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Biostatistics and Computational Biology Branch
National Institute of Environmental Health Sciences
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CURRENT POSITION

National Institute of Environmental Health Sciences
Postdoctoral Fellow

Research Triangle Park, NC
2018-Present

EDUCATION

University of North Carolina, Chapel Hill

Chapel Hill, NC

Ph.D., Epidemiology

2018

Dissertation: Infant growth trajectories and lipid levels in adolescence

University of Pennsylvania

Philadelphia, PA

M.A., Demography

2005

University of North Carolina, Chapel Hill

Chapel Hill, NC

M.S., Biostatistics

2003

Johns Hopkins University

Baltimore, MD

M.H.S., Population Dynamics

1995

University of California, San Diego

San Diego, CA

B.A., Applied Mathematics

1993

RESEARCH EXPERIENCE

National Institute of Environmental Health Sciences

Research Triangle Park, NC

Postdoctoral Fellow; Advisor: Clarice R. Weinberg

2018-present

Research topics: Familial risk and biomarkers associated with breast cancer incidence

- Investigating the role of serum iron biomarkers in breast cancer incidence
- Applied survival analysis and data visualization to develop new method to estimate familial aggregation of breast cancer age of onset
- Developed analysis plans to synthesize *a priori* approach to projects

University of North Carolina, Chapel Hill

Chapel Hill, NC

Graduate researcher; Advisor: Kari E. North

2013-2018

Research topics: Infant anthropometric growth as 1) a factor associated with sociodemographic risk factors, 2) an exposure hypothesized to modify lipid levels in adolescence and 3) an effect modifier of the association between genetic risk variants and lipid levels.

- Estimated different patterns of infant growth and their association with lipid levels in adolescence with structural equation models, factor analysis, and non-linear random effects models.
- Documented all work with reproducible reports written in R, markdown and LaTeX; tracked script development with Git.

University of North Carolina, Center of Excellence for Eating Disorders (CEED) Chapel Hill, NC
Biostatistician 2005-2013

- Collaborated in the planning and interpretation of statistical analyses for research papers authored by faculty, post-doctoral fellows, graduate students and undergraduate students.
- Analyzed data with regression and structural equation models in SAS and R.
- Participated in manuscript writing process, which included the statistical methods sections, data visualizations and overall data integrity.

Maryland Health Care Commission Baltimore, MD
Research analyst 1999-2000

- Assisted in the planning and production of analyses regarding the status of the uninsured in Maryland with federal survey data.

Peace Corps Togo, Africa
Public health specialist 1997-1998

TEACHING EXPERIENCE

National Institute of Environmental Health Sciences Research Triangle Park, NC
Planned and co-lead the “Mentoring of Junior Faculties and Fellows” 1-hour session October 2019
for the Biostatistics and Computational Biology Branch retreat
Guest lecturer, “Introduction to Statistics and Experimental Design” January 2020

University of North Carolina, Chapel Hill Chapel Hill, NC
Teaching Assistant, Advanced Epidemiologic Methods Spring 2016
Guest lecturer, CEED postdoctoral seminar series: “Statistical Analysis Plans in Research” 2008-2012

FELLOWSHIPS AND AWARDS

Individual Pre-Doctoral Fellowship Award (Award: 16PRE29200008) 2016-2018
American Heart Association

Scholarship award Summer 2014 – Summer 2016
Summer Institute in Statistical Genetics, Seattle, WA

Ruth L. Kirschstein Pre-Doctoral Institutional National Research Service Award 2001-2005
National Institute of Child Health and Development, National Institutes of Health

RELATED PROFESSIONAL SERVICE

Society of Epidemiologic Research
Symposium co-chair (accepted November, 2019 for presentation in December, 2020)
“Polygenic Risk Scores: challenges and opportunities for population health equity”

National Institute of Environmental Health Sciences Research Triangle Park, NC
Trainee Assembly Steering Committee Member 2020
Summer Intern program poster judge July 2019

National Institutes of Health Special Emphasis Panel/Scientific Review Group Bethesda, MD
Guest member for ZMH1 ERB-D (02), HIV Prevention in MSM May 2011
Guest member for Interventions Committee for Adult Disorders (ITVA) October 2011

PROFESSIONAL DEVELOPMENT TRAINING

National Institute of Environmental Health Sciences

‘Writing from the Reader's Perspective’ 1-day workshop
‘Write Winning NIH Grant Proposals’ 1-day workshop
‘Scientists Teaching Science’, a 9-week pedagogy course
Research Mentor Training

Research Triangle Park, NC

November 2018

February 2019

Spring 2019

May 2019

PROFESSIONAL ASSOCIATIONS

Society of Epidemiologic Research

2013-2020

American Heart Association

2015-2020

ORAL PRESENTATIONS

- **Von Holle A**, North KE, Gahagan S, Blanco, E, et al. Infant Growth Trajectories and Lipid Levels in Adolescence: Evidence from a Chilean Infancy Cohort. Oral presentation at American Heart Association EPI/Lifestyle; 2018; New Orleans, Louisiana.
- **Von Holle A**, Thornton L, Kaye W, Bulik C. Conditional Probability and Rate of Remission of Eating Disorders. Oral presentation at: International Conference of Eating Disorders; 2007; Baltimore, Maryland.
- **Von Holle A**. Associations between Partner-Based Childcare and Fertility of Married Working Mothers. Refereed roundtable presentation at: Annual meeting of the American Sociological Association; 2006; Montreal, Canada.
- **Von Holle A**, Suchindran C. Data depth and infant mortality differentials. Oral presentation at: Eastern North American Region of the International Biometric Society (ENAR); 2003; Tampa, Florida.

POSTER PRESENTATIONS

- **Von Holle A**, O'Brien K, Sandler DP, Weinberg CR. Familial aggregation of age of onset for breast cancer risk. Poster presented at the Society of Epidemiological Research annual meeting; 2019; Minneapolis, MD.
- **Von Holle A**, North KE, Gahagan S, Blanco E, et al. Sociodemographic predictors of early postnatal growth. Poster presented at the Society of Epidemiological Research annual meeting; 2018; Baltimore, MD.
- **Von Holle A**, North KE, Gahagan S, Blanco E, et al. Infant Growth As An Effect Modifier Of Genetic-Lipid Associations: Evidence From A Chilean Infancy Cohort. Poster presented at the American Heart Association EPI/Lifestyle annual meeting; 2018; New Orleans, Louisiana.
- **Von Holle A**, North KE. Confirmatory factor analysis (CFA) of multivariate lipid distributions across time and race-ethnic groups: United States, 2003-2012. Poster presented at the American Heart Association EPI/Lifestyle annual meeting; 2017; Portland, Oregon.
- **Von Holle A**, Justice, A, North KE, et al. Lipid-related Genetic Variants and Lipid Outcomes in a Cohort of Chilean Children. Poster presented at the American Heart Association EPI/Lifestyle annual meeting; 2017; Portland, Oregon.
- **Von Holle A**, North KE, Gahagan S, Tao R. The utility of standardized or crude weight measures in modeling of postnatal growth trajectories: Are there differences? Poster presented at the 2016 Epidemiology Congress of the Americas, Miami, Florida.

- **Von Holle A**, North KE, Kang E, Blanco E, Gahagan S. Childhood BMI Associated with Low HDL-C Levels in Adolescence in a Chilean Cohort. Poster presented at the American Heart Association EPI/Lifestyle annual meeting; 2015; Baltimore, Maryland.
- **Von Holle A**. U.S. Women's Labor Force Participation, Children and Change: 1980-2000. Poster presented at the Population Association of America annual meeting; 2005; Philadelphia, Pennsylvania.
- **Von Holle A**, Suchindran C. A Non-Parametric Application for Exploratory Multivariate Data Analysis Using Infant Mortality Rates. Poster presented at the Population Association of America annual meeting; 2004; Boston, Massachusetts.

PUBLICATIONS

1. **Von Holle A**, O'Brien KM, Sandler DP, Weinberg CR. Familial clustering in breast cancer age of onset. (in review)
2. **Von Holle A**, North KE, et al. Sociodemographic predictors of early postnatal growth. (in press, *BMJ Open*)
3. **Von Holle A**, North KE., et al. The perils of standardizing infant weight to assess weight change differences across exposure groups. *Annals of Epidemiology*. 2018. Aug; 28(8):515-520.
4. Watson HJ, **Von Holle A**, Knoph C, Hamer RM, Torgersen L, Reichborn-Kjennerud T, et al. Psychosocial factors associated with bulimia nervosa during pregnancy: An internal validation study: Psychosocial Factors with BN in Pregnancy. *International Journal of Eating Disorders*. 2015 Sep;48(6):654–62.
5. Perrin EM, **Von Holle A**, Zerwas S, Skinner AC, Reba-Harrelson L, Hamer RM, et al. Weight-for-length trajectories in the first year of life in children of mothers with eating disorders in a large Norwegian cohort: Weight in Children of Mothers with Eating Disorders. *International Journal of Eating Disorders*. 2015 May;48(4):406–14.
6. Abebe DS, Von Soest T, **Von Holle A**, Zerwas SC, Torgersen L, Bulik CM. Developmental Trajectories of Postpartum Weight 3 Years After Birth: Norwegian Mother and Child Cohort Study. *Maternal and Child Health Journal*. 2015 Apr;19(4):917–25.
7. Zerwas S, **Von Holle A**, Watson H, Gottfredson N, Bulik CM. Childhood anxiety trajectories and adolescent disordered eating: Findings from the NICHD study of early child care and youth development: Childhood Anxiety Trajectories. *International Journal of Eating Disorders*. 2014 Nov;47(7):784–92.
8. Zerwas SC, **Von Holle A**, Perrin EM, Cockrell Skinner A, Reba-Harrelson L, Hamer RM, et al. Gestational and Postpartum Weight Change Patterns in Mothers with Eating Disorders: Weight Change Patterns in Mothers with Eating Disorders. *European Eating Disorders Review*. 2014 Nov;22(6):397–404.
9. Ålgars M, Huang L, **Von Holle AF**, Peat CM, Thornton LM, Lichtenstein P, et al. Binge eating and menstrual dysfunction. *Journal of Psychosomatic Research*. 2014 Jan;76(1):19–22.
10. unfola CD, Zucker NL, **Von Holle A**, Mazzeo S, Hodges EA, Perrin EM, et al. NURTURE: Development and pilot testing of a novel parenting intervention for mothers with histories of an eating disorder: Nurture Pilot Testing. *International Journal of Eating Disorders*. 2014 Jan;47(1):1–12.

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11. Peat CM, Huang L, Thornton LM, **Von Holle AF**, Trace SE, Lichtenstein P, et al. Binge eating, body mass index, and gastrointestinal symptoms. *Journal of Psychosomatic Research*. 2013 Nov;75(5):456–61.
12. Runfola CD, **Von Holle A**, Peat CM, Gagne DA, Brownley KA, Hofmeier SM, et al. Characteristics of Women with Body Size Satisfaction at Midlife: Results of the Gender and Body Image (GABI) Study. *Journal of Women & Aging*. 2013 Oct;25(4):287–304.
13. Watson HJ, **Von Holle A**, Hamer RM, Knoph Berg C, Torgersen L, Magnus P, et al. Remission, continuation and incidence of eating disorders during early pregnancy: a validation study in a population-based birth cohort. *Psychol Med*. 2012 Nov 20;1–12.
14. Brownley KA, **Von Holle A**, Hamer RM, La Via M, Bulik CM. A double-blind, randomized pilot trial of chromium picolinate for binge eating disorder: Results of the Binge Eating and Chromium (BEACH) Study. *Journal of Psychosomatic Research*. 2013 Jul;75(1):36–42.
15. Zerwas S, Lund BC, **Von Holle A**, Thornton LM, Berrettini WH, Brandt H, et al. Factors associated with recovery from anorexia nervosa. *Journal of Psychiatric Research*. 2013 Jul;47(7):972–9.
16. Knoph, C., **Von Holle, A.**, Zerwas, S., Torgersen, L., Tambs, K., Stoltenberg, C., Reichborn-Kjennerud, T. (2013). Course and predictors of maternal eating disorders in the postpartum period. *International Journal of Eating Disorders*, 46(4), 355–368. doi:10.1002/eat.22088
17. Runfola CD, **Von Holle A**, Trace SE, Brownley KA, Hofmeier SM, Gagne DA, et al. Body Dissatisfaction in Women Across the Lifespan: Results of the UNC-SELF and Gender and Body Image (GABI) Studies. *Eur Eat Disord Rev*. 2013 Jan;21(1):52–9.
18. Gagne DA, **Von Holle A**, Brownley KA, Runfola CD, Hofmeier S, Branch KE, et al. 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. *International Journal of Eating Disorders*. 2012.
19. Ulman TF, **Von Holle A**, Torgersen L, Stoltenberg C, Reichborn-Kjennerud T, Bulik CM. Sleep disturbances and binge eating disorder symptoms during and after pregnancy. *Sleep*. 2012;35(10):1403–11.
20. Zerwas S, **Von Holle A**, Torgersen L, Reichborn-Kjennerud T, Stoltenberg C, Bulik CM. Maternal eating disorders and infant temperament: Findings from the Norwegian mother and child cohort study. *International Journal of Eating Disorders*. 2012 May;45(4):546–55.
21. Unikel C, **Von Holle A**, Bulik C, Ocampo R. Disordered eating and suicidal intent: The role of thin ideal internalisation, shame and family criticism. *European Eating Disorders Review*. 2012 Jan;20(1):39–48.
22. Siega-Riz AM, **Von Holle A**, Haugen M, Meltzer HM, Hamer R, Torgersen L, et al. Gestational weight gain of women with eating disorders in the Norwegian pregnancy cohort. *International Journal of Eating Disorders*. 2011 Jul;44:428–34.
23. Reyes-Rodriguez ML, **Von Holle A**, Ulman TF, Thornton LM, Klump KL, Brandt H, et al. Posttraumatic Stress Disorder in Anorexia Nervosa. *Psychosomatic Medicine*. 2011 Jun 28;73(6):491–7.
24. Meltzer-Brody S, Zerwas S, Leserman J, **Von Holle A**, Regis T, Bulik C. Eating Disorders and Trauma History in Women with Perinatal Depression. *Journal of Women's Health*. 2011 Jun;20(6):863–70.

25. Dellava JE, **Von Holle A**, Torgersen L, Reichborn-Kjennerud T, Haugen M, Meltzer HM, et al. Dietary supplement use immediately before and during pregnancy in Norwegian women with eating disorders. *International Journal of Eating Disorders*. 2011 May;44(4):325–32.
26. Zucker N, **Von Holle A**, Thornton LM, Strober M, Plotnicov K, Klump KL, et al. The significance of repetitive hair-pulling behaviors in eating disorders. *Journal of Clinical Psychology*. 2011 Apr;67(4):391–403.
27. Knoph Berg C, Torgersen L, **Von Holle A**, Hamer RM, Bulik CM, Reichborn-Kjennerud T. Factors associated with binge eating disorder in pregnancy. *Int J Eat Disord*. 2011 Mar;44(2):124–33.
28. Reyes-Rodriguez ML, Sala M, **Von Holle A**, Unikel C, Bulik C, Camara-Fuentes L, et al. A Description of Disordered Eating Behaviors in Latino Males. *Journal of American College Health*. 2011 Jan 21;59(4):266–72.

Complete List of 43 Published Works in My Bibliography: <https://bit.ly/32Yq1Wj>