Research Fellow in Health Economics

Department: Centre for Reviews and Dissemination
Hours of work: Full time, 37 a week
Contract type: Fixed-Term – 3 Years
Salary: Grade 6, £32,817 - £40,322 a year
Introduction

Centre for Reviews and Dissemination (CRD)

CRD is a research department (https://www.york.ac.uk/crd) that specialises in evidence synthesis across a broad range of healthcare areas to provide best evidence to inform policy and practice decisions, and forms part of a wider health and social care research network within the University of York.

We are looking for an early career health economist to join our team. Applications are welcome from candidates with a Masters in health economics or other quantitative subject such as economics, applied mathematics, operational research or applied statistics and preferably a PhD or equivalent research experience in a relevant topic. The successful candidate will also have a good understanding of evidence synthesis and prior experience of health related research.

Main purpose of the role

The person appointed will work under the supervision of senior colleagues and contribute to economic evaluation and quantitative synthesis across CRD research programmes. They will work mainly on team-based projects commissioned under the NIHR Technology Assessment Reviews (TAR) programme but may also contribute to other CRD projects. This may include undertaking decision analytic modelling, statistical analysis, and evidence synthesis, including parametric survival modelling, network meta-analysis and statistical analysis of individual participant data. They will also be expected to help plan and develop new research ideas and contribute to funding applications.

Key responsibilities

(Role holders will be required to undertake some or all of the duties below)

- Make an active contribution to health economic research within CRD
- Carry out HTA projects including development and critical review of decision models. This may include:
  - making collaborative decisions about most appropriate research methods and approaches
  - building and critical review of decision models (including cohort and individual sampling models)
  - performing statistical analyses e.g. parametric survival modelling, regression analysis, NMA
  - liaising with key stakeholders including clinical experts and NICE technical teams
- Contribute to methods development in health economic, HTA or evidence synthesis
- Develop research ideas and contribute to the preparation of research proposals and applications
- Write and contribute to writing reports and articles for publication in high-quality academic journals
- Disseminate research findings, including presentation at conferences and other appropriate events and to policy, academic and lay audiences, as appropriate
- Collaborate in multi-disciplinary research teams within and outside of the University of York
- Contribute to the development and delivery of short courses and other training events, as required
- Have citizenship roles within CRD, contributing to organisational and administrative tasks connected with research activity
### Person specification

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<thead>
<tr>
<th>Qualifications</th>
<th>Essential / Desirable</th>
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<tr>
<td>Masters-level qualification in health economics or other quantitative subject such as economics, applied mathematics, operational research or applied statistics; preferably with a PhD or equivalent research experience in a relevant discipline</td>
<td>Essential</td>
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<tr>
<th>Knowledge</th>
<th>Essential / Desirable</th>
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<tr>
<td>Excellent understanding of health economics and cost-effectiveness analysis</td>
<td>Essential</td>
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<td>Excellent knowledge of HTA methods and a range of research techniques and statistical methods used in applied economic evaluation</td>
<td>Essential</td>
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<td>Good knowledge of clinical trial methods and of the principles of systematic review and meta-analysis</td>
<td>Essential</td>
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<th>Skills, abilities and competencies</th>
<th>Essential / Desirable</th>
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<tr>
<td>Strong quantitative and analytic skills</td>
<td>Essential</td>
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<tr>
<td>Competent using spreadsheets and statistical software packages (e.g. Excel, Stata, SAS, SPSS, R, BUGS/JAGS WinBUGS)</td>
<td>Essential</td>
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<td>Competency to conduct individual and collaborative research projects as part of a team - with the assistance of a more experienced team member or mentor if required</td>
<td>Essential</td>
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<td>Ability to develop research ideas, projects and proposals with the assistance of a mentor if required</td>
<td>Essential</td>
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<td>Ability to identify sources of funding and contribute to the process of securing funds with collaborators or the assistance of a mentor if required</td>
<td>Essential</td>
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<td>Well developed communication skills and ability to engage effectively with a range of audiences, both orally and in writing, using a range of media</td>
<td>Essential</td>
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<td>Ability to write up research work for publication in high profile journals and engage in onward dissemination</td>
<td>Essential</td>
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<td>Competency to make presentations at conferences or other appropriate events</td>
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<td>Ability to deliver projects to strict deadlines</td>
<td>Essential</td>
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<th>Experience</th>
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<tr>
<td>Experience of undertaking high quality health-related research</td>
<td>Essential</td>
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<td>Experience of economics including applying economic evaluation methods</td>
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<td>Experience of developing economic models in R or Excel</td>
<td>Essential</td>
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<td>Experience of writing research reports and academic papers</td>
<td>Essential</td>
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<td>Experience of delivering work to agreed deadlines</td>
<td>Desirable</td>
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<td>Experience of contributing to the development of research proposals</td>
<td>Desirable</td>
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<td>Involvement in TAR work from the NICE, company or Evidence Review Group perspective</td>
<td>Desirable</td>
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**Personal attributes**

| An interest in and enthusiasm for economic analysis and evidence informed policy | Essential |
| Attention to detail and commitment to producing high quality research outputs | Essential |
| Ability to work constructively as part of a team and collaboratively with colleagues and stakeholders | Essential |
| Ability to work on own initiative and to plan and prioritise own work in order to meet deadlines | Essential |
| Positive attitude to colleagues and willingness to help them meet CRD goals | Essential |
| Willingness to work proactively with colleagues in other work areas/institutions | Essential |
| Commitment to personal development and updating of knowledge and skills | Essential |
| Commitment to promoting the public understanding of research | Essential |