

# Yunhong Wu

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## EDUCATION

**Harvard T.H. Chan School of Public Health**  
*Master of Science in Biostatistics, GPA: 3.93/4.00*

**Boston, MA**  
*Sept. 2018 – May 2020*

**University of Wisconsin-Madison**  
*Bachelor of Science in Statistics, Minor in Computer Science, GPA: 3.92/4.00*

**Madison, WI**  
*Sept. 2014 – Dec. 2017*

## EXPERIENCE

**Boston Children's Hospital**  
*Biostatistician I; Supervisor: Dr. David Wypij*  
*Research Assistant*

**Boston, MA**  
*June 2020 – Present*  
*Feb. 2020 – May 2020*

- Apply advanced statistical and data science methodologies to the design and analysis of biomedical research and clinical data.
- Develop statistical analysis plans, statistical reports, Data and Safety Monitoring Board (DSMB) reports, and data summarization.

**Maimonides Medical Center**  
*Researcher; Advisor: Dr. Yiqing Xu*

**Brooklyn, NY**  
*July 2020 – Present*

- Conduct collaborative research with clinical investigators; implement appropriate statistical methods for addressing study objectives.
- Contribute to writing and preparation of academic publications such as providing input into the interpretation of statistical results.

**Boston Consulting Group**  
*Part-Time Assistant*

**Shanghai, China**  
*Dec. 2019 – Jan. 2020*

- Provided statistical support for real world evidence studies such as conducting power analyses to determine required sample sizes.

**Vertex Pharmaceuticals**  
*Statistical Programming Intern*

**Boston, MA**  
*May 2019 – Dec. 2019*

- Built a log message navigation tool with SAS Macro to boost up the efficiency of identifying and correcting issues in SAS log.
- Created SAS analysis datasets and generated tables, figures, and listings for regulatory submission following CDISC standards.

**Eli Lilly (China) R&D Co., Ltd.**  
*Biostatistics Intern*

**Shanghai, China**  
*Mar. 2018 – Aug. 2018*

- Performed data wrangling and analyzed healthcare data; produced tables/figures for study reports; wrote abstract and designed poster.
- Developed an interactive web application with R-Shiny to facilitate design of clinical studies by visualizing trends of survival curves.

**University of Wisconsin School of Medicine and Public Health**  
*Undergraduate Research Assistant; Advisor: Dr. Thomas Cook*

**Madison, WI**  
*Apr. 2017 – Feb. 2018*

- Created an imputation procedure for data missing not at random by post-processing datasets imputed assuming missing at random.
- Conducted sensitivity analysis to explore robustness of inferences under plausible departures from missing at random assumption.

*Undergraduate Research Assistant; Advisor: Dr. Richard Chappell*

*Oct. 2017 – Dec. 2017*

- Analyzed clinical data from breast cancer patients using R and identified possible factors to predict tumor recurrence.
- Investigated the statistical methods (such as the Cox model) for modeling metastasis and control of breast cancers.

## PUBLICATIONS

- Alizadeh F, Morell E, Hummel K, **Wu Y**, Wypij D, Singleton PJ, Matthew D, Estes P, Moynihan K, Blume ED (2022). The Surprise Question as a Trigger for Primary Palliative Care Interventions for Children with Advanced Heart Disease. *Pediatr Cardiol*. doi: 10.1007/s00246-022-02919-8.
- Lin DD, **Wu Y**, Toom S, Sheth N, Becker K, Burdette-Radoux S, D'Silva J, Huang Y, Lipshitz J, Meghal T, Mo L, Murthy P, Rubin P, Natarajan V, Donahue B and Xu Y (2021). Clinical Determinants Differentiating the Severity of SARS-CoV-2 Infection in Cancer Patients: Hospital Care or Home Recovery. *Front. Med.* 8:604221. doi: 10.3389/fmed.2021.604221.
- Wu A, **Wu Y**, Natarajan V, Singh P, Cheema W, Hossain R, Liu C, Mejia Y, Oo M, Valenzano B, Xu Y (2021). Complementary and alternative medicine (CAM) use in cancer patients of immigration background. *Submitted*.

## POSTERS/ABSTRACTS

- Tremblay E, Millington K, **Wu Y**, Wypij D, Agus M, Wolfsdorf J (2021). Utilization of Serum  $\beta$ -hydroxybutyrate to Define Resolution of DKA. *Proceedings of International Society for Pediatric and Adolescent Diabetes Annual Conference*, Virtual.
- Zhou Z, Wang K, **Wu Y**, Jiang S (2018). Patient characteristics, glycemic levels, and association with blood glucose testing behaviors – a retrospective analysis from Lilly Connected Care Program. *Diabetes Metab Res Rev*, 34 (S1): e3079.

## SKILLS

- Computer skills: R, R-Shiny, SAS, SQL, Python, Java, MATLAB, LaTeX, East, Microsoft Office, macOS, Unix/Linux, Windows