

Research Role Profile

Job Title:	Research Fellow A in Health Sciences
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Responsible to:	Head of research group, or principal investigator
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Responsible for:	Not applicable
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Job Summary and Purpose:
To undertake research in accordance with the specified research project(s) under the supervision of the principal investigator.

Main Responsibilities/Activities
To undertake a range of research activities within a specified research area, assuming responsibility for specific areas of projects and making use of new research techniques and methods, in consultation with the research award holder or supervisor. This may include fieldwork, interviews, laboratory experimentation, critical evaluation and interpretation, computer-based data analysis and evaluation or library research. Using initiative and creativity to identify areas for research develop new research methods and extend the research portfolio. Analysing and interpreting results of own research. Write up results and prepare papers for submission to appropriate journals and conferences, and other outputs as required and/or appropriate. Attend appropriate conferences for the purpose of disseminating research results of personal development. The post holder may also contribute to writing bids for research grants and will contribute to collaborative decision making with colleagues in areas of research. Continually to update knowledge and develop skills, and translate knowledge of advances in the area into research activity. To plan and manage own research activity in collaboration with others. To carry out administrative tasks associated with specified research funding, for example risk assessment of research activities, organisation of project meetings and documentation. Implementation of procedures required to ensure accurate and timely formal reporting and financial control. To contribute to teaching in the Faculty by carrying out student supervision and/or demonstrating within the post holder's area of expertise and under the direct guidance of a member of departmental academic staff, as appropriate. The post holder may occasionally be required to supervise more junior research staff.

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Person Specification

The post holder must have:

A doctoral degree in a relevant discipline (although individuals who have almost completed a doctoral degree may be appointed). Consideration may also be given to individuals who do not hold a doctoral degree but have required skills based on a number of years experience in specified / relevant fields

The post holder will have authority over some aspects of project work and must be capable of providing academic judgement, offering original and creative thoughts and be able to interpret and analyse results.

Relationships and Contacts

Direct responsibility to the principal investigator or academic supervisor. The post holder may be asked to serve on a relevant Faculty committee. There may be additional reporting and liaison responsibilities to external funding bodies or sponsors. The post holder may work on original research tasks with colleagues in other institutions.

Special Requirements

To be available to participate in fieldwork as required by the specified research project

All staff are expected to:

- Positively support equality of opportunity and equity of treatment to colleagues and students in accordance with the University of Surrey Equal Opportunities policy.
- Help maintain a safe working environment by:
 - Attending training in Health and Safety requirements as necessary, both on appointment and as changes in duties and techniques demand
 - Following local codes of safe working practices and the University of Surrey Health and Safety Policy
- Undertake such other duties within the scope of the post as may be requested by your Manager.

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Addendum

This document provides additional information relating to both specific aspects of the post/faculty and any post specific person specification criteria. The information contained within this document should always be read in conjunction with the accompanying generic Job Purpose.

Job Title:	Research Fellow in Health Sciences (Modelling Health Outcome Trajectories of Ageing in Place)
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Background Information/Relationships

The post holder will be appointed to work on a project associated with the fellowship 'Modelling Health Outcome Trajectories of Ageing in Place' funded by UKRI Smart Data Research UK and led by Dr Richard Green's Surrey Future Fellowship. The project integrates the Ageing in Place Classification (AiPC), the English Longitudinal Study of Ageing (ELSA), and open longitudinal place-based data resources to model how health and care needs change across England's neighbourhoods as the population ages, producing outputs for use by service commissioners and providers. The post holder will be appointed for a defined period during the fellowship's multilevel modelling and microsimulation integration phase, and will work closely with, and be directly supervised by, Dr Richard Green. They will also have access to a wider interdisciplinary advisory group including expertise in health data science, statistics, ELSA, and microsimulation. The post holder will benefit from structured mentorship, regular supervision, and support to develop their own quantitative research profile.

Person Specification

This section describes the sum total of knowledge, experience & competence required by the post holder that is necessary for standard acceptable performance in carrying out this role. This is in addition to the criteria contained within the accompanying generic Job Purpose.

Qualifications and Professional Memberships	Essential/ Desirable
A postgraduate degree (or equivalent research experience) in statistics, data science, demography, epidemiology, health data science, or a related quantitative discipline. Or to be close to submitting a doctoral thesis in a relevant discipline or be awaiting viva or outcome.	E
Demonstrable experience applying quantitative or statistical methods to longitudinal or panel survey data	E
Proficiency in R (or a comparable statistical programming language, e.g. Python or Stata) for data manipulation and statistical modelling	E
Understanding of multilevel modelling approaches and their application to health, social, or demographic outcomes	E
Strong written and verbal communication skills, including the ability to translate technical or statistical findings clearly for non-specialist audiences	E
Excellent organisational skills, including the ability to manage own workload against a fixed timescale and contribute to project milestones	E

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Experience or familiarity with microsimulation modelling techniques (e.g. multi-state or discrete-time transition models)	D
Experience working with health, ageing, and/or small-area geographical/administrative data	D
Experience working with sensitive or disclosive datasets within a secure data environment (e.g. UK Data Service SecureLab, ONS Secure Research Service), including adherence to data governance and statistical disclosure control principles	D
Key Responsibilities This document is not designed to be a list of all tasks undertaken but an outline record of any faculty/post specific responsibilities. This should be read in conjunction with those contained within the accompanying generic Job Purpose. 1. Support the estimation of multilevel longitudinal models of health state transitions (e.g. functional decline, multimorbidity, care dependency) using linked ELSA and neighbourhood-level datasets within the UK Data Service SecureLab. 2. Contribute to the integration of transition probabilities and neighbourhood-level effects into the English Future Elderly Model (E-FEM). 3. Assist with the preparation and quality assurance of analytical datasets, including documentation of variable definitions and modelling decisions in a data dictionary. 4. Support the development of visual and narrative outputs (e.g. maps, summary tables, plain-language briefings) suitable for service commissioners and providers. 5. Contribute to the planning and delivery of stakeholder-facing outputs and workshops towards the end of the fellowship, as capacity allows. 6. Participate in project team meetings, training, and mentorship activities; adhere to University of Surrey research ethics, data protection, and secure working procedures throughout all project activities. N.B. The above list is not exhaustive.	