

# Curriculum Vitae

## Kuan Liao

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## Educational Background

PhD in <i>Health Informatics</i> , University of Manchester	01/2021 – 12/2023
MSc in <i>Health Data Science (with distinction)</i> , University of Manchester	09/2019 – 12/2020
Bachelor in <i>Preventive Medicine and Public Health</i> , Tianjin Medical University	09/2014 – 07/2019

## Research Experience

### Corresponding or first author

- Prognostic value of patient-reported outcome measures (PROMs) in adults with non-small cell Lung Cancer: a scoping review. **BMC Cancer** 22, 1076 (2022). (IF = 4.3)
- Exploring the value of routinely collected electronic patient-reported outcome measures as prognostic factors in adults with advanced non-small cell lung cancer receiving immunotherapy. **BMJ Oncology**
- Development and internal validation of electronic patient-reported outcome measures-based prediction models for overall survival in people with advanced non-small cell lung cancer receiving immunotherapy. (in submission)
- Association of dietary pattern with depressive symptoms in Chinese postmenopausal women. **British Journal of Nutrition**, 122 (10), 1168-1174. (IF = 4.1)

### Co-author

- Fixing the leaky pipe: how to improve the uptake of patient reported outcomes-based prognostic and predictive models in cancer clinical practice. **JCO Clinical Cancer Informatics** 2023 :7. (IF = 4.2)

### ISOQOL student poster presentation award finalist

- To what extent, how and how robustly have PROMs been investigated as prognostic factors in non-small cell lung cancer: a scoping review. 29<sup>th</sup> Annual Conference

## Work Experience

### Academic journal reviewer

06/2023 – Now

- Provided constructive feedback on articles relating to clinical prediction models in **BMC Medical Informatics and Decision Making** (IF = 3.9) and **Journal of Clinical Epidemiology** (IF = 6.4).

### Teaching assistant of over 10 modules – University of Manchester

09/2021 – Now

- Proposed two MSc dissertation projects and co-supervised one project on systematic review of prognostic models using PROMs as predictors for overall survival in people with cancer.
- Led and chaired training sessions for conducting systematic reviews and over 5 practical sessions for fundamentals of statistics, clinical prediction modelling, and causal inference.
- Collaborated with senior academics to develop a marking scheme for essay-based assignments.
- Monitored online questions and provided support during weekly office hours.

## Languages & Skills

**Technical skills:** R; SPSS Statistics; Tableau; Python; SQL; Microsoft Office

**Data science and analytics:** Proven ability of applying statistical and machine learning techniques, prediction modelling, causal inference in observational data, missing data handling, data wrangling with large datasets to analyse big data and conduct high impact research.

**Languages:** English (Work fluent), Mandarin (Native)