Yu Mao

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About me: 3 years of experience in study design and data analysis for real-world evidence studies and clinical trials. Collaborating with medical managers and programmers to deliver evidence on effectiveness/ safety/ cost-effectiveness for medicinal products.

EDUCATION

Oct 2018 – Sep 2020	**Master of Medical Science**	**Nagoya, Aichi, Japan**
	Graduate School of Medicine, Nagoya University	
	Research concentration on occupational and environmental epidemiology.	
Sep 2014 – Jul 2018	**Bachelor of Science Degree in Pharmacy**	**Taiyuan, Shanxi, China**
	School of Pharmacy, Shanxi Medical University	
	Honour: Outstanding Graduates.	

PEER-REVIEWED PUBLICATIONS

1. Xu, H., **Mao, Y.**, Xu, B., & Hu, Y. (2021). Low-level environmental lead and cadmium exposures and dyslipidemia in adults: Findings from the NHANES 2005-2016. Journal of trace elements in medicine and biology 63, 126651. https://doi.org/10.1016/j.jtemb.2020.126651 *Cited by 42*

2. Xu, H., **Mao, Y.**, Hu, Y., & Xu, B. (2021). Association between exposure to polyfluoroalkyl chemicals and increased fractional exhaled nitric oxide in adults. Environmental research, 198, 110450. https://doi.org/10.1016/j.envres.2020.110450 *Cited by 7*

3. Xu, H., **Mao, Y.**, & Xu, B. (2020). Association between pyrethroid pesticide exposure and hearing loss in adolescents. Environmental research, 187, 109640. https://doi.org/10.1016/j.envres.2020.109640 *Cited by 26*

WORK EXPERIENCE

May 2024 – Present	**Freelancer**
	• Chinese Translation and localization of *Economic Evaluation in Clinical Trials*
	• Providing services including but not limited to research document writing, deck preparation, data analysing, health technology assessment, etc.
	• Clients: Shanghai Health Development Research Center
May 2023 – Apr 2024	**Clinical Statistician** (full-time) **Shanghai, China**
	Department of Real-World Evidence and Pharmacoeconomics
	Jiangsu Hengrui Pharmaceuticals Co., Ltd.
Responsibilities	• Study design & data analysis: review of study protocols/SAP/CRF, sample size calculation and data analysis for early phase clinical studies and real-world studies
	• Manuscripts review & publication support
	• Providing training on study design and data analysis to internal and external audiences
Sep 2021 – Apr 2023	**RWE Solution Supervisor** (full-time) **Shanghai, China**
	Hangzhou Tigermed Consulting Co., Ltd.
Responsibilities	• Solution making for real-world studies, including desk research on diseases and products, medical strategies, and slide preparation.
	• Design and conduct observational studies: study documents development (study protocol, CRF), project management.

- Covered therapeutic areas: Oncology, immunology, rare disease, etc.

Sep 2020 – May 2021	**Researcher** (full-time)	**Nagoya, Aichi, Japan**

Department of Integrated Healthcare

Clinical Study Support, Inc. (Subsidiary of PPD-SNBL)

Responsibilities   **Validation of ICD-10-based algorithms**

Collaborated with Juntendo University Hospital, this project aimed to assess the accuracy of ICD-10 based algorithms in Japanese population.

- Literature review, study protocol development, programming (R).

Evaluation of the effectiveness of mobile phone based digital health interventions

Collaborated with community pharmacist, we aimed to investigate the effectiveness of digital health interventions on hypertension management.

- Conceptualisation of the study design and the preparation of study related documents.

SKILLS

Languages: Chinese (native), English (fluent, TOEFL 102), Japanese (fluent, JLPT N2)

Programming: R, SAS, Python, SPSS

Clinical Trials: Design, conduct, and reporting of clinical trials. Familiar with industry guidelines (ICH/FDA/CDE).

Statistical Methods: Logistic Regression, Survival Analysis, Propensity Score Analysis, Meta-Analysis

SELECTED PROJECTS

No.	Project Name (confidential info. deleted)	Responsibility
1	Effectiveness and safety of XXX in patients with EGFR exon 20 insertion NSCLC in routine clinical practice in China: A prospective, single-arm, multicenter, observational Study	Study protocol development
2	A single center retrospective, non-interventional study to investigate Chinese VWD patients' characteristics, clinical profile, treatment patterns and economic burden	Study protocol development
3	A phase II study to examine the safety and efficacy of XXX among patients with pulmonary sarcomatoid carcinoma	Statistical analysis

CERTIFICATES

Data Science with Real World Data in Pharma (Coursera, Genetech)	Oct. 2024
Data Science in Health Technology Assessment (Coursera, Genetech)	Oct. 2024

OTHER ACTIVITIES

Jul 2021 - Present	**Observational Health Data Sciences and Informatics (OHDSI)**	**Online**
	Member of OHDSI	
Mar 2021 - Present	**Study Group of Pharmacoeconomics (SGP)**	**Online**
	Online Study Group	

Member of SGP

Oct 2019 – Sep 2020	**Part-time Consultant**	**Nagoya, Aichi, Japan**

Nagoya University Library

- Organizing seminars and workshops on academic writing, library usage, and language learning.
- Providing support for international students.

SCHOLARSHIPS/AWARDS

Oct 2018	Monbukagakusho Honors Scholarship for Privately Financed International Students
Jun 2018	Outstanding Graduates
Nov 2017	Excellent Academic Achievements Awards
Nov 2017	First Class Academic Scholarship
Jun 2017	First Class Academic Scholarship
May 2017	Merit Student
Dec 2016	Shaluo Scholarship
Nov 2016	First Class Academic Scholarship
Sep 2016	First Class Academic Scholarship
Dec 2015	Third Class Academic Scholarship