Sol Yates

Research Associate · Honorary Researcher · Research Assistant

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January 2026

Experience

Research Associate in Health Economics
Manchester, UK

Manchester Centre for Health Economics, University of Manchester
Oct 2024 - Present

- Conduct health economic evaluations, including cost-effectiveness and utility analysis, using regression-based methods and decision-analytic models on key healthcare interventions.
- Collaborate with multidisciplinary teams to collect and analyse data for large-scale projects such as RECOLLECT, IMPRINT, and gene therapy studies, producing high-quality research output.
- Contribute to academic publications, presentations, and grant applications while actively supporting the development of the Manchester Centre for Health Economics.
- Chair meetings and interview potential interns
- Accredited Researcher (ONS, 2025–2030) – authorised to access secure microdata under the Digital Economy Act 2017 for research in the public interest

Honorary Researcher
Manchester, UK

Manchester University NHS Foundation Trust
Nov 2024 - Present

Worked in an inter-disciplinary between Academia and Healthcare

Research Assistant
Manchester, UK

Economics Department, University of Manchester
Aug 2023

- Implemented support vector machines to predict poverty lines in Python. Performed study replication, data preprocessing, feature engineering, model training, and evaluation.
- Collaborated with team members and independently contributed to various aspects of the project.

Education

University of Manchester
Manchester, UK

MSc in Economics
Sep 2023 - Aug 2024

- Grade: **Distinction**
- **Dissertation:** Differences-in-Differences with a Continuous Treatment : New Evidence and Applications
- **Key Modules:** Econometric Theory, Microeconometrics, Health Economics

University of Manchester
Manchester, UK

BA in Economics
Sep 2020 - Jul 2023

- Grade: **First Class**
- **Key Modules:** Econometrics and Data Science, Quantitative Methods, Microeconomics

Skills

Languages	**R**, **Stata**, Python, Matlab, C++
Programs	**Excel**, **Github**

Publications

1. Rogers G, Landi S, Purssell H, Momoh T, Yates S, Street O, Hanley K, Hanley N, Athwal V, Payne K (2025). Proactive case-finding and risk-stratification in people at risk of chronic liver disease in Greater Manchester: a cost-effectiveness analysis. **Preprint**. https://doi.org/10.1101/2025.06.01.25328671

Research in Progress

- **EYEGEN:** Mortality-adjusted prevalence estimation using a single national testing centre, with partial national coverage.

- **Equity RCT:** Health economic analysis of a cluster randomised trial of a mental health training intervention.

- **Rheum4U:** A longitudinal fixed-effects model of a strictly decreasing polynomial relationship in disease registry data for Rheumatoid Arthritis.

- **IMATCH Scoping Review** of benefit measures for increasing the output of clinical trials.

- **ID-Liver WP2:** Further Developing the Evidence on the early diagnosis of Liver Disease.

- **EYEGENE:** A position piece on the challenges of modelling eye disease and building a Markov model.

- **Breast Cancer Medicine NMA:** A network meta-analysis for risk-reducing breast cancer medicines.