

# Yuqing Chen

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## EDUCATION

### Ph.D. in Epidemiology

University of Pittsburgh Graduate School of Public Health  
08/2020 - Present  
Pittsburgh, PA, USA  
Department: Epidemiology

Pittsburgh, PA

### Master of Public Health

University of Pittsburgh Graduate School of Public Health  
Pittsburgh, PA, USA  
Department: Epidemiology  
Environmental and Occupational Health

Pittsburgh, PA

### Master of Science

Hainan University  
Haikou, Hainan, China  
Major: Microbiology

Hainan, China

### Bachelor of Science

Hainan University  
Haikou, Hainan, China  
Major: Biotechnology

Hainan, China

## PROFESSIONAL EXPERIENCE

## RESEARCH EXPERIENCE

### Research Analyst

Pittsburgh, PA

*Epidemiology Data Center, Graduate School of Public Health, University of Pittsburgh*

- **Change of depressive symptoms among mid-life women during and after the menopausal transition.**
  - Datasets and variables creation, sensitive analysis, longitudinal random-effects regression model building, latent class growth analysis, LOWESS, and piecewise linear regression analysis, analyses discussion, and report generation.
- **Association of change in hormone for women across the menopausal transition and physical function during postmenopausal period.**
  - Datasets and variables creation, missing value imputation, multi-trajectory modeling, piecewise linear and longitudinal ordinal generalized modeling, analyses discussion, and report generation.
- **Relationship between frequency of women reporting VMS and hormone variability.**
  - Statistical analysis plan exploration, variables and datasets creation, cross-sectional and longitudinal characteristic checking for further model building.

- **Risk of Major Depressive Disorder for mid-life women during and after the menopausal transition.**
  - Sample datasets and variable preparation, basic statistical analysis, and mixed-effect regression models building.
- **Association between Estrogen Variability and Eating Disorder Symptoms in Midlife women.**
  - Sample datasets and variables preparation and further statistical analysis assistance.

## **Research Internship**

**Pittsburgh, PA**

*Health Studies Research Center, Department of Epidemiology, University of Pittsburgh*

- **Quality Control for REDCap database of Long-Life Family Study:**
  - Assisted with LLFS Data Management and Coordinating Center (DMCC) generating quality control reports.
  - Characterized and analyzed error subtypes by SAS and gave suggestions for improvement of data entry and collection.

*Division of Rheumatology and Clinical Immunology, University of Pittsburgh Medical Center*

- **Temporal-Spatial analysis of Environmental Exposure in Systemic Sclerosis (SSc):**
  - Performed literature and paper review, data entry of occupational silica exposure interview paperwork of SSc patients in the Pittsburgh area. Identified and categorized exposure and outcome, generated datasets for statistical analysis.
  - Performed basic statistical analysis and spatial analysis regarding the association between SSc cases and occupational silica exposure by SAS and ArcGIS.

## **WORK EXPERIENCE**

### **Data Manager/Analyst**

**Pittsburgh, PA**

*Epidemiology Data Center, Graduate School of Public Health, University of Pittsburgh*

- Managing longitudinal cohort datasets for the Study of Woman's Health Across the Nation (SWAN), including basic algorithm checking, processing, problem-solving, and summarized cross-sectional/longitudinal datasets generating for analysis purposes.
- Responsible for imputation and generation of longitudinal cardiovascular risk factors, comorbidities, and longitudinal menopausal status datasets, checking problematic cross-sectional and longitudinal assay results.
- Participating in statistical analysis for SWAN research projects, including sample datasets creation, statistical analysis, model building, sensitive analysis, analysis plan exploration, and analysis report generation, etc.

### **PUBLICATIONS:**

*In press:*

Howard M. Kravitz, Alicia B. Colvin, Nancy E. Avis, Hadine Joffe, Yuqing Chen, Joyce T. Bromberger. Risk of high depressive symptoms after the final menstrual period: the study of women's health across the nation (SWAN). *Menopause: The Journal of The North American Menopause Society*.