Inject Bicillin LA". *Sex Transm Dis*. 2009 Mar; 36 (3); 147-148.

84. Zetola NM, Bernstein K, **Ahrens K**, Marcus JL, Philip S, Nieri G, Jones D, Hare CB, Hsu L, Scheer S, Klausner JD. Using surveillance data to monitor entry into care of newly diagnosed HIV-infected persons: San Francisco, 2006-2007. *BMC Public Health*. 2009 Jan 14; 9:17.
85. Scott KC, Philip S, **Ahrens K**, Kent CK, Klausner JD. High prevalence of gonococcal and chlamydial infection in men who have sex with men with newly diagnosed HIV infection: an opportunity for same-day presumptive treatment. *J Acquir Immune Defic Syndr*. 2008 May 1; 48 (1):109-112.
86. Philip SS, **Ahrens K**, Shayevich C, de la Roca R, Williams M, Wilson D, Bernstein K, and Klausner JD. Evaluation of a new point-of-care serologic assay for herpes simplex virus type 2 infection. *Clin Infect Dis*. 2008 Nov 15; 47(10):e79-82.
87. Liu AY, Kittredge PV, Vittinghoff E, Raymond HF, **Ahrens K**, Matheson T, Hecht J, Klausner JD, Buchbinder SP. Limited knowledge and use of HIV post- and pre-exposure prophylaxis among gay and bisexual men. *J Acquir Immune Defic Syndr*. 2008 Feb 1; 47(2):241-247.
88. **Ahrens K**, Kent CK, Kohn RP, Nieri G, Reynolds A, Philip S, Klausner JD. HIV partner notification outcomes for HIV-infected patients by duration of infection, San Francisco, 2004 to 2006. *J Acquir Immune Defic Syndr*. 2007 Dec 1; 46(4):479-484
89. Moss N, Harper C, **Ahrens K**, Scott K, Padian N, Raine T, Klausner JD. Predictors of incident herpes simplex virus type 2 infections in young women at risk for unintended pregnancy in San Francisco. *BioMed Central Infectious Diseases*. 2007 Sep 26; 7:113.
90. Papp J, **Ahrens K**, Phillips C, Kent CK, Philip S, Klausner JD. The use and performance of oral-throat rinses to detect pharyngeal *Neisseria gonorrhoeae* and *Chlamydia trachomatis* infections. *Diagn Microbiol Infect Dis*. 2007 Nov; 59(3):259-264.
91. Vaudrey J, Raymond HF, Chen S, Hecht J, **Ahrens K**, McFarland W. Indicators of use of methamphetamine and other substances among men who have sex with men, San Francisco, 2003 – 2006. *Drug Alcohol Depend*. 2007 Sep 6; 90(1):97-100.
92. **Ahrens K**, Bradbury KJ, Bauer HM, Samuel MC, Gould G, Donatoni G, Higgins C, Kerndt P, Bolan G. Trends in the use of sexually transmitted disease diagnostic technologies in California, 1996-2003. *Sex Transm Dis*. 2007 Jul; 34(7):513-518.
93. Strona FV, McCright J, Hjord H, **Ahrens K**, Tierney S, Shoptaw S, Klausner JD. The acceptability and feasibility of the positive reinforcement opportunity project, a community-based contingency management methamphetamine treatment program, in gay and bisexual men, San Francisco. *Journal of Psychoactive Drugs*. 2006 November SARC Suppl 3: 377-381.
94. **Ahrens K**, Kent CK, Montoya JA, Rotblatt H, McCright J, Kerndt P, Klausner JD. Healthy Penis: San Francisco's social marketing campaign to increase syphilis testing among gay and bisexual men. 2006 *PLoS Medicine* Vol. 3, No. 12.

INVITED COMMENTARIES

95. **Ahrens K**, Schisterman EF. A time and place for causal inference methods in perinatal and paediatric epidemiology: commentary. *Paediatric and Perinatal Epidemiology*. 2013 July; 27 (4): 340-345.
96. **Ahrens KA**, Hutcheon JA. Optimal birth spacing: what can we measure and what do we want to know? *Paediatric and Perinatal Epidemiology*, 2018. Epublished.

BOOK CHAPTERS

97. Klausner JD and **Ahrens KA**. Health Communication and Surveillance Case Study: A Healthy Response to Increases in Syphilis—The San Francisco Healthy Penis Campaign. Eds: M'ikanatha, Lynfield, Van Beneden and de Valk: *Infectious Disease Surveillance* 1st edition 2007. Blackwell Publishing, Malden, Massachusetts.
98. Klausner JD and **Ahrens KA**. Health Communication and Surveillance Case Study: A Healthy Response to Increases in Syphilis—The San Francisco Healthy Penis Campaign. Eds: M'ikanatha, Lynfield, Van Beneden and de Valk: *Infectious Disease Surveillance* 2nd edition 2013. Blackwell Publishing, Malden, Massachusetts.

OTHER PUBLICATIONS

1. Gavin L, Pazol K, **Ahrens KA**. Update: Providing Quality Family Planning Services - Recommendations from CDC and the U.S. Office of Population Affairs, 2017. *MMWR Morb Mortal Wkly Rep*, 2017 Dec 22;66(50):1383-1385.
2. **Ahrens KA**, Thoma ME, Rossen LM. Letter to the Editor. Interpregnancy interval and adverse pregnancy outcomes: an analysis of successive pregnancies. *Obstetrics and Gynecology*. 2017. Aug;130 (2):464.
3. Pazol K, Robbins C, Black L, **Ahrens KA**, Chandra A, Daniels K, Martinez G, Vahratian A, Gavin L. Receipt of Selected Preventive Health Services for Women and Men of Reproductive Age - United States, 2011-2013, 2017 Oct 27;66(20):1-31.
4. Herrick K, **Ahrens KA**, Hamner H, Ogden C. *FROM DATA TO ACTION • CDC'S PUBLIC HEALTH SURVEILLANCE FOR WOMEN, INFANTS, AND CHILDREN*. 2nd Edition. Chapter on Child Health, Nutrition. 2020. US Department of Health and Human Services, Public Health Service
5. Federal Interagency Forum on Child and Family Statistics. *America's Children: Key National Indicators of Well-Being, 2015*. Washington, DC: U.S. Government Printing Office. **Ahrens K**, contributing writer as staff of the Forum.
6. **Ahrens K**. *Consequences of controlling for viral diseases during pregnancy: antiherpetic medication and influenza vaccination*. A doctoral dissertation submitted to the Faculty of the Graduate School of Arts and Sciences at Boston University, May, 2012.

7. Moss NJ, **Ahrens K**, Kent CK, Klausner JD. Letter to the Editor: The decline in clinical sequelae of genital *Chlamydia trachomatis* infection supports current control strategies. *J Infect Dis.* 2006 May 1; 193(9): 1336-1338.

MANUSCRIPTS UNDER REVIEW

UNDER REVIEW

Way E, **Ahrens KA**, Carwile JL, Ziller EZ. The Association between Birth Setting and Infant Mortality by Rural-Urban Residency, 2010-2017, *Maternal Child Health Journal*

Jarlenski M, **Ahrens KA**, Austin AE, Chappell C, Chen Q, Donohue JM, Hammerslag L, Krans EE, McDuffie MJ, Talber J, Tang L. HCV Cascade of care for pregnant and postpartum women with opioid use disorders: analysis of state Medicaid populations

Nelson HD, Cantor A, Jungbauer RM, Eden K, Darney B, **Ahrens KA**, Burgess A, Goueth R, Fu R, Atchinson C. Effectiveness and harms of contraceptive counseling and provision: a meta-analysis

Zivin K, Allen L, Barnes AJ, Junker S, Kim JY, Tang L, Gordon AJ, Kennedy S, **Ahrens KA**, Burns M, Clark S, Cole E, Crane D, Idala D, Lanier P, Mohamoud S, Jarlenski M, McDuffie JM, Talbert J, Donohue JM. Design, Implementation, and Evolution of the Medicaid Outcomes Distributed Research Network (MODRN)

Cunningham P, Barnes AJ, Mohamoud S, Allen L, Talbert J, Jarlenski M, Kim JK, Gordon AJ, Tang L, Chang C, Junker S, Mauk R, **Ahrens KA**, Austin AE, Clark S, McDuffie MJ, Kennedy S, Donohue JM, Burns M. Post Care Visits Following Emergency Department Care for Patients with Opioid Use Disorder: Do They Reduce Future Overdoses?

Burns M, Tang L, Kim JY, **Ahrens KA**, Allen L, Cunningham P, Gordon AJ, Jarlenski MP, Lanier P, Mauk R, McDuffie MJ, Mohamoud S, Talbert J, Zivin K, Donohue JM. Duration of Medication Treatment for Opioid-Use Disorder and Risk of Overdose among 1 Medicaid Enrollees in Eleven States

McMahon S, **Ahrens KA**. Trends in cannabis-related and opioid-related hospitalization rates in the state of Maine, 2010 - 2020

PROFESSIONAL ACTIVITIES

Advisory Group Member	MaineMOM, Maine Department of Health's initiative serving pregnant and parenting women with opioid use disorder December 2020-present
Evaluation Advisory Group	Upstream USA A national contraceptive access initiative March 2020- present
Co-guest editor	Special issue: Birth spacing in the United States – Advancing research methods <i>Paediatric and Perinatal Epidemiology</i>

Five manuscripts and three commentaries
July 2021

Co-guest editor Theme issue: Birth spacing in the U.S.: towards evidence-based recommendations
Paediatric and Perinatal Epidemiology
Six manuscripts and one commentary
January 2019

Co-guest editor Theme issue: Updating the systematic reviews used to develop the U.S. Recommendations for Providing Quality Family Planning Services
Seven manuscripts and one commentary
American Journal of Preventive Health
December 2018

Organizer Office of Analysis and Epidemiology, National Center for Health Statistics, Centers for Disease Control and Prevention.
Monthly Pediatric and Perinatal Research Journal Club
2015-2016

Co-organizer NICHD Epidemiology and Reproductive Endocrinology & Infertility Joint Journal Club
2013-2014

Co-organizer NICHD Division of Intramural Population Health Research Epidemiologic Methods Club 2013-2014

Reviewer *American Journal of Epidemiology, American Journal of Obstetrics and Gynecology, American Journal of Perinatology, Annals of Epidemiology, Annals of Human Biology, BMC Childbirth, British Medical Journal, BMJ Open, Environmental Health Perspective, Epidemiology, European Journal of Clinical Nutrition, Fertility and Sterility, HIV Clinical Trials, Human Reproduction, JAMA Pediatrics, JAMA Health Forum, Journal of Addiction Medicine, Journal of the Maine Medical Center, Paediatric and Perinatal Epidemiology, Pediatrics, Public Health Reports, Public Library of Science (PLoS), Sexually Transmitted Diseases Journal, Women's Health Issues*

Member *Society for Epidemiologic Research (2010 to present)*
Society for Pediatric and Perinatal Epidemiologic Research (2010 to present)

Abstract Reviewer and/or Poster Judge National Conference on Health Statistics 2015
Society for Perinatal and Pediatric Epidemiologic Research (2012 to 2021)
Society for Epidemiologic Research (2013 to 2015, 2018 to 2021)

PRESENTATIONS

INVITED TALKS AND SEMINARS

- 2021 State University Partners Learning Network
MODRN Data Blitz, Testing for HIV/HCV/HBV among persons initiating treatment for
opioid use disorder
December, Virtual
- 2021 State University Partners Learning Network
MaineMOM Birth-Death Data Linkage Project
December, Virtual
- 2021 State Epidemiological Outcomes Workgroup
Trends in Cannabis-related and Opioid-related Hospitalization Rates in the State of
Maine, 2010 – 2020
Student presentation, Suzanne McMahon
November, Virtual
- 2021 Guest Lecture, Special Topics in Public Health: Substance Use Disorders
Muskie School of Public Service
Recent trends and treatment patterns for pregnant women with opioid use disorder in
select states
November, Portland, ME
- 2021 Maine All Payer Claims Data (APCD) Training 4: APCD Research Use Case
October, Virtual
- 2021 Maine Department of Health and Human Services
Opioid Coordinating Committee
Use of medications for OUD and potential indicators of quality of care in multiple states
September, Virtual
- 2021 Northern New England Center for Translational Research Round 3 Pilot Project:
The health outcomes of pregnant women with opioid use disorder: Maine and Vermont
July, Virtual
- 2021 State Epidemiological Outcomes Workgroup
MaineMOM Birth-Death Data Linkage Project
May, Virtual
- 2021 How Distributed Research Networks Work in Real Life
University of Southern Maine
April, Virtual
- 2021 Rural Health Research Gateway Webinar
HIV and Hepatitis C in Rural Areas: Prevalence, Service Availability, and Challenges
April, Virtual

- 2021 Muskie Lunch n Learn
Recent trends and treatment patterns for pregnant women with opioid use disorder in select states
March, Virtual
- 2021 Guest Lecture, Epidemiology
Muskie School of Public Service
Recent trends and treatment patterns for pregnant women with opioid use disorder in select states
March, Virtual
- 2021 Research update to the Maine Department of Health and Human Services
SUPLN MODRN State University Learning Network (SUPLN)
Medicaid Outcomes Distributed Research Network (MODRN)
Research findings
March, Virtual
- 2019 University of British Columbia
Family Planning Fellow Seminar
Short interpregnancy intervals and pregnancy outcomes
September, Vancouver, BC Canada
- 2019 University of Tromsø
Family Planning Seminar
Contraception method imitation in young women: US and Norway
September, Tromsø, Norway
- 2018 Maine Medical Center Research Institute
Center for Outcomes Research and Evaluations
Housing assistance and blood lead levels in children in the United States, NHANES 2005-2012
December, Portland, ME
- 2017 Health disparities and housing
George Mason University
Guest lecture in *Environmental Epidemiology*
April, Fairfax, VA
- 2017, 2018 Health disparities and housing
University of Maryland, Family Sciences Department
Guest lecture in *Maternal, Child and Family Health*
April, College Park, MD
- 2016 Blood lead levels in children living in assisted housing in the United States
National Center for Health Statistics
Health Disparities Workgroup Seminar
May, Hyattsville, MD
- 2016 Straight from the source: pregnancy data from the National Survey of Family Growth

National Institutes of Health
Program in Reproductive and Adult Endocrinology
Research in Progress Conference Series
April, Bethesda, MD

- 2016 Using the pregnancy file from the National Survey of Family Growth (NSFG): opportunities and pitfalls
George Washington University
Milken Institute School of Public Health
Department of Epidemiology and Biostatistics
Departmental Seminar
January, Washington DC
- 2015 Plurality and infant mortality due to external causes in the United States, 2000-2010
Division of Reproductive Health, Centers for Disease and Control Prevention
Research in Progress Seminar
January, Atlanta, GA
- 2015 Plurality and infant mortality due to external causes in the United States, 2000-2010
National Center for Health Statistics
Health Disparities Workgroup Seminar
December, Hyattsville, MD
- 2015 Folic acid and neural tube defects
George Mason University
Guest lecture in *Chronic Disease Epidemiology*
December, Fairfax, VA
- 2015, 2016, 2017 Folic acid and neural tube defects
George Washington University
Milken Institute School of Public Health
Guest lecture in *Nutritional Epidemiology*
November, Washington DC
- 2014 Preconception low dose aspirin and adverse events: findings from the EAGeR (Effects of Aspirin in Gestation and Reproduction) randomized trial
Reproductive Endocrinology and Infertility Research in Progress Seminar Series
National Institutes of Health
April, Bethesda, MD
- 2013 The effect of serum leptin levels on reproductive function
Reproductive Endocrinology and Infertility Research in Progress Seminar Series
National Institutes of Health
July, Bethesda, MD
- 2012 Consequences of controlling viral diseases during pregnancy: antihypertensive medication and influenza vaccination
Slone Center for Epidemiology Brown Bag Seminar Series
May, Boston, MA

- 2011 Influenza vaccination before and during pregnancy and the risk of preterm birth. Advanced methods student workshop on bias analysis with Dr. Timothy Lash. Society for Pediatric and Perinatal Epidemiologic Research Annual Meeting June, Montreal, Quebec, Canada
- 2011 Influenza vaccination before and during pregnancy and the risk of preterm birth Colby College Mathematics and Statistics Department Spring Colloquium Series March, Waterville, ME
- 2009 Use of antiepileptic medications in pregnancy in relation to risks of birth defects National Birth Defects Prevention Study Webinar November

ORAL PRESENTATIONS, ACCEPTED ABSTRACTS

- 1) 2021 McCarthy K, Ahrens KA, Vieira L, Mayer V, Liu S, Janevic T. Assessing the potential for differential disease misclassification in survival analysis: Applying probabilistic bias analysis Society for Epidemiological Research Digital November, virtual conference
- 2) 2021 Carwile JL, Seshasayee SM, **Ahrens KA**, Hauser R, Chavarro JE, Fleisch AF. Dietary correlates of urinary phthalate metabolite concentrations in 6-19 year old children and adolescents. International Society of Environmental Epidemiology July, virtual conference.
- 3) 2021 Ahrens KA, Skjeldestad FE. Trends in initiation of hormonal contraceptive methods among teenagers born between 1989 and 1997 in Norway and the United States, Society for Perinatal and Pediatric Epidemiological Research June, virtual conference.
- 4) 2021 Petersen J, **Ahrens KA**, Bodnar LE, Parker SE, Werler MM, Hutcheon JA. Gestational weight gain trajectories by pregnancy obesity class and infant size at birth. Society for Perinatal and Pediatric Epidemiological Research June, virtual conference.
- 5) 2021 Petersen J, **Ahrens KA**, Parker SE, Werler MM, Hutcheon JA. 'Counterfactuals in etiologic studies of interpregnancy intervals: "What ifs" and "buts"'. Society for Perinatal and Pediatric Epidemiological Research June, virtual conference.
- 6) 2021 Hutcheon JA, **Ahrens KA**, Janevic T. Respiratory syncytial virus bronchiolitis hospitalizations in young infants after the introduction of paid family leave in New York State. Society for Perinatal and Pediatric Epidemiological Research June, virtual conference.
- 7) 2021 Way EA, Carwile JL, Ziller EC, **Ahrens KA**. Out-Of-Hospital Births, Rural Maternal Residence, and Infant Mortality in the United States'. Society for Perinatal and Pediatric Epidemiological Research

- June, virtual conference.
- 8) 2021 Way EA, Carwile JL, Ziller EC, **Ahrens KA**. Out-Of-Hospital Births, Rural Maternal Residence, and Infant Mortality in the United States'. National Rural Health Association
June, virtual conference.
 - 9) 2021 Panel Presentation: Opioid Use Disorder Policy, Treatment and Outcomes in 12 State Medicaid Programs
Academy Health ARM
June, virtual conference
 - 10) 2020 Schummers et al. Interpregnancy interval and perinatal outcomes after a perinatal loss SOGC, Summer, 2020. Ottawa, Canada
 - 11) 2020 **Ahrens KA**. Living and dying in rural areas
Society for Epidemiological Research
Symposium organized by: **Ahrens KA**, Rossen LM
December, virtual conference
 - 12) 2020 Bauer EC, Carwile J, **Ahrens KA**. Estimating neonatal abstinence syndrome in Maine hospital discharge data using different case definitions. Oral presentation.
Maine Public Health Association
Fall 2020. Virtual event.
 - 13) 2020 **Ahrens KA**. HIV, Hepatitis, and Opioid-Use Disorder in Rural Communities
National Rural Health Association
Symposium organized by: Ahrens KA, Ziller E, Ferdinand A, Akinlotan M
May, virtual conference
 - 14) 2020 Schummers L, Liauw J, Hutcheon JA, **Ahrens KA**, VanderWeele TJ, Karacabeyli E, Norman WV. Interpregnancy interval and pregnancy outcomes after a perinatal loss
Canadian National Perinatal Research Meeting
Banff, Canada
 - 15) 2020 Schummers L, Liauw J, Hutcheon JA, **Ahrens KA**, VanderWeele TJ, Karacabeyli E, Norman WV. Interpregnancy interval and pregnancy outcomes after a perinatal loss
BC Children's Hospital Research Institute's Healthy Starts Research Day
Vancouver, Canada
 - 16) 2019 Gabrielson S, Carwile J, O'Connor A, **Ahrens KA**. Opioid use disorder among deliveries in a rural state: Maine, 2009-2017.
Northern New England Epidemiology Conference,
November, Portland, ME
 - 17) 2019 **Ahrens KA**. Good Epi, Bad Epi: is short birth spacing really that bad?
Society for Epidemiological Research
Symposium organized by: Pereira G, **Ahrens KA**
June, Minneapolis, MN

- 18) 2019 Carwile JL, **Ahrens KA**, Seshasayee SM, Fleisch AF. Associations of dietary factors and oral health behaviors with plasma fluoride concentrations in children and adolescents aged 6 to 19 years. Society for Perinatal and Pediatric Epidemiological Research
June, Minneapolis, MN
- 19) 2018 Loyola Briceno AC, **Ahrens KA**, Decker E, Frederiksen BF, Moskosky S. Trends in sexually transmitted disease testing among Title X Family Planning Program clients, 2005-2016
STD Prevention Conference
August, Washington, DC
- 20) 2016 Rivers K, Pollack AZ, **Ahrens KA**
Telomere length and parity among US women 20 to 44 years of age
American Public Health Association.
November, Denver, CO.
- 21) 2014 **Ahrens KA**, Silver RM, Perkins NJ, Wong L, Galai N, Leshner LL, Faraggi D, Wactawski-Wende J, Townsend JM, Lynch AM, Mumford SL, Schisterman EF. Preconception low dose aspirin and pregnancy outcomes: findings from the EAGeR (Effects of Aspirin in Gestation and Reproduction) randomized trial.
Society for Maternal-Fetal Medicine
February, New Orleans, LA
- 22) 2013 **Ahrens KA**, Mumford SL, Schliep KC, Perkins NJ, Wactawski-Wende J, Schisterman EF. Marginal structural models for continuous exposures in the longitudinal setting: an application to reproductive epidemiology.
Society for Epidemiologic Research Annual Meeting
June, Boston, MA
- 23) 2012 **Ahrens KA**. Marginal structural models for continuous exposures in the longitudinal setting: an application to reproductive epidemiology.
Society for Epidemiologic Research 2nd Annual Student Web Meeting
November
- 24) 2010 **Ahrens K**, Yazdy M, Mitchell AA, Werler MM. Folic acid intake and spina bifida in the era of dietary folic acid fortification.
Society for Pediatric and Perinatal Epidemiologic Research
June, Seattle, WA
- 25) 2008 Philip S, **Ahrens K**, Bernstein K, Klausner JD. Performance of a new rapid herpes simplex virus type 2 fingerstick assay in an urban STD clinic.
BASHH / ASTDA
May, Brooklyn, NY.
- 26) 2008 Bernstein K, **Ahrens K**, Philip S, Klausner JK. Rectal STD re-infections increase risk of HIV seroconversion.
BASHH / ASTDA
May, Brooklyn, NY

- 27) 2008 Bernstein KT, **Ahrens K**, Philip S, Klausner JK. Factors associated with concurrent sexual partnerships among men who have sex with men (MSM). National Sexually Transmitted Diseases Prevention Conference March, Chicago, IL
- 28) 2008 Philip S, **Ahrens K**, Bernstein KT and Klausner JD. Rates of repeat testing among patients diagnosed with chlamydia and gonorrhea at a public STD clinic: San Francisco 2005-2006 National Sexually Transmitted Diseases Prevention Conference. March, Chicago, IL
- 29) 2008 Newman L, **Ahrens K**, Bissette J, Datta D, Kerani R, Klingler E, Kohn R, Martins S, Rietmeijer K, Weinstock H. Monitoring genital wart disease in STD clinics through the STD Surveillance Network (SSuN). National Sexually Transmitted Diseases Prevention Conference March, Chicago, IL
- 30) 2007 Klausner JD, Philip S, **Ahrens K**, Nieri N, Kohn R, Louie B, Wong E, Liska S. Combined rapid and HIV RNA testing in a public STD clinic, San Francisco, 2004-2006 HIV Diagnostics Conference. December, Atlanta, GA
- 31) 2007 Klausner JD, Winters M, **Ahrens K**, Balamane M, Rowniak S, De La Roca R, Israelski D, Katzenstein D. Oral fluid specimens for the detection of acute HIV infection. HIV Diagnostics Conference December, Atlanta, GA
- 32) 2007 **Ahrens K**, Kent CK, Nieri G, Philip S, Klausner, JD. Monitoring entry into primary care for newly diagnosed HIV-infected persons: San Francisco, 2006. HIV Diagnostics Conference December, Atlanta, GA
- 33) 2007 Scott K, Kent CK, **Ahrens K**, Philip S, Klausner JD. Chlamydial and gonococcal infection among gay and bisexual men at time of HIV positive test result: implications for co-treatment, San Francisco 2004-2006. Conference on Retroviruses and Opportunistic Infections February, Los Angeles, CA
- 34) 2006 Papp JR, **Ahrens K**, Philips C, Farshy C, Kent CK, Klausner JD. The performance of oral rinses as a novel approach to detect pharyngeal Neisseria gonorrhoeae and Chlamydia trachomatis Infections. International Union against Sexually Transmitted Diseases October, Versailles, France
- 35) 2006 Levine D, Scott K, **Ahrens K**, Kent CK, Klausner JD. InSPOT.org: A unique online partner notification system. National Sexually Transmitted Diseases Prevention Conference May, Jacksonville, FL

ABSTRACTS ACCEPTED AS POSTER PRESENTATIONS, CONFERENCE LIST

- 1) 2021 Society for Perinatal and Pediatric Epidemiological Research
June. Virtual event.
- 2) 2021 Society for Epidemiological Research
June. Virtual event.
- 3) 2021 National Abortion Federation
May. Virtual event.
- 4) 2021 Thinking Matters
University of Southern Maine
April. Virtual event.
- 5) 2021 Society for Perinatal and Pediatric Epidemiological Research
June. Virtual event.
- 6) 2020 Ryan White Annual Meeting
August. Virtual event.
- 7) 2020 Thinking Matters
University of Southern Maine
April. Virtual event.
- 8) 2020 Society for Perinatal and Pediatric Epidemiological Research
December. Virtual event.
- 9) 2020 Society for Epidemiological Research
December. Virtual event.
- 10) 2020 Maine Public Health Association annual meeting
Fall. Virtual event.
- 11) 2020 Maine Opioid Response Summit
July. Virtual event.
- 12) 2020 Society of Maternal-Fetal-Medicine Annual Meeting
February, Grapevine, TX
- 13) 2020 Perinatal Services BC Healthy Mothers, Health Babies Conference
February, Vancouver, Canada
- 14) 2019 Northeast Epidemiology Conference
November, Portland, ME.

- 15) 2019 American Association for Multidisciplinary Education and Research in Substance Use and Addiction
November, Boston, MA
- 16) 2019 American Public Health Association
November, Philadelphia, PA
- 17) 2019 Thinking Matters
University of Southern Maine
April, Portland Maine
- 18) 2019 International Society for Environmental Epidemiology
August, The Netherlands
- 19) 2019 Society for Perinatal and Pediatric Epidemiological Research
June, Minneapolis, MN
- 20) 2019 Society for Epidemiological Research
June, Minneapolis, MN
- 21) 2018 Rural Health Round Table
November, Sunday River, ME
- 22) 2018 Maine Public Health Association
October, Augusta, ME
- 23) 2018 American Society for Colposcopy and Cervical Pathology
April, Las Vegas, NV
- 24) 2018 Society for Pediatric and Perinatal Epidemiologic Research
June, Baltimore, MD
- 25) 2018 Society for Epidemiologic Research
June, Baltimore, MD
- 26) 2017 American Public Health Association
November, Atlanta, GA
- 27) 2017 Society for Family Planning, North American Forum
October, Atlanta, GA
- 28) 2017 Academy Health
June, New Orleans, LA
- 29) 2016 HRSA Innovation Conference.
June, Washington DC.
- 30) 2016 Society for Perinatal and Pediatric Epidemiologic Research

- June, Miami, FL
- 31) 2016 Society for Epidemiologic Research/Congress
June, Miami, FL
 - 32) 2016 National Conference on Health Statistics
August, Bethesda, MD
 - 33) 2015 Society for Perinatal and Reproductive Epidemiologic Research
June, Denver, CO
 - 34) 2015 Pediatric Academic Societies
April, San Diego, CA
 - 35) 2014 Society for Epidemiologic Research Annual Meeting
June, Seattle, WA
 - 36) 2014 *Eunice Kennedy Shriver* National Institute of Child Health and Human Development
Postdoctoral Retreat
April, Bethesda, MD
 - 37) 2013 International Society for Pharmacoepidemiology
August, Montreal, Canada
 - 38) 2013 Society for Pediatric and Perinatal Epidemiologic Research
June, Boston, MA
 - 39) 2013 The Endocrine Society
June, Boston, MA
 - 40) 2012 Society for Pediatric and Perinatal Epidemiologic Research
June, Minneapolis, MN
 - 41) 2011 National Graduate Student Research Conference
October, Bethesda, MD
 - 42) 2007 International Society for Sexually Transmitted Disease Research
July, Seattle, WA
 - 43) 2007 Conference on Retroviruses and Opportunistic Infections
February, Los Angeles, CA
 - 44) 2006 Infectious Disease Society of America
October, Toronto, Canada
 - 45) 2006 International AIDS Conference
August, Toronto, Canada

46) 2006 National Sexually Transmitted Diseases Prevention Conference
May, Jacksonville, FL