

Job Description

Job title	Research Associate in Health Economics
Department	Warwick Medical School, Warwick Evidence
Grade	FA5

<p>Job purpose (a brief summary of the role)</p>	<p>You will join Warwick Medical School, Division of Health Sciences to support the expanding work programme of Warwick Evidence, one of eleven health technology assessment groups. Working within Warwick Evidence you will support a range of health economics research, which may include undertaking technology appraisals (e.g., single technology and multiple technology appraisals) commissioned by NICE.</p> <p>Along with providing other health economic support, you will work on a recently funded National Institute for Health and Care Research Invention for Innovation project, where the health economic workstream aims to assess the cost-effectiveness of rapid antimicrobial susceptibility testing for the diagnosis of bloodstream infections and treatment of bacterial sepsis in adults.</p> <p>In this role you will work within multidisciplinary teams comprising information specialists, clinicians, statisticians, epidemiologists, and health economic modellers to assess and analyse evidence on the clinical and cost-effectiveness of health technologies, including drugs, devices and diagnostics interventions. Work undertaken will directly inform health policy at the national (and potentially international) level.</p> <p>You will be encouraged to continue to train and develop skills to undertake high quality empirical and methodological research in health economics. You will be expected to contribute to a growing team of statisticians and health economists within WE. There will also be opportunities to participate more broadly in the Medical School's portfolio of health economics research and teaching activities, particularly collaborating with the Centre of Health Economics at Warwick (CHEW).</p>
<p>Duties and responsibilities</p>	<p>Research</p> <ol style="list-style-type: none"> 1. To contribute to the developing programme of health economics research in Warwick Medical School, Division of Health Sciences, and to develop the portfolio of work. 2. To work with project teams within Warwick Evidence (and wider teams), supporting economic analyses and addressing a broad range of health and medical conditions, therapeutic interventions, screening and diagnostic interventions. 3. To work effectively within multidisciplinary teams (variously composed of health economists, modellers, clinicians, information scientists, statisticians, systematic reviewers, epidemiologists, and stakeholders) including a range of meeting formats. 4. To provide health economic input into technology appraisals commissioned for NICE, often working to tight deadlines and ensuring good quality of health economics analyses. This will include analysis of complex datasets, mixed treatment comparisons and cost-effectiveness analyses.

5. To attend national meetings and other forums, including at NICE, the Department of Health and other national bodies.

6. To contribute to high quality reports for funding bodies and peer-reviewed outputs, to present work at academic meetings (e.g., the Health Economics Study Group (HESG) meetings) and to publish work in international high quality peer reviewed journals.

7. To communicate effectively quantitative methods used to assess cost-effectiveness and to work with others using these skills within Warwick Medical School.

8. To contribute to empirical and methodological research and funding, collaborating with colleagues in Warwick Medical School.

9. To contribute to relevant research seminars and conferences both internal and external to the University, contribute to the external visibility and reputation of the university.

Teaching

1. To contribute to teaching, including for postgraduate taught and research degrees, as directed.

2. To provide advice and supervision to junior colleagues and students as necessary and appropriate.

3. To support, and comply with, University and departmental teaching quality assurance standards and procedures.

Administration and other activities

1. To undertake Departmental roles as directed, including attendance at Departmental meetings and participation in other committees and groups within the Department, the Faculty, and the University.

2. To engage in continuous professional development, including participation in relevant professional activities.

3. To undertake, as appropriate, external commitments which enhance the reputation of the Department.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	Good first degree in a quantitative medical, health related or scientific discipline.	A
E2	Postgraduate degree in health economics or other closely related subject.	A
E3	Ability to contribute to high quality economic analyses (trial-based, modelling and decision analytical) in the health care context, including economic evaluations.	A & C
E4	Ability to work independently and work within teams to meet tight deadlines.	A & C
E5	Knowledge and experience of relevant software (e.g., Microsoft Office Excel, TreeAge, Stata, R).	A & C
E6	Ability to pay excellent attention to detail with a thorough, methodological, and flexible approach to work.	A,B & C
E7	Excellent oral and written communication skills with the ability to communicate complex concepts and to collaborate with a range of people.	A,B & C
E8	Experience of delivering to deadline.	A,B & C
E9	Familiarity with the policy context of Health Technology Assessment in the UK and the role of NICE.	A & C

Desirable Criterion No.	Desirable Criterion Description	<i>Measured by</i>
D1	Familiarity with systematic review methods and literature searching techniques, including use of electronic databases such as Endnote or equivalent.	A
D2	Familiarity with utilising a range of statistical methods across different outcome measures and performing evidence synthesis analyses.	A & C
D3	Engagement in continuous professional development.	A & C