

Ann Von Holle

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Population Health Scientist

A doctoral-level epidemiologist with a strong quantitative background and extensive research expertise in precision medicine, breast cancer epidemiology, and biomarkers. Demonstrates strong quantitative skills in time-to-event, longitudinal, and probabilistic modeling using both observational and real-world data. Proven record of accomplishment in peer-reviewed journals with a focus on epidemiology. Collaborated in healthcare payer space to develop evidence-based strategies that support precision medicine through a focus on molecular diagnostic tests.

Core competencies

cancer epidemiology, real world evidence (RWE), genetic epidemiology, scientific writing, statistical data analysis, observational studies, publication development, data visualization, conference presentations, mentoring

Research Experience

Optum Genomics, Remote

April 2023 - July 2024

Associate Research Director

Scope: Conducted observational research studies and decision analytic modeling to evaluate health and economic outcomes, focusing on diagnostic test validity and cancer detection, while also contributing to white papers and literature reviews on molecular diagnostics.

- Planned, designed, and executed observational studies to evaluate health and economic outcomes, leveraging robust methodologies to ensure accuracy and relevance.
- Synthesized results from decision analytic modeling, incorporating clinical validity measures, simulations, and claims data to support evidence-based conclusions.
- Contributed to research focused on cancer early detection, evaluating the analytical and clinical validity of molecular diagnostic tests through detailed analysis of medical claims data.
- Collaborated on the development of white papers addressing the analytical and clinical validity of lab-developed tests, providing expert insights and recommendations.
- Conducted comprehensive literature reviews on the quality of molecular diagnostic tests, integrating findings to inform research and practice.

National Institute of Environmental Health Sciences, Research Triangle Park, NC **July 2018 - March 2023**

Postdoctoral Fellow

Biostatistics and Computational Biology Branch, Advisor: Clarice R. Weinberg

Scope: Conducted observational research studies by developing research concepts, specifying statistical analysis plans, doing formal analyses, and authoring manuscripts related to breast cancer outcomes and iron biomarkers. Used advanced analytical techniques and high-performance computing, communicated findings at national conferences, and mentored students.

- Developed research concepts and hypotheses, planned seven lead-author manuscripts, and selected appropriate data and analytic methods as part of a collaborative process.
- Drafted and reviewed statistical analysis plans for observational studies, including those focused on breast cancer outcomes
- Applied advanced analytic approaches such as time-to-event analysis, longitudinal mixed-effects models, machine learning, meta-analyses, and data visualization in research on breast cancer outcomes and biomarker exposures.
- Authored initial drafts and reviewed subsequent drafts of seven epidemiological research manuscripts for publication.
- Created presentations and communicated research findings internally and at national conferences.
- Performed large-scale data analyses using a high-performance computing environment
- Mentored graduate and undergraduate students in developing analysis plans, conducting research, and presenting results as part of NIH training programs.
- Developed, wrote, and submitted a K99 grant application titled, "Lifestyle change over time and postmenopausal risk of breast cancer" (scored in the second round but not funded).

University of North Carolina, Chapel Hill, Chapel Hill, NC
Graduate Researcher

August 2013 - June 2018

Department of Epidemiology, Advisor: Kari E. North

Scope: As a doctoral candidate in a genetic epidemiology training program, explored infant anthropometric growth and its effects on adolescent lipid levels in relation to sociodemographic factors and genetic risk variants through advanced statistical modeling. Authored three lead manuscripts, secured a predoctoral grant from the American Heart Association, and used reproducible research techniques with R, Markdown, LaTeX, and Git.

- Dissertation topics explored infant anthropometric growth as it relates to sociodemographic risk factors, its impact on lipid levels in adolescence, and its role as an effect modifier in the association between genetic risk variants and lipid levels.
- Developed scientific hypotheses, created analysis plans, analyzed observational cohort data, and wrote manuscripts resulting in three lead author manuscripts.
- Employed advanced statistical techniques such as structural equation models (SEM), factor analysis, and non-linear random effects models to estimate patterns of infant growth and their association with adolescent lipid levels
- Developed and submitted a pre-doctoral American Heart Association grant application titled "Infant Growth Trajectories and Dyslipidemia in Adolescence," which was funded in 2016 (Award Number 16PRE29200008).
- Implemented reproducible research techniques by documenting writing and statistical analyses in R, Markdown, and LaTeX, and maintained version control with Git.

Biostatistician, Chapel Hill, NC

September 2005 - September 2013

Department of Psychiatry, Center of Excellence for Eating Disorders (CEED)

Scope: Worked across various academic levels and collaborated with researchers to plan, conduct, and interpret statistical analyses for peer-reviewed manuscripts

- Collaborated in the planning and interpretation of statistical analyses for research by faculty, post-doctoral fellows, and students.
- Analyzed observational, clinical trial, and medical record data using regression and structural equation models in SAS and R, contributing to over forty peer-reviewed publications.
- Authored statistical methods sections, created data visualizations, and ensured data integrity for peer-reviewed publications.

Education

Doctor of Philosophy (Ph.D.), Epidemiology, University of North Carolina at Chapel Hill, Chapel Hill, NC

Thesis: Infant Growth Trajectories and Lipid Levels in Adolescence

Master of Arts (M.A.), Demography, University of Pennsylvania, Philadelphia, PA

Master of Science (M.S.), Biostatistics, University of North Carolina at Chapel Hill, Chapel Hill, NC

Master of Health Science (M.H.S.), Population Dynamics, Johns Hopkins University, Baltimore, MD

Bachelor of Arts (B.A.), Applied Mathematics, University of California, San Diego, San Diego, CA

Appendix

Publications

*Indicates a mentored student's work. †Indicates equal authorship

1. **Assessment of Iron Status**
Von Holle A
Current Opinion in Clinical Nutrition & Metabolic Care. (2024), DOI: 10.1097/MCO.0000000000001050
2. **BMI and Breast Cancer Risk around Age at Menopause**
Von Holle A, Adami HO, Baglietto L, et al. Cancer Epidemiology. 89 (2024):102545, DOI: 10.1016/j.canep.2024.102545
3. **Seasonal Patterns in Trace Elements Assessed in Toenails**
Wojcik, Kaitlyn M.*†, **Von Holle, Ann†**, O'Brien KM, White AJ, Karagas MR, Levine KE, Jackson BP, and Weinberg CR Environmental Advances. 15 (2024) :100496, DOI: 10.1016/j.envadv.2024.100496
4. **Toenail and Serum Levels as Biomarkers of Iron Status in Pre-and Postmenopausal Women: Correlations and Stability over Eight-Year Follow-Up**
Von Holle, Ann, O'Brien KM, Sandler DP, Janicek R, Karagas MR, White AJ, Niehoff NM, Levine KE, Jackson BP, and Weinberg CR Scientific Reports. 14 (2024) :1682, DOI: 10.1038/s41598-023-50506-5
5. **Associations between Serum Iron Biomarkers and Breast Cancer Tumor Size** **Von Holle, Ann**, Thompson, Rachel L.*, O'Brien KM, Sandler DP, and Weinberg CR Cancer Research Communications. (2023), DOI: 10.1158/2767-9764.CRC-23-0205
6. **Development and Validation of a Prediction Model for Iron Status in a Large U.S. Cohort of Women**
Von Holle, Ann, O'Brien KM, Janicek R, and Weinberg CR Scientific Reports. 13 (2023) :17309, DOI: 10.1038/s41598-023-42993-3
7. **Infant Growth Trajectories and Lipid Levels in Adolescence: Evidence From a Chilean Infancy Cohort** **Von Holle A**, North KE, Gahagan S, Blanco E, Burrows R, Lozoff B, Howard AG, Justice AE, Graff M, and Voruganti S American Journal of Epidemiology. (2022) :kwac057, DOI: 10.1093/aje/kwac057
8. **Does This Adult Patient Have Hypertension?: The Rational Clinical Examination Systematic Review.**
Viera AJ, Yano Y, Lin FC, Simel DL, Yun J, Dave G, Von Holle A, Viera LA, Shimbo D, Hardy ST, Donahue KE, Hinderliter A, Voisin CE, and Jonas DE JAMA. 326 (2021) :339–47, DOI: 10.1001/jama.2021.4533
9. **Evidence for familial clustering in breast cancer age of onset.**
Von Holle A, O'Brien KM, Sandler DP, and Weinberg CR International Journal of Epidemiology. 50 (2021) :97–104, DOI: 10.1093/ije/dyaa201
10. **Association Between Serum Iron Biomarkers and Breast Cancer.**
Von Holle A, O'Brien KM, Sandler DP, Janicek R, and Weinberg CR Cancer Epidemiology, Biomarkers & Prevention. 30 (2021) :422–5, DOI: 10.1158/1055-9965.EPI-20-0715
11. **Sociodemographic predictors of early postnatal growth: evidence from a Chilean infancy cohort.**
Von Holle A, North KE, Gahagan S, Burrows RA, Blanco E, Lozoff B, Howard AG, Justice A, Graff M, and Voruganti VS BMJ Open. 10 (2020) :e033695, DOI: 10.1136/bmjopen-2019-033695
12. **The perils of standardizing infant weight to assess weight change differences across exposure groups.**
Von Holle A, North KE, Tao R, and Gahagan S Annals of Epidemiology. 28 (2018) :515–20, DOI: 10.1016/j.annepidem.2018.04.006
13. **Psychosocial factors associated with bulimia nervosa during pregnancy: An internal validation study.**
Watson HJ, **Von Holle A**, Knoph C, Hamer RM, Torgersen L, Reichborn-Kjennerud T, Stoltenberg C, Magnus P, and Bulik CM The International Journal of Eating Disorders. 48 (2015) :654–62, DOI: 10.1002/eat.22361
14. **The association between internet and television access and disordered eating in a Chinese sample.**
Peat CM, **Von Holle A**, Watson H, Huang L, Thornton LM, Zhang B, Du S, Kleiman SC, and Bulik CM The International Journal of Eating Disorders. 48 (2015) :663–9, DOI: 10.1002/eat.22359
15. **Weight-for-length trajectories in the first year of life in children of mothers with eating disorders in a large Norwegian Cohort.**
Perrin EM, **Von Holle A**, Zerwas S, Skinner AC, Reba-Harrelson L, Hamer RM, Stoltenberg C, Torgersen L, Reichborn-Kjennerud T, and Bulik CM The International Journal of Eating Disorders. 48 (2015) :406–14, DOI: 10.1002/eat.22290

16. **Developmental trajectories of postpartum weight 3 years after birth: Norwegian Mother And Child Cohort study.**
Abebe DS, Von Soest T, **Von Holle A**, Zerwas SC, Torgersen L, and Bulik CM
Maternal and Child Health Journal. 19 (2015) :917–25, DOI: 10.1007/s10995-014-1593-x
17. **Eating Disorders, Pregnancy, and the Postpartum Period: Findings from the Norwegian Mother and Child Cohort Study (MoBa)**
Watson HJ, Torgersen L, Zerwas S, Reichborn-Kjennerud T, Knoph C, Stoltenberg C, Siega-Riz AM, **VonHolle A**, Hamer RM, Meltzer H, Ferguson EH, Haugen M, Magnus P, Kuhns R, and Bulik CM
Norsk Epidemiologi = Norwegian Journal of Epidemiology. 24 (2014) :51–62, DOI: 10.5324/nje.v24i1-2.1758
18. **Gestational and postpartum weight change patterns in mothers with eating disorders.**
Zerwas SC, **Von Holle A**, Perrin EM, Cockrell Skinner A, Reba-Harrelson L, Hamer RM, Stoltenberg C, Torgersen L, Reichborn-Kjennerud T, and Bulik CM
European Eating Disorders Review. 22 (2014) :397–404, DOI: 10.1002/erv.2314
19. **Childhood anxiety trajectories and adolescent disordered eating: findings from the NICHD Study of Early Child Care and Youth Development.**
Zerwas S, **Von Holle A**, Watson H, Gottfredson N, and Bulik CM
The International Journal of Eating Disorders. 47 (2014) :784–92, DOI: 10.1002/eat.22318
20. **Binge eating and menstrual dysfunction.**
Algars M, Huang L, **Von Holle AF**, Peat CM, Thornton LM, Lichtenstein P, and Bulik CM
Journal of Psychosomatic Research. 76 (2014) :19–22, DOI: 10.1016/j.jpsychores.2013.11.011
21. **NURTURE: Development and pilot testing of a novel parenting intervention for mothers with histories of an eating disorder.**
Runfolo CD, Zucker NL, **Von Holle A**, Mazzeo S, Hodges EA, Perrin EM, Bentley ME, Ulman TF, Hoffman ER, Forsberg S, Algars M, Zerwas S, Pisetsky EM, Taico C, Kuhns RA, Hamer RM, and Bulik CM
The International Journal of Eating Disorders. 47 (2014) :1–12, DOI: 10.1002/eat.22178
22. **Binge eating, body mass index, and gastrointestinal symptoms.**
Peat CM, Huang L, Thornton LM, **Von Holle AF**, Trace SE, Lichtenstein P, Pedersen NL, Overby DW, and Bulik CM
Journal of Psychosomatic Research. 75 (2013) :456–61, DOI: 10.1016/j.jpsychores.2013.08.009
23. **Remission, continuation and incidence of eating disorders during early pregnancy: a validation study in a population-based birth cohort.**
Watson HJ, **Von Holle A**, Hamer RM, Knoph Berg C, Torgersen L, Magnus P, Stoltenberg C, Sullivan P, Reichborn-Kjennerud T, and Bulik CM
Psychological medicine. 43 (2013) :1723–34, DOI: 10.1017/S0033291712002516
24. **Factors associated with recovery from anorexia nervosa.**
Zerwas S, Lund BC, **Von Holle A**, Thornton LM, Berrettini WH, Brandt H, Crawford S, Fichter MM, Halmi KA, Johnson C, Kaplan AS, La Via M, Mitchell J, Rotondo A, Strober M, Woodside DB, Kaye WH, and Bulik CM
Journal of Psychiatric Research. 47 (2013) :972–9, DOI: 10.1016/j.jpsychires.2013.02.011
25. **A double-blind, randomized pilot trial of chromium picolinate for binge eating disorder: results of the Binge Eating and Chromium (BEACH) study.**
Brownley KA, **Von Holle A**, Hamer RM, La Via M, and Bulik CM
Journal of Psychosomatic Research. 75 (2013) :36–42, DOI: 10.1016/j.jpsychores.2013.03.092
26. **Course and predictors of maternal eating disorders in the postpartum period.**
Knoph C, **Von Holle A**, Zerwas S, Torgersen L, Tambs K, Stoltenberg C, Bulik CM, and Reichborn-Kjennerud T
The International Journal of Eating Disorders. 46 (2013) :355–68, DOI: 10.1002/eat.22088
27. **Body dissatisfaction in women across the lifespan: results of the UNC- SELF and Gender and Body Image (GABI) studies.** Runfolo CD, **Von Holle A**, Trace SE, Brownley KA, Hofmeier SM, Gagne DA, and Bulik CM
European Eating Disorders Review. 21 (2013) :52–9, DOI: 10.1002/erv.2201
28. **Characteristics of women with body size satisfaction at midlife: results of the Gender and Body Image (GABI) Study.**
Runfolo CD, **Von Holle A**, Peat CM, Gagne DA, Brownley KA, Hofmeier SM, and Bulik CM
Journal of Women & Aging. 25 (2013) :287–304, DOI: 10.1080/08952841.2013.816215
29. **Eating disorder symptoms and weight and shape concerns in a large web- based convenience sample of women ages 50 and above: results of the Gender and Body Image (GABI) study.**
Gagne DA, **Von Holle A**, Brownley KA, Runfolo CD, Hofmeier S, Branch KE, and Bulik CM
The International Journal of Eating Disorders. 45 (2012) :832–44, DOI: 10.1002/eat.22030
30. **Sleep disturbances and binge eating disorder symptoms during and after pregnancy.**

- Ulman TF, **Von Holle A**, Torgersen L, Stoltenberg C, Reichborn-Kjennerud T, and Bulik CM Sleep. 35 (2012) :1403–11, DOI: 10.5665/sleep.2124
31. **Maternal eating disorders and infant temperament: findings from the Norwegian mother and child cohort study.** Zerwas S, **Von Holle A**, Torgersen L, Reichborn-Kjennerud T, Stoltenberg C, and Bulik CM The International Journal of Eating Disorders. 45 (2012) :546–55, DOI: 10.1002/eat.20983
 32. **Disordered eating and suicidal intent: the role of thin ideal internalisation, shame and family criticism.** Unikel C, **Von Holle A**, Bulik CM, and Ocampo R European Eating Disorders Review. 20 (2012) :39–48, DOI: 10.1002/erv.1070
 33. **Gestational weight gain of women with eating disorders in the Norwegian pregnancy cohort.** Siega-Riz AM, **Von Holle A**, Haugen M, Meltzer HM, Hamer R, Torgersen L, Berg CK, Reichborn-Kjennerud T, and Bulik CM The International Journal of Eating Disorders. 44 (2011) :428–34, DOI: 10.1002/eat.20835
 34. **Posttraumatic stress disorder in anorexia nervosa.** Reyes-Rodriguez ML, **VonHolle A**, Ulman TF, Thornton LM, Klump KL, Brandt H, Crawford S, Fichter MM, Halmi KA, Huber T, Johnson C, Jones I, Kaplan AS, Mitchell JE, Strober M, Treasure J, Woodside DB, Berrettini WH, Kaye WH, and Bulik CM Psychosomatic Medicine. 73 (2011) :491–7, DOI: 10.1097/PSY.0b013e31822232bb
 35. **Eating disorders and trauma history in women with perinatal depression.** Meltzer-Brody S, Zerwas S, Leserman J, **Von Holle A**, Regis T, and Bulik C Journal of Women's Health. 20 (2011) :863–70, DOI: 10.1089/jwh.2010.2360
 36. **Dietary supplement use immediately before and during pregnancy in Norwegian women with eating disorders.** Dellava JE, **Von Holle A**, Torgersen L, Reichborn-Kjennerud T, Haugen M, Meltzer HM, and Bulik CM The International Journal of Eating Disorders. 44 (2011) :325–32, DOI: 10.1002/eat.20831
 37. **The significance of repetitive hair-pulling behaviors in eating disorders.** Zucker N, **Von Holle A**, Thornton LM, Strober M, Plotnicov K, Klump KL, Brandt H, Crawford S, Crow S, Fichter MM, Halmi KA, Johnson C, Kaplan AS, Keel P, LaVia M, Mitchell JE, Rotondo A, Woodside DB, Berrettini WH, Kaye WH, and Bulik CM Journal of Clinical Psychology. 67 (2011) :391–403, DOI: 10.1002/jclp.20770
 38. **A description of disordered eating behaviors in Latino males.** Reyes-Rodriguez ML, Sala M, **Von Holle A**, Unikel C, Bulik CM, Camara-Fuentes L, and Suarez-Torres A Journal of American College Health. 59 (2011) :266–72, DOI: 10.1080/07448481.2010.502205
 39. **Disordered eating and substance use among a female sample of Mexican adolescents.** Unikel C, Root T, **Von Holle A**, Ocampo R, and Bulik CM Substance Use & Misuse. 46 (2011) :523–34, DOI: 10.3109/10826081003725260
 40. **Unplanned pregnancy in women with anorexia nervosa.** Bulik CM, Hoffman ER, **Von Holle A**, Torgersen L, Stoltenberg C, and Reichborn-Kjennerud T Obstetrics and Gynecology. 116 (2010) :1136–40, DOI: 10.1097/AOG.0b013e3181f7efdc
 41. **Breastfeeding practice in mothers with eating disorders.** Torgersen L, Ystrom E, Haugen M, Meltzer HM, **Von Holle A**, Berg CK, Reichborn-Kjennerud T, and Bulik CM Maternal & Child Nutrition. 6 (2010) :243–52, DOI: 10.1111/j.1740-8709.2009.00208.x
 42. **Eating disorder symptomatology: prevalence among Latino college freshmen students.** Reyes-Rodriguez ML, Franko DL, Matos-Lamourt A, Bulik CM, **Von Holle A**, Camara-Fuentes LR, Rodriguez-Anglero D, CervantesLopez S, and Suarez-Torres A Journal of Clinical Psychology. 66 (2010) :666–79, DOI: 10.1002/jclp.20684
 43. **Ethnic and racial differences in body size perception and satisfaction.** Kronenfeld LW, Reba-Harrelson L, **Von Holle A**, Reyes ML, and Bulik CM Body Image. 7 (2010) :131–6, DOI: 10.1016/j.bodyim.2009.11.002
 44. **Factors Associated with Binge Eating Disorder in Pregnancy.** Knoph Berg C, Torgersen L, **Von Holle A**, Hamer RM, Bulik CM, and Reichborn-Kjennerud T The International Journal of Eating Disorders. 44 (2011) :124–33, DOI: 10.1002/eat.20797
 45. **Patterns of maternal feeding and child eating associated with eating disorders in the Norwegian Mother and Child Cohort Study (MoBa).** Reba-Harrelson L, **Von Holle A**, Hamer RM, Torgersen L, Reichborn-Kjennerud T, and Bulik CM Eating Behaviors. 11 (2010) :54–61, DOI: 10.1016/j.eatbeh.2009.09.004
 46. **Patterns and prevalence of disordered eating and weight control behaviors in women ages 25-45.** Reba-Harrelson L, **Von Holle A**, Hamer RM, Swann R, Reyes ML, and Bulik CM Eating and Weight Disorders. 14 (2009) :e190–198, DOI: 10.1007/BF03325116

47. **Attitudes toward weight gain during pregnancy: results from the Norwegian mother and child cohort study (MoBa).** Swann RA, **Von Holle A**, Torgersen L, Gendall K, Reichborn-Kjennerud T, and Bulik CM *The International Journal of Eating Disorders*. 42 (2009) :394–401, DOI: 10.1002/eat.20632
48. **International Journal of Eating Disorders: Statistical Guidelines.** Bulik CM, Hamer RM, Crosby R, Root TL, **Von Holle A**, and Thornton L
The International Journal of Eating Disorders. 42 (2009) :193–4, DOI: 10.1002/eat.20677
49. **Birth outcomes in women with eating disorders in the Norwegian Mother and Child cohort study (MoBa).** Bulik CM, **Von Holle A**, Siega-Riz AM, Torgersen L, Lie KK, Hamer RM, Berg CK, Sullivan P, and Reichborn-Kjennerud T *The International Journal of Eating Disorders*. 42 (2009) :9–18, DOI: 10.1002/eat.20578
50. **Maternal Eating Disorders Influence Sex Ratio at Birth**
Bulik CM, Von Holle A, Gendall K, Kveim Lie K, Hoffman E, Mo X, Torgersen L, and Reichborn-Kjennerud T *Acta obstetrica et gynecologica Scandinavica*. 87 (2008) :979–81, DOI: 10.1080/00016340802334385
51. **Nausea and vomiting of pregnancy in women with bulimia nervosa and eating disorders not otherwise specified.** Torgersen L, **Von Holle A**, Reichborn-Kjennerud T, Berg CK, Hamer R, Sullivan P, and Bulik CM
The International Journal of Eating Disorders. 41 (2008) :722–7, DOI: 10.1002/eat.20564
52. **Psychosocial factors associated with broadly defined bulimia nervosa during early pregnancy: findings from the Norwegian Mother and Child Cohort Study.**
Knoph Berg C, Bulik CM, **Von Holle A**, Torgersen L, Hamer R, Sullivan P, and Reichborn-Kjennerud T *The Australian and New Zealand Journal of Psychiatry*. 42 (2008) :396–404, DOI: 10.1080/00048670801961149
53. **Attitudes towards anorexia nervosa: the impact of framing on blame and stigma.**
Crisafulli MA, **Von Holle A**, and Bulik CM
The International Journal of Eating Disorders. 41 (2008) :333–9, DOI: 10.1002/eat.20507
54. **Nutrient and food group intakes of women with and without bulimia nervosa and binge eating disorder during pregnancy.**
Siega-Riz AM, Haugen M, Meltzer HM, **Von Holle A**, Hamer R, Torgersen L, Knopf-Berg C, Reichborn-Kjennerud T, and Bulik CM *The American Journal of Clinical Nutrition*. 87 (2008) :1346–55, DOI: 10.1093/ajcn/87.5.1346
55. **Temporal patterns of recovery across eating disorder subtypes.**
VonHolle A, Pinheiro AP, Thornton LM, Klump KL, Berrettini WH, Brandt H, Crawford S, Crow S, Fichter MM, Halmi KA, Johnson C, Kaplan AS, Keel P, La Via M, Mitchell J, Strober M, Woodside DB, Kaye WH, and Bulik CM *The Australian and New Zealand Journal of Psychiatry*. 42 (2008) :108–17, DOI: 10.1080/00048670701787610
56. **Features associated with diet pill use in individuals with eating disorders.**
Reba-Harrelson L, Von Holle A, Thornton LM, Klump KL, Berrettini WH, Brandt H, Crawford S, Crow S, Fichter MM, Goldman D, HalmiKA, JohnsonC, KaplanAS, KeelP, LaViaM, MitchellJ, PlotnicovK, RotondoA, StroberM, TreasureJ, Woodsid eDB, KayeWH, and Bulik CM
Eating Behaviors. 9 (2008) :73–81, DOI: 10.1016/j.eatbeh.2007.04.001
57. **Maternal eating disorders influence sex ratio at birth.**
Bulik CM, Von Holle A, Gendall K, Lie KK, Hoffman E, Mo X, Torgersen L, and Reichborn-Kjennerud T *Acta obstetrica et gynecologica Scandinavica*. 87 (2008) :979–81, DOI: 10.1080/00016340802334385
58. **Psychosocial factors associated with broadly defined bulimia nervosa during early pregnancy: findings from the Norwegian mother and child cohort study**
Berg CK, Bulik CM, Von Holle A, Torgersen L, Hamer R, Sullivan P, and Reichborn-Kjennerud T
The Australian and New Zealand journal of psychiatry. 42 (2008) :396–404, DOI: 10.1080/00048670801961149
59. **Patterns of remission, continuation and incidence of broadly defined eating disorders during early pregnancy in the Norwegian Mother and Child Cohort Study (MoBa).**
Bulik CM, Von Holle A, Hamer R, Knoph Berg C, Torgersen L, Magnus P, Stoltenberg C, Siega-Riz AM, Sullivan P, and ReichbornKjennerud T
Psychological Medicine. 37 (2007) :1109–18, DOI: 10.1017/S0033291707000724
60. **Patterns of menstrual disturbance in eating disorders.**
Poyastro Pinheiro A, Thornton LM, Plotonicov KH, Tozzi F, Klump KL, Berrettini WH, Brandt H, Crawford S, Crow S, Fichter MM, Goldman D, Halmi KA, Johnson C, Kaplan AS, Keel P, LaVia M, Mitchell J, Rotondo A, Strober M, Treasure J, Woodside DB, Von Holle A, Hamer R, Kaye WH, and Bulik CM
The International Journal of Eating Disorders. 40 (2007) :424–34, DOI: 10.1002/eat.20388

Publications in review

† Indicates equal authorship

Association between two common SNPs, rs6564851 and rs6420424, and lutein and zeaxanthin levels in a cohort of U.S. women Von Holle A†, Shi M, O'Brien KM, Sandler DP, Weinberg CR, Park YM†
Frontiers in Nutrition, 2024

Publications in preparation

*Indicates mentored student's work

Male-origin micro chimerism and breast and ovarian cancer
Von Holle A, Gerrish K, O'Brien KM, Sandler DP, Weinberg CR
Target Journal: American Journal of Epidemiology, 2024

Association between Body Iron Status and Biological Aging

Von Holle A, Ramamurthy S*, Diaz Santana M, Kresovich J, Taylor J, Xu Zongli, O'Brien KM, Sandler DP, Weinberg CR
Target Journal: Aging, 2024

Grants and awards

Grants

Individual Pre-Doctoral Fellowship Award (Award: 16PRE29200008)
American Heart Association (Total: \$51,900) 2016 - 2018

Awards

Intramural Paper of the Month
Environmental Factor, NIEHS Newsletter May 2021
Title: Evidence for familial clustering in breast cancer age of onset.

Oral presentations

*Represents trainee's work for which Ann Von Holle was a mentor.

Association between Body Iron Status and Biological Aging, Durham, NC 2023
Ramamurthy S*, Von Holle A, Diáz-Santana, Kresovich J, Taylor J, Xu Z, O'Brien KM, Sandler DP, Weinberg CR
National Institute of Environmental Health Sciences Scholars Connect Spring Symposium.

Infant Growth Trajectories and Lipid Levels in Adolescence: Evidence from a Chilean Infancy Cohort, New Orleans, LA
Von Holle A, North KE, Gahagan S, Blanco, E, ET AL. American Heart Association EPI/Lifestyle Sessions 2018

Poster presentations

*Represents trainee's work for which Ann Von Holle was a mentor.

Associations between Serum Iron Biomarkers and Breast Cancer Tumor Size, Orlando, FL 2023
VON HOLLE A, THOMPSON RL*, O'BRIEN KM, SANDLER DP, WEINBERG CR American Association of Cancer Research Annual Meeting

Association between Body Iron Status and the Aging Process, Virtual 2022
RAMAMURTHY S*, **VON HOLLE A**, DIÁZ-SANTANA, KRESOVICH J, TAYLOR J, XU Z, O'BRIEN KM, SANDLER DP,
WEINBERG CR
National Institute of Environmental Health Sciences Scholars Connect Poster Sessions

Seasonal Patterns in Toenail Metals, Virtual 2022
WOJCIK KM*, **VON HOLLE A**, O'BRIEN KM, SANDLER DP, WHITE AJ, WEINBERG CR

Characterizing the association between BMI and breast cancer risk by menopause status, Chicago, IL 2022
 And age-time **VON HOLLE A**, O'BRIEN KM, SANDLER DP, SCHOEMAKER M, SWERDLOW A, NICHOLS HB, JONES ME, JANICEK R, THE PREMENOPAUSAL BREAST CANCER COLLABORATIVE GROUP, WEINBERG CR

Society for Epidemiologic Research

Associations between Serum Iron Biomarkers and Breast Cancer Tumor Size, Virtual 2021
 THOMPSON RL, **VON HOLLE A**, O'BRIEN KM, SANDLER DP, WEINBERG CR
 National Institute of Environmental Health Sciences Summer Internship Program Poster Sessions

Predictive models for iron status in postmenopausal women, Virtual 2021
VON HOLLE A, O'BRIEN KM, SANDLER DP, JANICEK R, WEINBERG CR
 Society for Epidemiologic Research

Toenail and serum measures as biomarkers of iron levels, Virtual 2021
VON HOLLE A, O'BRIEN KM, SANDLER DP, JANICEK R, KARAGAS MR, JACKSON BP, WHITE, AJ, WEINBERG CR
 Society for Epidemiologic Research

Association Between Serum Iron Biomarkers and Breast Cancer., Virtual 2020
VON HOLLE A, O'BRIEN KM, SANDLER DP, JANICEK R, WEINBERG CR
 Society for Epidemiologic Research

Familial aggregation of age of onset for breast cancer risk, Minneapolis, MN 2019
VON HOLLE A, O'BRIEN K, SANDLER DP, WEINBERG CR
 Society for Epidemiologic Research

Sociodemographic predictors of early postnatal growth, Baltimore, MD 2018
VON HOLLE A, NORTH KE, GAHAGAN S, BLANCO E, ET AL.
 Society for Epidemiologic Research

Infant Growth as An Effect Modifier Of Genetic-Lipid Associations: Evidence From A Chilean, New Orleans, LA Infancy Cohort 2018
VON HOLLE A, NORTH KE, GAHAGAN S, BLANCO E, ET AL.
 American Heart Association EPI/Lifestyle

Confirmatory factor analysis (CFA) of multivariate lipid distributions across time and race-ethnic groups: United States, 2003-2012, Portland, OR 2017
VON HOLLE A, NORTH KE
 American Heart Association EPI/Lifestyle

Lipid-related Genetic Variants and Lipid Outcomes in a Cohort of Chilean Children, Portland, OR 2017
VON HOLLE A, JUSTICE, A, NORTH KE, ET AL.
 American Heart Association EPI/Lifestyle

The utility of standardized or crude weight measures in modeling of postnatal growth trajectories: Are there differences?, Miami, FL 2016
VON HOLLE A, NORTH KE, GAHAGAN S, TAO R
 Epidemiology Congress of the Americas

Childhood BMI Associated with Low HDL-C Levels in Adolescence in a Chilean Cohort, Baltimore, MD 2015
VON HOLLE A, NORTH KE, KANG E, BLANCO E, GAHAGAN S
 American Heart Association EPI/Lifestyle

Teaching and Mentoring Experience

National Institute of Environmental Health Sciences, Research Triangle Park, NC

- Mentor, 1 undergraduate student, NIEHS Scholars Connect Program 2022 - 2023
- Mentor, 2 graduate students, Summer Internship Program 2021, 2022
- Guest lecturer, "Introduction to Statistics and Experimental Design" January 2020
- Co-lead, "Mentoring of Junior Faculty and Fellows" session, Biostatistics and Computational Biology Branch retreat October 2019

University of North Carolina, Chapel Hill, Chapel Hill, NC

- Teaching Assistant, Advanced Epidemiologic Methods (<https://github.com/UNC-EPID-722/2016>) Spring 2016

Related Professional Experience

Academic and Professional Service

Society of Epidemiologic Research

- Annual meeting abstract reviewer 2021 - 2022
- Symposium co-chair: "Polygenic Risk Scores: challenges and opportunities for population health equity" December 2020

National Institute of Environmental Health Sciences, Research Triangle Park, NC

- Special volunteer: Publish manuscripts based on research completed during my post-doctoral fellowship. April 2024 - Present
- Trainee assembly steering committee member 2020 - 2022
- Summer intern program poster judge 2019 - 2021
- NIH Annual Graduate Student Research Symposium poster judge 2022
- Internal manuscript peer reviewer 2018 - 2022

Professional Development Training

National Institute of Environmental Health Sciences, Research Triangle Park, NC

- Becoming a resilient scientist, 5-week course September - November 2022
- Research Mentor Training, 4-week course May 2019, May 2021
- 'Writing from the Reader's Perspective' 1-day workshop November 2019
- 'Write Winning NIH Grant Proposals' 1-day workshop February 2019
- 'Scientists Teaching Science', 9-week pedagogy course Spring 2019

Journal Peer Review

BMJ Open | International Journal of Cancer | Cancer Epidemiology, Biomarkers & Prevention | BMC Public Health | Epidemiology

Professional Associations

Society of Epidemiological Research | American Association for Cancer Research