

# Yehua Wang

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## Education Background

**Doctoral student, Department of Pharmaceutical Outcomes and Policies, University of Florida** 2020.9-Current

- Linton E. Grinter Fellowship for new doctoral students (2021-2023)

**MSPH in Global Disease Epidemiology and Control, the Johns Hopkins Bloomberg School of Public Health** 2016.9-2018.6

- Certificate in Clinical Trials; Certificate in Vaccine Science and Policy

**BS in Life Science, Fudan University** 2012.9-2016.7

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## Professional and academic experience

**HEOR Intern, Shanghai Centennial Scientific Ltd; Shanghai, China** 2021.6-2021.8

- Prepared cost-effectiveness analysis model for the pharmaceutical company client for its drug to be included the China National Reimbursement Drug List (NRDL)
- Prepared value dossier of an asthma drug's inclusion into the China National Essential Drug List (NEDL)

**Analyst, Real-World Solutions/HEOR, IQVIA; Shanghai, China** 2019.4-2020.6

- Prepared value dossier of an oncology drug's new indication, its inclusion into the China NRDL
- Performed budget impact analysis of an antiemetic drug to forecast its annual cost to be included into the China NRDL
- Conducted literature review of previously published research articles to map out the current real-world data sources in China
- Developed comparative cost-effectiveness research plan using EMR and chart review to assess the real-world effectiveness of a drug versus its competitors to provide evidence for the China NRDL inclusion
- Conducted a methodology review on survival curve extrapolation of CAR-T products used in cost-effectiveness analysis summarized the findings into an abstract and received 2<sup>nd</sup>-price poster at the China HTA forum

**Research assistant, University of North Carolina-Project China; Guangzhou, China** 2018.7-2019.4

- Conducted secondary data analyses on correlates of HIV infection among men who have sex with men (MSM) using different statistical methods such as propensity score matching, inverse probability weighting and time-varying cox-regression analysis
- Coordinated RCT implementation, including 300 participants interview, sample collection & sending and data management
- Designed study protocols, electronic questionnaires, data collection forms, and IRB materials and laid the logistical foundation for innovative (such as intersexual partner testing kit distribution) MSM HIV testing promotion through the Internet.

**Senior research assistant, USAID and Ethiopia Department of Health, Addis Ababa, Ethiopia** 2017.5-2018.6

- As a senior research assistant, assigned to Ethiopia and cooperated with the health ministry to investigate HIV prevalence and characterized HIV vulnerability among adolescent girls and young women. It's the first study in Ethiopia on this population.
- Monitored the working progress and facilitated data quality control; responsible for the communication between field and US
- Led the data analysis, analyzed 800 participants and 650 venues, using model and spatial analysis by Stata and ArcGIS

**Data analyst, AdvaHealth; Beijing, China** 2017.12-2018.1

- Identified and extracted 3,000 records with HPV and Thinprep Cytology Test (TCT) result from 30,000 electronic health records
- Described HPV utilization rate, client's sociodemographic characters and No. of positive cases with virus subtype distribution
- Conducted a retrospective cohort analysis to explore the association between high-risk HPV and TCT abnormality; identified a correlation between persistent infection and High-grade Squamous Intraepithelial Lesion after propensity score adjustment

**Part-time analyst, China Europe International Business School (CEIBS); Shanghai, China** 2018.9-2019.2

- Wrote *Icotinib*, a TKI, its regulatory approval and market entry experience to reveal China's determination of spurring pharmaceutical innovation and the evidence-based assessment. The case was accepted into the CEIBS case database.

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## Publications

**Google scholar:** <https://scholar.google.com/citations?user=026KhrAAAAAJ&hl=en&oi=ao>

- **Wang, Y.**, Huang, Y., Shao, H., (2021) Cost-Effectiveness of pembrolizumab Versus Chemotherapy for Advanced Esophageal Squamous Cell Carcinoma (ESCC) As the Second-LINE Treatment Among the Chinese Population. **Virtual ISPOR 2021**
  - **Wang, Y.**, Comins, C. A., Mulu, A., Abebe, S. A., Belete, K., Balcha, T. T., ... & Schwartz, S. R. (2019). Leveraging Geospatial Approaches to Characterize the HIV Prevention and Treatment Needs of Out-of-School Adolescent Girls and Young Women in Ethiopia. *AIDS and behavior*, 1-11.
  - **Wang, Y.**, Xie, Y., Nie, J., Marly, G., & Tang, W. (2020). The Interaction between HIV Infection and COVID-19: A Systematic Review and Meta-Analysis. Available at SSRN 3716873.
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- Qu, S., **Wang, Y.**, Luo, W., Wang, H., Xie, Y., Long-term survival extrapolation in economic modeling for CAR-T therapy: A methodology review based on HTA appraisals (**China HTA Forum 2019**)
- Chen, Z., **Wang, Y.**, Liu, J., Xie, Y., (2019) Using Real-World Evidence in Health Technology Assessment For Cancer Treatment (**HTAi 2020**)
- Huang, W., **Wang, Y.**, Lu, H., Wu, D., Pan, S. W., Tucker, J. D., & Tang, W. (2020, May). High HIV Incidence Among Men Who Have Sex With Men in 8 Chinese Cities: Results From a Trial. In *Open Forum Infectious Diseases* (Vol. 7, No. 5, p. ofaa147). US: Oxford University Press.
- Tang, W., **Wang, Y.**, Huang, W., Wu, D., Yang, F., Xu, Y., ... & Ma, W. (2020). Adolescent and non-consensual anal sexual debut among Chinese men who have sex with men: a cross-sectional study. *BMC Infectious Diseases*, 20(1), 1-9.
- Huang, W., **Wang, Y.**, Lu, H., Tucker, J., & Tang, W. (2019). P538 High HIV incidence among men who have sex with men in eight Chinese cities: results from a cohort study. (IUSTI 2019)
- Tang, W., **Wang, Y.**, Ong, J., Wu, D., Smith, M. K., Fu, H., ... & Tucker, J. (2019). P529 Early sexual debut and non-consensual sex among Chinese men who have sex with men: a multi-city cross-sectional study. (IUSTI 2019)
- Zhang, T., Yang, F., Tang, W., Huang, W., **Wang, Y.**,... & Yang, L. (2019). P018 Pay-it-forward gonorrhea and chlamydia testing among Chinese men who have sex with men: a cluster randomized controlled trial (IUSTI 2019)
- Shen, K., Yang, N., Fitzpatrick, T., Huang, W., Tang, W., Zhao, Y., **Wang, Y.**, Li, L., & Tucker, J. (2019). #96 Hepatitis B stigma among MSM in China: a crowdsourced intervention (APACC 2019)
- Jia, Y., Huang, D., Wen, J., **Wang, Y.**, Rosman, L., Chen, Q., ... & Celentano, D. D. (2020). Assessment of Language and Indexing Biases Among Chinese-Sponsored Randomized Clinical Trials. *JAMA Network Open*, 3(5), e205894-e205894.
- Jia, Y., Huang, D., Wen, J., Qureshi, R., **Wang, Y.**, Rosman, L., ... & Celentano, D. D. (2020). Assessment of Duplicate Publication of Chinese-Sponsored Randomized Clinical Trials. *JAMA network open*, 3(12), e2027104-e2027104.
- Jia, Y., Huang, D., Wen, J., Liang, J., Qureshi, R., **Wang, Y.**, ... & Ehrhardt, S. (2021). Association between switching of primary outcomes and reported trial findings among randomized drug trials from China. *Journal of Clinical Epidemiology*, 132, 10-17.
- Shen, K., Yang, N. S., Huang, W., Fitzpatrick, T. S., Tang, W., Zhao, Y., **Wang, Y.**, ... & Tucker, J. D. A crowdsourced intervention to decrease hepatitis B stigma in men who have sex with men in China: a cohort study. *Journal of Viral Hepatitis* (Under press)
- Zhang, T. P., Yang, F., Tang, W., Alexander, M., Forastiere, L., Kumar, N., ... & **Wang, Y.** (2019). Pay-it-forward gonorrhea and chlamydia testing among men who have sex with men in China: a study protocol for a three-arm cluster randomized controlled trial. *Infectious diseases of poverty*, 8(1), 1-11.
- Cai Jiangnan, Qian Wenying, **Wang Yehua**, Zhang Li (2019) Conmana (*Icotinib*): the Odyssey of a New Pharmaceutical in China. CEBIS business case, case Number: STR-19-593
- Yang, F., Zhang, T. P., Tang, W., Ong, J. J., Alexander, M., Forastiere, L., ... & Mi, G. (2020). Pay-it-forward gonorrhea and chlamydia testing among men who have sex with men in China: a randomized controlled trial. *The Lancet Infectious Diseases*.
- Wu, D., Zhou, Y., Yang, N., Huang, S., He, X., Tucker, J., ... & Tang, W. (2020). Social media-based secondary distribution of HIV/syphilis self-testing among Chinese men who have sex with men. *Clinical Infectious Diseases*.

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#### Personal skills and certificate

- Japanese Language Proficiency Test (N2); Hammond Organ Play Level 8 Certificate; Spanish
- Skill: Stata, SAS, SPSS, ArcGIS, Redcap, EndNote, Access, Outlook, Microsoft Office