

## Sarah R. Haile

Epidemiology, Biostatistics and Prevention Institute  
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### Education

- 2008 *Doctor of Philosophy in Biostatistics*  
University of Pittsburgh, School of Public Health\* (Pittsburgh, PA, USA)
- 2003 *Bachelor of Arts in Mathematics*  
College of Wooster (Wooster, OH, USA)
- 1999 *Regents Diploma*  
Clinton Central School (Clinton, NY, USA)

### Work Experience

- 4/2021– **Biostatistician (60%), Department of Epidemiology,**  
Epidemiology, Biostatistics and Prevention Institute  
University of Zurich, Switzerland
- 4/2015–3/2021 **Biostatistician (postdoctoral researcher) (50%), Department of Epidemiology,**  
Epidemiology, Biostatistics and Prevention Institute  
University of Zurich, Switzerland  
*including consulting for the Department of Pulmonology, University Hospital of Zurich (20%, 4/2015-12/2018)*
- 12/2013–2/2015 **Biostatistician (50%), Clinical Trials Unit,**  
Cantonal Hospital St. Gallen, Switzerland
- 7/2011–11/2013 **Biostatistician (50%), Department of Biostatistics,**  
Epidemiology, Biostatistics and Prevention Institute<sup>†</sup>  
University of Zurich, Switzerland  
*as a statistical consultant for the Clinical Trials Unit, Cantonal Hospital St. Gallen*
- 12/2008–6/2011 **Biostatistician (100%), Department of Biostatistics,**  
Epidemiology, Biostatistics and Prevention Institute<sup>†</sup>  
University of Zurich, Switzerland  
*as a statistical consultant for the Clinical Trials Center, University Hospital of Zurich (50%), and the Clinical Trials Unit, Cantonal Hospital St. Gallen (50%)*
- 8/2003–8/2008 **Graduate Student Researcher, National Adjuvant Breast and Bowel Project,**  
Pittsburgh, PA, USA
- 5–7/2001 **Summer Intern,** Goodyear Tire & Rubber, Akron, OH, USA  
*part of the College of Wooster's Applied Math Research Experience*
- 2000–2003 **Math Grader,** College of Wooster, Math Department, Wooster, OH, USA
- 1999–2003 **Purchasing Secretary (summer / holiday),** Mohawk Valley Health System<sup>‡</sup>, Utica, NY, USA

### Statistical Consulting

- 2015– Department of Epidemiology, EBPI, University of Zurich
- 2015–2018 Department of Pulmonology, University Hospital Zurich

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\*Previously: Graduate School of Public Health

†Previously: Institute for Social and Preventive Medicine

‡Previously: Faxton-St. Luke's Healthcare

- 2008–2014 Clinical Trials Unit, Cantonal Hospital St. Gallen
- 2008–2011 University of Zurich and Clinical Trials Center, University Hospital of Zurich

## Teaching Experience

- 2021– Pyramid of Evidence (1.5 hours, part of workshop: Critical Appraisal of Published Clinical Studies for SIG Early Career of the [Swiss Society of Pulmonology](#))
- 2020– Analysis of RCTs (12 hours, part of "Randomised trials – From lab experiments to large preventive trials" course of Master of Science in Biomedicine, at the University of Zurich)
- 2020– Analysis of RCTs (12 hours, Introduction to Epidemiology, course of Epidemiology and Biostatistics PhD and Masters in Biostatistics program at the University of Zurich)
- 2021 Planung der statistischen Analyse (4 hours, part of Mantelstudium: Verfassung einer wissenschaftlichen Arbeit at the University of Zurich)
- 2020 Model/variable selection and interpretation (3 hours, part of [Methods Seminar](#) for PhD program "Epidemiology and Biostatistics" at University of Zurich)
- 2013–2014 Introduction to Statistics (30 minutes, part of Good Clinical Practice course, organized by the Clinical Trials Unit, Cantonal Hospital St. Gallen) (4-5 times per year)
- 1/2013 Survival Analysis / Sample size & Power Calculations (6 hours, part of Statistics course for Master of Science in Nursing, at the University of Applied Sciences St. Gallen)
- 11/2012 Introduction to Biostatistics in Oncology (3.5 hours, part of Cancer Biology PhD program Module on Clinical Cancer Research, at the University of Zurich) (2 times)
- 2009–2011 Introduction to Statistics (1 hour, part of Good Clinical Practice course Module III, organized by the Clinical Trials Center at the University Hospital of Zurich) (15 times)

## Advising

- Lisa Ruckstuhl MPH: Einfluss kantonaler gesundheitspolitischer Rahmenbedingungen und Aktivitäten auf die Influenza-Impfrate bei Patienten mit nicht übertragbaren Krankheiten in der Schweiz (2021, co-advisor)

## Grants

- [Iten-Kohaut Stiftung](#) Better tools for better estimates: Improving approaches to handling missing data in Swiss Cancer registries (CHF 50,000, 2 years 2022-2024, Principal Investigator)

## Talks

- 1/2024 How to handle missing data (University of Zurich, internal)
- 12/2020 Assessing Agreement (University of Zurich, internal)
- 2/2020 How to interpret interactions (University of Zurich, internal)
- 10/2019 How to handle missing data (University of Zurich, internal)
- 7/2013 Regression modelling of positive / negative predictive values (University of Zurich, internal)

- 9/2010 Sample Size Functions in R, continued (University of Zurich, internal)
- 3/2010 Parametric Modeling of the Cumulative Incidence Function with an extended Gompertz distribution (contributed talk, *Deutsche Arbeitsgemeinschaft Statistik* conference, Dortmund, Germany)
- 2/2010 Sample Size Functions in R (University of Zurich, internal)
- 5/2009 A Parametric Model for Survival Data: Regression using the Weibull Distribution (University of Zurich, internal) [see [vignette](#) in R package *SurvRegCensCov*]
- 2/2009 Templates for Consulting Reports using Sweave (University of Zurich, internal)
- 1/2009 Inference on Competing Risks in Breast Cancer Data (University of Zurich, internal)

### Professional Activities

- 2020–2021 Assistant Professorship Committee, Interventional Cardiology
- 2014–2019 Editorial Board, *Journal of Clinical Oncology*
- 2010– International Biometric Society (Austro-Swiss Region)
- 2006– American Statistical Association
- 2010–2011 Sounding Board, Impact of the DRG Payment System on Nursing Service Context Factors (supported by the Swiss National Science Foundation)
- Statistical Reviewer (alphabetically) *BMC Medical Research Methodology*, *BMJ Open*, *Clinical Rheumatology*, *Frontiers in Public Health*, *International Journal of Public Health*, *Journal of Applied Statistics*, *Journal of Clinical Oncology*, *PLOS ONE*, *Scientific Reports*, *Statistics in Medicine*, *Viruses*

### Continuing Education

- 5/2024 Essentials of Medical Data Sharing and Privacy – Maximize the use of data (1/2 day, Basel Biometric Society Seminar)
- 1/2024 Publishing personal and sensitive data (1 day, Graduate Research Campus, University of Zurich)
- 6/2023 Stand firm - tools of rhetoric for higher education teaching (1 day, Institute for University Didactic, University of Zurich)
- 2/2023 [UZH Reproducibility Day](#) (1 day, [UZH Center for Reproducible Science](#))
- 1/2023 3rd International Meeting on Teaching Epidemiology (1.5 days, University of Zurich)
- 11/2022 Introduction to Causal Inference (2 days, University of Zurich)
- 10/2022 Making (online) lectures cognitively stimulating (1 day, Institute for University Didactic, University of Zurich)
- 10/2019 Causal Diagrams: Draw Your Assumptions Before Your Conclusions (online course by Miguel Hernán, [HarvardX](#))
- 2/2019 [UZH Reproducibility Day](#) (1 day, [UZH Center for Reproducible Science](#))
- 10/2018 Bayesian inference using R-INLA (2 days, [Zurich R Courses](#), Switzerland)
- 9/2018 Reproducibility and Replication (2 days, [UZH Center of Reproducible Science \(CRS\)](#))
- 5/2014 Phase II Oncology Trials in R (1 day, Institute for Medical Biometry and Informatics, University of Heidelberg)

5/2014	Human Research Act (online course, Clinical Trial Unit Basel)
3/2011	SecuTrial Data Management System (1 day, Swiss Clinical Trials Organization)
2010–2011	Good Clinical Practice Course, Modules I–III (3 days, Clinical Trials Center, University Hospital of Zurich)
9/2010	Concepts for Design of Clinical Trials (2 days, University of Bern and the Swiss Group for Clinical Cancer Research (SAKK))
6/2010	Swiss Clinical Trials Organization Inaugural Symposium (1 day, Lausanne, Switzerland)
3/2010	DAGStat2010 Conference (contributed talk, Dortmund, Germany)
10/2009	Symposium: Statistics in Oncology (1/2 day, Swiss Group for Clinical Cancer Research (SAKK))
10/2009	Presentation Training Workshop (2.5 days, Institute for University Didactic, University of Zurich)
9/2009	Statistical Issues in Drug Development (2 days, Stephen Senn, Rennes, France)
10/2008	Adaptive Designs for Complex Studies in Oncology (2 days, Tim Friede and Ulrich Mansmann, Munich, Germany)
3/2008	International Biometric Society, ENAR Conference (contributed poster, Arlington, VA, USA)

### Computer Skills

Statistical Software	R (including <a href="#">tidyverse</a> and <a href="#">ggplot2</a> packages), STATA, nQuery, SAS, SPSS
Other	<a href="#">knitr</a> / Sweave and <a href="#">R Markdown</a> , $\LaTeX$ , Linux (Ubuntu)

<b>Languages</b>	English (native), German (fluent, Goethe Zertifikat B2 <i>sehr gut</i> (2011)) French (intermediate), Spanish (beginning)
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