



# AQUARIUS POPULATION HEALTH

Transforming health,  
for everyone

**ASSOCIATE:  
ECONOMIC/MATHEMATICAL MODELLING**

Ref: HE7

## Job Title

**Associate:** Economic/Mathematical Modelling (HE7)

## About Us

Aquarius Population Health is an exciting and innovative healthcare consultancy based in London. Our mission is to generate evidence to inform and support rational decision-making in healthcare.

As a rapidly growing company, we attract talented people who are looking for an opportunity to shape the work we do and improve the health of our population. If you are passionate about delivering excellent results, working in and leading a talented team, and being flexible and dynamic, we want to hear from you. We welcome applicants from a range of backgrounds including academia, consulting, industry, government, and healthcare providers. If you love working on challenging and stimulating projects, exploring and learning new skills, and having your contributions appreciated, then Aquarius is the ideal environment for you.

## Job description: summary

We are recruiting a highly motivated, experienced and enthusiastic individual for an Associate role with a focus on economic/mathematical modelling. This is a full- or part-time permanent post based in North London, to help us grow and expand the work we offer.

The successful candidate will contribute to our health economic modelling projects. The right person will be experienced and knowledgeable about different health economic approaches and will be able to design and conduct technical and modelling analyses. This may include state-transition models, budget impact models, return on investment models, cost-utility and cost-effectiveness models and others. S/he will also be familiar with other analytical and statistical methods and approaches.

Candidates with an MSc in a relevant field or 5+ years' experience will be considered for this position. S/he will be responsible for the contributing to the successful delivery of modelling and other projects, and working with clients, external collaborators, internal colleagues and the Managing Director. S/he will have opportunities to be actively involved in the sales process and growing our client base and revenue.

There are possibilities for national/international travel on projects and presenting results at conferences/workshops. S/he will be passionate about delivering excellent results while managing her/his work in an efficient and professional manner.

## Key responsibilities

- Plan, design and conduct original health research
- Develop health economic models (CEA, CBA and CUA), decision analyses, costing studies, budget impact models, return on investment models, etc.
- Support on other health economic and research/consultancy activities
- Conduct reviews and evidence synthesis to feed into the economic models and other analyses
- Manage successful project planning and delivery including day-to-day management, working on multiple projects against tight deadlines, with our core team and external collaborators
- Contribute to proposals, grant applications, peer-reviewed journal articles, HTA submissions, reports and presentations
- Present findings to clients/collaborators, external audience, both in print and oral form
- Contribute to the growth of Aquarius, achieving our business goals
- Support on developing our internal tools
- Manage client and collaborator relationships
- Manage and train junior staff
- Support the team on administrative tasks as needed
- Contribute to acquiring new clients and generate new revenue for Aquarius
- Contribute to our internal resources and knowledge base

## Person specification

- Excellent communication skills (written and oral) with people across all levels of expertise
- Highly motivated, ambitious, enthusiastic and committed with a strong client focus
- Able to work independently and in a team
- Strong leadership and people management skills including client relationship abilities, and/or the interest to develop these skills
- Multitasking and time management skills and experience
- Able to work under pressure to tight timelines
- Flexible and able to adapt easily and innovate
- Curious and interested in acquiring new knowledge and skills
- Creative, and solutions-focused
- A real problem-solver
- Detail-oriented
- Excellent work ethic and integrity
- Ability to network

As a small consultancy, all members of the team are expected to work on multiple ongoing projects and manage their workloads, and are also expected to make a positive contribution to the growth and success of Aquarius.

## Experience and skills

	Required	Desired
A strong interest in health, healthcare, and medical decision problems	✓	
Conducting health economic evaluation studies, economic models (decision analyses, state-transition models, budget impact models, return on investment models, cost-utility and cost-effectiveness models, etc.) and costing health services	✓	
Experience with modelling, writing programs/code, analysis, and interpreting results with at least one of the following software/languages: Excel including VBA, R, Python, Julia, Java, C/C++	✓	
Technical writing skills (peer-reviewed publications, proposals/grants, reports)	✓	
Ability to manage healthy and productive relationships with clients, collaborators and the internal team	✓	
Experience in project management and delivering results successfully to deadlines; demonstrated ability to prioritise	✓	
Experience in statistics/econometrics: designing analyses, interpreting results, and using at least one of the following software/languages: R, STATA, SAS, SPSS		✓
Experience of using health economic analytical packages, e.g. TreeAge, Palisade Decision Tools		✓
Planning, developing and running dynamic models of disease/infection		✓
Knowledge of the UK health care system and data sources		✓
Awareness of UK/International health policy		✓
Experience working in a consultancy or as a consultant		✓
Experience of HTA submissions		✓

## Qualifications

- MSc in Health Economics, Economic Modelling, Operations Research, Mathematics, or related quantitative field, or BS/BA with 5+ years' equivalent experience
- Previous and proven post-graduate experience
- Fluency in English (written/oral) essential

## Salary

Competitive and negotiable based on qualifications and experience. We offer ongoing personal and professional development and other benefits.

## Our work

We have five primary focus areas, to which all members of the team can actively contribute.



Our independent consultancy delivers key insight to drive evidence-based decision making in healthcare delivery and patient care. We specialise in evaluating the value of implementing healthcare products and services. As part of our work, we develop bespoke solutions to address our clients' and collaborators' needs and unique challenges. We aim to:

- Put enhancing people's health and wellbeing at the centre of what we do
- Collaborate with clients across industry, universities, health charities and government
- Support innovation and adoption of healthcare products and services
- Contribute to national and international health policy
- Lead on novel academic and grant-funded research projects
- Develop insight from complex data
- Use creative approaches in seeking solutions, and always consider the bigger picture
- Communicate key messages about the value of healthcare in a meaningful way to diverse audiences
- Develop strong relationships, and we work with people who feel the same way

## Benefits of working with Aquarius

As a company, we value and reward loyalty, creativity and originality. We believe in supporting people as they develop, and staff have a learning and training plan as part of their role. Aquarius also offers a range of perks including a fun and rewarding office environment with an international team, flexible hours, remote or part-time working, a reward scheme for bringing in new clients/projects and successfully delivering projects, and our weekly Fitbit competition. Well-behaved dogs are welcome to join Teddy, our Wellbeing Officer, in the office.

## Location of the job

This position is permanent and full-time, based in North London (currently in Highgate and relocating to Camden in Spring 2018). We share an office with a qualitative market research agency with whom we regularly collaborate. We also offer flexi-time, and work from home possibilities after a successful probation period.

## How to apply

To apply, please visit <http://aquariusph.com/careers/submit-your-cv/> to submit your **cv** and **cover letter** online with the reference **HE7**. In your cover letter, please detail:

- Why you are the right person for the job, and specifically describe how you meet each item on the list of experience and skills.
- When you would be able to start.
- How you heard about the position.

This cover letter is an essential part of the selection process to help us understand if you are the right person for the job. If you do not include it and answer the above points, you will not be considered for the job.

## Closing date

We are considering candidates on a rolling basis with opportunities to start **immediately**.