

# Jinghui Ju

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## EDUCATION

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<b>Doctor of Philosophy (Ph.D.), Epidemiology</b>	Aug 2019 - present
University of Pittsburgh, Graduate School of Public Health, Pittsburgh, PA	
GPA: 3.91/4.0	
<b>Honors Thesis:</b> Evelyn H. Wei Memorial Scholarship (2021)	
<b>Master of Public Health (MPH), Epidemiology</b>	Apr 2019
University of Pittsburgh, Graduate School of Public Health, Pittsburgh, PA	
GPA: 3.92/4.0	
<i>Essay: Endometrial pathology in bariatric surgery candidates from three institutions</i>	
<b>Master of Science (MS), Global Health</b>	Dec 2016
University of Southern California, Keck School of Medicine, Los Angeles, CA	
GPA: 3.46/4.0	
<b>Bachelor of Medicine (MBBS), Clinical Medicine</b>	Jun 2014
Qingdao University, Qingdao, China	
GPA: 3.84/4.0	
<b>Honors Thesis:</b> Outstanding Student Award (2014), Outstanding Student League Cadre Award (2014), and “Qingdao Bank” Scholarship (2013)	

## RESEARCH & WORK EXPERIENCE

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<b>ORISE Fellow at FDA</b> , U.S. Food and Drug Administration, Silver Spring, MD	Jun 2021 – Sep 2021
<ul style="list-style-type: none"><li>Standardized and compiled concomitant drug data of 17 cardiovascular outcome trails (CVOTs) using R</li><li>Assisted with the standardization of laboratory data of CVOTs using Python</li><li>Evaluated the effectiveness of antidiabetic drugs in preventing cardiovascular outcomes in the T2D population using propensity score methods (e.g. IPTW, PSM) using R</li><li>Presented the proposed project at the Office of New Drug (OND) Summer Student Presentation</li></ul>	
<b>Graduate Student Researcher</b> , University of Pittsburgh, Pittsburgh, PA	Aug 2019 – Dec 2021
Research Group of Tina Costacou, Ph.D., Department of Epidemiology	
<ul style="list-style-type: none"><li>Assisted in data management of longitudinal cohort studies using SAS</li><li>Performed data analysis using SAS and drafted two manuscripts for publication</li><li>Presented research posters at the Scientific Sessions of American Diabetes Association (80<sup>th</sup>, 81<sup>st</sup>)</li></ul>	
<b>Research Assistant</b> , University of Pittsburgh, Diabetes and Lipid Research Clinic, Pittsburgh, PA	Oct 2018 – Jul 2019
Research Group of Tina Costacou, Ph.D., Department of Epidemiology	
<ul style="list-style-type: none"><li>Performed data analysis using SAS and developed a manuscript for publication</li><li>Drafted and presented a research poster at the 79<sup>th</sup> Scientific Sessions of American Diabetes Association</li></ul>	
<b>Student Researcher</b> , University of Pittsburgh Graduate School of Public Health, Pittsburgh, PA	May 2018 – Present
Research Group of Dara D Mendez, Ph.D., MPH, Department of Epidemiology	
<ul style="list-style-type: none"><li>Reviewed and selected articles of gestational weight gain and postpartum weight retention analysis</li><li>Assisted in drafting a protocol of a systematic review</li></ul>	

**Student Researcher**, Magee-Womens Research Institute, Pittsburgh, PA May 2018 – Apr 2019

Research Group of Faina, Linkov, Ph.D., MPH, Department of Obstetrics, Gynecology & Reproductive Sciences

- Conducted research on endometrial pathology in bariatric surgery population
- Performed data analysis using Stata and developed manuscript for publication

**Air Quality Intern**, Allegheny County Health Department, Pittsburgh, PA May 2018 – Aug 2018

- Examined hydrogen sulfide (H<sub>2</sub>S) concentration and relationships between H<sub>2</sub>S and other air pollutants and weather conditions at Liberty Borough Monitoring Station in Allegheny County, PA by using SAS and Stata
- Conducted statistical analysis of large dataset and drafted an analysis report including detailed tables, graphs, figures and the textual description of air pollutant concentration and exceedances in Allegheny County, PA
- Presented the H<sub>2</sub>S project to colleagues in Allegheny County Health Department and GSPH

**Global Healthcare Development and Practices**, Nepal Jul 2016

- Explored their health care system in Kathmandu, Nepal and observed how they response in emergencies
- Attended lectures on different healthcare topics from WHO/UNICEF health and nutrition team
- Researched and presented on the topic of Female Community Health Volunteer (FCHV) Program in Nepal

**Intern Doctor**, the Affiliated Hospital of Qingdao University, Qingdao, China Jun 2013 – Jun 2014

- Assisted surgeons to perform the operation: preoperative disinfection, pulling retractors & tying surgical knots
- Communicated with patients to record their medical history and updated case record on a daily basis
- Performed physical examinations on patients

## PUBLICATIONS

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- [1] Wang D, Hou L, Ju C, Zhang J, Zhang Z, **Ju J**, Liu S. (2014). Neuroprotective effect of chlamys farreri skirts glycosaminoglycan on 6-hydroxydopamine-induced apoptosis in SH-SY5Y cells. *Chinese Pharmacological Bulletin*, 145-146.
- [2] **Ju J**, & Xie D. (2013). Radicular Cyst Infected Maxillary Sinus One Case Misdiagnosis. *Medical Journal of QILU*, ISSN:1008-0341/CN:37-1280/R.
- [3] Sanders S, **Ju J**, Mehta U, Mendez D.D. Addressing maternal weight status after delivery in context of 2009 IOM guideline for gestational weight gain: A systematic review. [manuscript in preparation]
- [4] **Ju J**, Tomaszewski EL, Orchard TJ, Evans RW, Feingold E, Costacou T. (2020). The haptoglobin 2-2 genotype is associated with cardiac autonomic neuropathy in type 1 diabetes: the RETRO HDLc study. *Acta Diabetol*. 2020;57(3):271-278.
- [5] **Ju J**, Rubinstein DN, El Khoudary SR, Orchard TJ, Costacou T. Age at menarche and its association with the metabolic syndrome in type 1 diabetes. [manuscript in preparation]
- [6] **Ju J**, Kinney GL, Miller RJ, Orchard TJ, Costacou T. The association of ankle-brachial index and BMI with pulmonary disease in type 1 diabetes. [manuscript in preparation]

## CLASS PROJECTS

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- **Advanced Topics in Epidemiology**: Black-White Differences in Gestational Weight Gain and Adverse Birth Outcomes: A Secondary Analysis of 2017 US Vital Statistics Natality Data (2020)
- **The Epidemiologic Basis of Disease Control**: Community-Based Education Intervention to Increase Rate of Breast Cancer Screening among African American Women in Allegheny County, PA (2019)
- **Reproductive Epidemiology**: Cesarean Delivery and Chronic Disease in Offspring (2018)
- **Applications in Public Health**: Infant Mortality in the Monongahela Valley, Allegheny County, PA (2018)
- **Conduct of Clinical Trails**: HIV Testing Rates in Men Who Have Sex with Men through an Enhanced Smart-Phone Based Dating Application (2018)
- **SAS**: Analysis on Weight Change and Reproductive Health in Women with Type 2 Diabetes (2017)
- **Global Nutrition**: Promoting Exclusive Breastfeeding in Vietnam (2016)
- **Maternal Mortality in Afghanistan**: Historical, Cultural, and Logistical Barriers to Health Care (2016)
- **Non-communicable Disease**: Diabetes in Marshall Islands (2016)

## SERVICE, LEADERSHIP & VOLUNTEER EXPERIENCE

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- Student Ambassador**, Graduate School of Public Health, University of Pittsburgh Feb 2018 – Present
- Served as a resource for newly accepted Master’s students
  - Answered questions about programs and classes emphasizing in a specific area of Epidemiology
- Teaching Assistant**, Graduate School of Public Health, University of Pittsburgh Aug 2020 – Dec 2020
- Gave a lecture on using SAS for descriptive analysis for the course “EPIDEM2185 Introduction to SAS”
  - Held office hours weekly for the course “EPIDEM2185 Introduction to SAS”, answering questions from students and solving relevant problems they encountered
- Volunteer**, Dynamics Therapies, Inc. Arcadia, CA May 2016 – Feb 2017
- Observed and participated in daily operations of pediatric occupational therapy
  - Assisted in the office, including filing charts, making copies, re-stocking therapy supplies
- English Teaching Assistant**, New Oriental Education & Technology Group Inc. Apr 2015 – Aug 2015
- Graded students’ assignment
  - Recommended tools and methods for studying English
- Volunteer**, TPM Dispensary, Dar es Salaam, Tanzania Jan 2015 – Mar 2015
- Interviewed patients for symptoms and guided them to proper laboratory tests
  - Prepared prescription medicine and administered injections
- Director of Arts Department**, Participated in Student Union, Qingdao University Sep 2011 – Jun 2012
- Organized Medical College 2014 Farewell Party (May 2012)
  - Organized Medical College 2012 New Year Party (December 2011)
  - Organized the chorus competition (September 2011– December 2011)

## SKILLS & CERTIFICATE

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- **Computer Skills:** SAS, R, Python, Stata, Tableau, Epi Info<sup>TM</sup>, EndNote, Microsoft Office, DistillerSR
- **Languages:** Fluent in English and Mandarin (oral and written)
- **Certificate:** SAS Certified Advanced Programmer for SAS 9 (June 2019)