RESEARCH ASSISTANT OR RESEARCH FELLOW



Job Title:	Research Assistant or Research Fellow in Survey Data and Nutrition
Department:	Population Health
Faculty:	Epidemiology and Population Health
Location:	Keppel Street
FTE:	1 FTE
Grade:	Research Assistant Grade 5 or Research Fellow Grade 6
Accountable to:	Head of Department through Principal Investigator of the Micronutrient Action Policy Support (MAPS) project (Edward Joy)
Job Summary:	The postholder will process household survey data and integrate it into the MAPS tool, and lead subsequent analyses of population micronutrient deficiency risks and intervention scenarios. The postholder will work in close collaboration with existing members of the MAPS team, building on methods and approaches developed in the project. The successful candidate is expected to take a lead role in the analysis and publication of empirical research in high impact peerreviewed journals. There is increasing use of household survey data for nutrition analyses. Through the Agriculture, Nutrition and Health (ANH) Academy and working in collaboration with other research groups, the postholder will collate a set of resources and create new learning materials to enable a wider set of researchers, including early career researchers in low- and middle- income countries, to work effectively with household survey data in support of their research priorities.

GENERAL INFORMATION

The London School of Hygiene & Tropical Medicine

The London School of Hygiene & Tropical Medicine (LSHTM) is renowned for its research, postgraduate studies and continuing education in public and global health.

Our mission is to improve health and health equity in the UK and worldwide; working in partnership to achieve excellence in public and global health research, education and translation of knowledge into policy and practice.

We embrace and value the diversity of our staff and student population and seek to promote equity, diversity and inclusion as essential elements in contribution to improving health worldwide. We believe that when people feel respected and included, they can be more creative, successful, and happier at work. While we have more work to do, we are committed to building an inclusive workplace, a community that everyone feels a part of, which is safe, respectful, supportive and enables all to reach their full potential.

History

Founded in 1899 at the London Docks, LSHTM is now based in Bloomsbury, where it has two main sites at Keppel Street and Tavistock Place, and additional sites in The Gambia and Uganda. Today, our staff, students and alumni work in government, academia, international agencies and health services across the world. Learn more about the history of LSHTM.

Research

Research income has grown to more than £180 million per year from national and international funding sources including UK government and research councils, the European Union, the Wellcome Trust, Gates Foundation and other philanthropic sources.

Our diverse research talents, skills and experience underpin our position as a leader in public and global health. These range from the molecular to the global, the theoretical to the applied, the analytical to the political. Our staff are conducting research in more than 100 countries.

Staff community

We have 3,300 staff based all around the world with core hubs in London and at the MRC Units in The Gambia and Uganda, which joined LSHTM in February 2018. Our outstanding, diverse and committed staff make an impact where it is most needed - deploying research in real time in response to crises, developing innovative programmes for major health threats, or training the next generations of public and global health leaders and researchers.

Partnerships

Working in partnership is central to achieving our mission. Our strategic collaborations in the UK and across high-, middle- and low-income countries deliver health and socioeconomic benefits across the world, especially in the most disadvantaged communities.

LSHTM is also a member of the M8 Alliance of Academic Health Centers, Universities and National Academies, the Association of Schools of Public Health in the European Region, and the Consortium of Universities for Global Health.

Education

We deliver research-led educational programmes to future health leaders, managers and researchers across the world. We have more than 1,200 face-to-face Master's and Doctoral students, 3,000 studying by distance learning, and 1,000 each year on short courses and continuous professional development. Our free online courses are studied by more than 270,000 participants globally.

Excellence in research and education

We perform strongly in various global university league tables. In the ShanghaiRanking's Global Ranking of Academic Subjects 2020 we placed 3rd in public health (1st in the UK). In the 2020 CWTS Leiden Ranking LSHTM is ranked the UK's top university for the proportion of academic research with women listed as authors, and third in Europe for publishing open access research.

In the US News Best Global Universities Ranking 2021, we ranked 3rd in the world for public, environmental & occupational health, 4th in the world for infectious diseases, 11th in the world for social sciences & public health, and 12th best University in the UK overall. We ranked 27th for medicine in the 2019 QS World University Rankings.

In 2017, the inaugural Center for World University Rankings by Subject placed LSHTM first in the world for tropical medicine research, second for parasitology and seventh for infectious diseases, public, environment and occupational health, and social sciences and biomedical.

LSHTM was named University of the Year 2016 by Times Higher Education and awarded a Queen's Anniversary Prize for Higher and Further Education in 2017 in recognition of

our response to the 2014 Ebola epidemic in West Africa. LSHTM does not appear in the Times Higher Education World University Rankings as universities are excluded if they do not teach undergraduates.

We seek to foster and sustain a creative and supportive working environment based upon an ethos of respect and rigorous scientific enquiry. We embrace and value the diversity of our staff and student population and seek to promote equality as an essential element in contribution to improving health worldwide.

LSHTM is one of around 20 specialist institutions that receive institution specific funding from the Office for Students (OfS). This funding recognises the additional costs that LSHTM incurs because of its unique range of teaching, specialist facilities, and the scale of its contributions to national and international agencies.

FACULTY INFORMATION

The Faculty of Epidemiology & Population Health (EPH) houses a large group of epidemiologists, demographers, statisticians and nutritionists working on issues of major public health importance in the UK and globally. EPH has approximately 400 staff members organised into four research departments.

- Department of Infectious Disease Epidemiology
- Department of Medical Statistics
- Department of Non-communicable Disease Epidemiology
- Department of Population Health

The Faculty has a teaching programme consisting of ten MSc courses: Epidemiology, Demography and Health, Medical Statistics, Public Health for Development (run jointly with the Faculties of Infectious & Tropical Diseases and Public Health & Policy), Nutrition for Global Health, Reproductive & Sexual Health Research, Veterinary Epidemiology (run jointly with the Royal Veterinary College), Global Mental Health (run jointly with Kings College London - Institute of Psychiatry) and the Distance Learning courses in Epidemiology, Clinical Trials and Demography in Health. The Faculty also has approximately 120 research students studying for an MPhil, PhD or DrPH degree.

The Dean of Faculty is Professor Elizabeth Allen.

DEPARTMENT OF POPULATION HEALTH

The Department of Population Health aims to bring important benefits to global population health and health equity by generating, evaluating and disseminating effective interventions, treatments and policies. It is a centre of excellence in the determinants and consequences of population change.

Our research involves epidemiology, drug trials, complex intervention development and trials, demography, research on the mechanisms of disease, treatments and interventions, qualitative research and systematic reviews of evidence. We work on some of the largest public health issues in the world including: climate change and planetary health, Covid-19, demography, emergency care, global mental health, maternal, newborn and child health (MNCH), nutrition, non-communicable disease and sexual and reproductive health (SRH). The Department of Population health has strong links with the Malawi Epidemiology and Intervention Research Unit (MEIRU), the MRC unit the Gambia, international agencies and a large network of overseas research collaborators.

The Co-Heads of Department are Professor Caroline Free and Professor Jim Todd

THE MICRONUTRIENT ACTION POLICY SUPPORT (MAPS) PROJECT

Dietary micronutrient deficiencies are widespread globally, with greatest prevalence in low-income countries. Micronutrient deficiencies impair growth, cognitive development and immune function, and women and children are at greatest risk of negative health outcomes. The Micronutrient Action Policy Support (MAPS) project – led by the University of Nottingham with funding from the Bill & Melinda Gates Foundation – is developing a new tool to inform decisions in micronutrient programming and policy. The web-based tool will draw on existing datasets including large surveys of household food consumption,

crop micronutrient composition and biomarkers of micronutrient status to generate best-possible estimates of population micronutrient deficiencies, and to communicate these predicted deficiency risks and associated uncertainties in appropriate ways for uptake in policy and programme design. The current focus of the MAPS tool is in Ethiopia, Malawi, Nigeria, Burkina Faso and India. The tool will have a forecasting component built in through integration with the International Food Policy Research Institute IMPACT model, and furthermore will allow users to explore the cost effectiveness of different potential interventions to alleviate micronutrient deficiencies. Potential intervention routes include through dietary diversification, food fortification and biofortification.

THE INNOVATIVE METHODS AND METRICS FOR NUTRITION ACTIONS (IMMANA) PROJECT

Innovative Methods and Metrics for Agriculture and Nutrition Actions (IMMANA) is a research initiative led by the London School of Hygiene & Tropical Medicine in partnership with Friedman School of Nutrition Science and Policy, Tufts University and University of Sheffield. IMMANA (now in its second phase) is a five-year programme is funded by the UK Aid from the UK Government and the Bill & Melinda Gates Foundation. IMMANA's objectives are to:

- Stimulate validation and continued development of innovative methodological approaches and novel metrics in agriculture and food systems for improved health and nutrition
- 2. Deepen and expand the pool of emerging leaders skilled in developing and applying cutting-edge methods and metrics
- Convene a global research network the ANH Academy to facilitate learning, sharing and new interdisciplinary research collaborations and policy uptake of emerging evidence
- 4. Synthesize and facilitate the uptake of existing data and scientific evidence to inform policies and investments in agriculture and food systems for improved nutrition and health.

To achieve these objectives three inter-locking and synergistic programme workstreams have been established:

- Competitive Research Grants directed at accelerating the development of new and innovative interdisciplinary metrics and methods, filling the key knowledge gaps including theory-driven impact evaluation;
- Research Fellowships for Early Career Scientists directed at building a cadre of early career researchers who are using and developing/adapting new methodological approaches with mentors in ongoing research programmes in LMICs; and
- 3. The Agriculture, Nutrition and Health Academy a global research network that links researchers and research groups with activities including:
 - A synthesis centre for data, tools, methods and metrics
 - Strengthening the capacity of academic institutions to offer curriculum enrichment opportunities on ANH related topics in Africa and South Asia
 - A mentorship scheme for early career researchers in LMICs
 - Convening of Annual Academy Weeks

The portfolio of duties outlined below will vary in accordance with the detailed expectations of the role (attached), which may be varied from time to time, and agreed at your annual Performance and Development Review (PDR).

JOB DESCRIPTION

Main Activities and Responsibilities

KNOWLEDGE GENERATION Research Assistant

- To undertake high quality research as directed by your line manager, including contributing to drafting grant proposals and peer-reviewed and other outputs and evaluating teaching practice;
- To support the administration of projects linked to your employment, helping ensure compliance with good practice in relation to the conduct of research, the ethics policy, and other relevant School policies;
- 3. Building on existing methods, to create and publish new household survey data processing and analysis scripts.

Research Fellow

- To undertake high quality research & scholarship, including contributing to drafting major grant proposals and/or leading on drafting small grant proposals and evaluating teaching practice;
- 2. To contribute to peer-reviewed publications and other outputs, including as lead author;
- 3. To make a contribution to doctoral student supervision, as appropriate to qualifications and experience;
- To manage small grants or elements of larger grants, ensuring compliance with good practice in relation to the conduct of research, the ethics policy and other relevant School policies;
- 5. Building on existing methods, to create and publish new household survey data processing and analysis scripts.

EDUCATION Research Assistant

To participate in some aspects of the School's Education Programme or educational outreach activities:

Research Fellow

- To contribute to the delivery of high quality, inclusive, research-informed teaching and assessment in relation to your specific subject and within the broader area covered by your department and disciplinary field;
- To contribute to the improvement of the quality of the School's education, by participating in the development of new and updated learning and teaching materials or approaches;
- 2. To support the development of training
- 3. To support the development of training

materials for the processing and analysis of nutrition-related datasets, and support the dissemination and uptake of these training materials among project partners including through curriculum development activities. materials for the processing and analysis of nutrition-related datasets, and support the dissemination and uptake of these training materials among project partners including through curriculum development activities.

INTERNAL CONTRIBUTION

Research Assistant

- To undertake activities that support the Department, Faculty, MRC Unit or the School;
- 2. To reflect LSHTM's EDI goals in your work and behaviour;
- 3. To participate in the School's PDR process;

Research Fellow

- To undertake activities that support the Department, Faculty, MRC Unit or the School;
- 2. To reflect LSHTM's EDI goals in your work and behaviour;
- 3. To participate in the School's PDR process

EXTERNAL CONTRIBUTION

Research Assistant

- To demonstrate good external citizenship by supporting the external academic and practice communities;
- To contribute substantially to the ANH
 Academy activities including to lead the
 development and enaction of a learning hub,
 for researchers and public health nutrition
 professionals working with household survey
 data.

Research Fellow

- 1. To demonstrate good external citizenship by contributing to learned society/conference events, journal and grant reviews etc...
- To contribute substantially to the ANH
 Academy activities including to lead the
 development and enaction of a learning hub,
 for researchers and public health nutrition
 professionals working with household survey
 data.

PROFESSIONAL DEVELOPMENT & TRAINING

Research Assistant

- To keep up-to-date with the latest research/thinking in your academic field and with changes to pedagogic practice within the School and more generally;
- For lab-based disciplines: where the length and nature of the position permits, to apply for and, if accepted, undertake a doctoral degree (if not already acquired);
- 3. To undertake and successfully complete the mandatory training required by the School as appropriate to the role;

Research Fellow

- To keep up to date with the latest research/thinking in your academic field and with changes to pedagogic practice within the School and more generally;
- Where the length and nature of the position permits, to apply for and, if accepted, undertake a doctoral degree (if not already acquired);
- To undertake and successfully complete the mandatory training required by the School appropriate to the role;

GENERAL

All academic staff are free within the law to question and test received wisdom, and put forward new ideas and controversial or unpopular opinions, to enable the School to engage in research and promote learning to the highest possible standards.

All staff at LSHTM are also expected to:

- 1. Act at all times in the School's best interests;
- 2. Treat School staff, students and visitors with courtesy and respect at all times;
- 3. Comply fully with School policies, procedures and administrative processes relevant to the role, including when acting as Principal Investigator, accepting academic, managerial, financing and ethical responsibility for a project
- 4. Uphold and support the School's values (as set out in the School Strategy);
- 5. Act as ambassadors for the School when hosting visitors or attending external events.

The above list of duties is not exclusive or exhaustive and the role holder will be required to undertake such tasks as may reasonably be expected within the scope and grading of the role.

Role descriptions should be regularly reviewed to ensure they are an accurate representation of the role.

[JUL 2021]

PERSON SPECIFICATION

This form lists the essential and desirable requirements needed by the post holder to be able to perform the job effectively.

Applicants will be shortlisted solely on the extent to which they meet these requirements.

ESSENTIAL CRITERIA:

Research Assistant

- MSc degree in public health nutrition or a related field with advanced training in quantitative analyses.
- 2. Relevant experience in analysis of survey statistics.
- 3. Evidence of good organisational skills, including effective time management.
- 4. Proven ability to work independently, as well as collaboratively as part of a research team.
- 5. Evidence of excellent interpersonal skills, including the ability to communicate effectively both orally and in writing.
- Proven experience of merging, managing and analysing large, multiple and complex datasets.
- 7. Demonstrated fluency working in the R environment for data processing and analysis.

DESIRABLE CRITERIA

Research Assistant

- 1. Some experience of teaching
- 2. Experience of conducting peer-to-peer training, working in the R environment.

Research Fellow

- 1. A postgraduate degree, ideally a doctoral degree in public health nutrition or a related field with advanced training in quantitative analyses.
- Relevant experience and track record in publishing outputs from the analysis of survey statistics.
- Contributions to written output, preferably peer-reviewed, as expected by the subject area/discipline in terms of types and volume of outputs.
- 4. Proven ability to work independently, as well as collaboratively as part of a research team, and proven ability to meet research deadlines.
- 5. Evidence of excellent interpersonal skills, including the ability to communicate effectively both orally and in writing
- 6. Evidence of good organizational skills, including effective time management
- 7. Demonstrated fluency working in the R environment for data processing and analysis.

Research Fellow

- 1. Some experience of contributing to research grant applications.
- 2. Some experience of teaching and assessment.
- Some experience of supervising and supporting junior researchers and/or research degree students, and nonacademic staff
- 4. Experience of conducting peer-to-peer training, working in the R environment.

E-Essential: Requirement without which the job could not be done D-Desirable: Requirements that would enable the candidate to perform the job well

SALARY AND CONDITIONS OF APPOINTMENT

The post is available immediately and funded until 31 October 2023. The salary will be on the Academic scale, Grade 5 scale in the range £35,377 - £40,611 per annum or Grade 6 scale in the range £40,611 - £46,119 (inclusive of London Weighting). The post will be subject to the LSHTM terms and conditions of service. Annual leave entitlement is 30 working days per year, pro rata for part time staff. In addition to this there are discretionary "Wellbeing Days". Membership of the Pension Scheme is available.

Applications should be made on-line via our website at http://jobs.lshtm.ac.uk.
Applications should also include the names and email contacts of 2 referees who can be contacted immediately if shortlisted. Online applications will be accepted by the automated system until 10pm of the closing date. Any queries regarding the application process may be addressed to jobs@lshtm.ac.uk.

The supporting statement section should set out how your qualifications, experience and training meet each of the selection criteria. Please provide one or more paragraphs addressing each criterion. The supporting statement is an essential part of the selection process and thus a failure to provide this information will mean that the application will not be considered. An answer to any of the criteria such as "Please see attached CV" will not be considered acceptable.

Please note that if you are shortlisted and are unable to attend on the interview date it may not be possible to offer you an alternative date.

ASYLUM AND IMMIGRATION STATEMENT

The School will comply with current UKVI legislation, which requires all employees to provide documentary evidence of their legal right to work in this country prior to commencing employment. Candidates will be required to email a copy of their passport (and visa if applicable) to HR prior to their interview and if appointed will be asked to bring the original documents in to be copied and verified before their start date.

Applications from candidates who require sponsorship to work in the UK will be considered alongside other applications. Applicants who do not currently have the right to work in the UK will have to satisfy UK Visas & Immigration regulations before they can be appointed.

Further information about Sponsorship and eligibility to work in the UK, can be found at: https://www.gov.uk/guidance/immigration-rules/immigration-rules-appendix-skilled-worker

Date amended: JUL 2021

Academic Expectations: Research Assistant

Examples of expected types of activities are listed; the selection of activities will vary from year to year and not all activities in each category would necessarily be done in any one year. The statement in each shaded heading summarises the general expectations for contributions in each category. Research Assistants employed on research projects will be expected to focus on Knowledge Generation, in accordance with their job description, but some activity in other areas is required and will support career progression. Research Assistants predominantly employed to support Education will be expected to have more limited contribution to Knowledge Generation, again as reflected in their job description.

Knowledge generation: High quality support for, and contribution to, knowledge generation

Research and scholarship

- Undertaking research, as directed by line manager
- Contributions to funding applications including supporting more senior staff in completing applications
- Contributing to peer-reviewed and other research outputs as expected by the subject area/discipline in terms of types of output
- Poster/oral presentations at conferences
- Social media contributions such as twitter, blogs, web-based media or webinars

Reflective practice and critical enquiry (RPaCE)

- Participating in RPaCE
- Disseminating learning and experiences through presentations to colleagues

Doctoral degree supervision

 None expected though involvement in advisory activities/roles or provision of practical skills training is encouraged where relevant

Research management, leadership and support

- Effective management of own time and activities
- Supporting the administration of projects he/she is employed on, eg taking meeting minutes

Professional development

- Appropriate courses and other development activities, referenced to RDF
- Especially for lab-based disciplines: where the length, nature and funding source of the position permit, to apply for and, if accepted, undertake a doctoral degree (if not already acquired).

Education: Participation in educational activities1

Teaching and assessment

 Participation in some aspects of the School's Education Programme or education outreach activities e.g. contributions to taught courses, research methods training, mentoring school pupils on outreach programmes

Educational development and innovation

 Contributions to educational innovations or developments, e.g. helping to update the content or delivery of a course or module

Educational leadership and management

None expected

Professional development

 Formal study/training and/or other activities that develop educational knowledge and expertise, referenced to UKPSF; working towards Associate Fellow HEA

Internal contribution: Support to the academic environment in the Department or beyond

Internal citizenship including contributing to supportive academic environment

 Supporting Department/Faculty/Centre/School events or special interest groups; organising seminars/lab meetings/journal clubs; group or departmental social organising; support to EDI activities including Athena Swan; support to external partnerships

General leadership and management roles

None expected

External contribution: Support to the external academic community

External citizenship

- Involvement in journal or book reviews, if opportunities arise
- Sharing examples of good practice (e.g. contributing to discipline-specific interest group or professional bodies)

Knowledge translation and enterprise: not expected but options include

- Collection of evidence of research impact for impact case studies (e.g. policy records, correspondence with policy makers, media highlights)
- Engagement with policy/practice/industry/NGO communities and with the general public

¹ it is accepted that some RA roles and/or funding make it difficult to give time to Educational activities, but some degree of engagement is encouraged

Academic Expectations: Research Fellow

Examples of expected types of activities are listed; the selection of activities will vary from year to year and not all activities in each category would necessarily be done in any one year. The statement in each shaded heading summarises the general expectations for contributions in each category. Research Fellows employed on research projects will be expected to focus on Knowledge Generation, in accordance with their job description, but some activity in other areas is required and will support career progression. Research Fellows predominantly employed to support Education will be expected to focus on Education, again as reflected in their job description.

Knowledge generation: Independent contributions and a clear trajectory towards excellence in knowledge generation

Research and scholarship

- Undertaking research
- Working with PIs to draft grant proposals and/or leading writing of small grants, work packages or sections of larger proposals or personal fellowship applications
- Contributing to peer-reviewed and other research outputs, including as first author, as expected by the subject area/discipline in terms of types of output
- Poster/oral presentations at relevant conferences, translation of research findings into educational materials
- · Social media contributions such as twitter, blogs, web-based media or webinars

Reflective practice and critical enquiry (RPaCE)

- Contributing to RPaCE activities
- Designing evaluation studies
- Disseminating learning and experiences through presentations, blogs etc
- Contributing to enhancing teaching practice of others: e.g. mentoring, teaching observation and feedback

Doctoral degree supervision

 For RFs with Doctorate, some contribution to doctoral degree supervision is encouraged (e.g. specialist skills training; ad hoc advice; advisory committees).
 RFs without a Doctorate may also advise in areas of specialist knowledge

Research management, leadership and support

- Effective management of own time and activities
- Management of small research grants or elements of larger grants, including management of data collection and relationships with research collaborators, supporting/mentoring colleagues, support to grants management

Professional development

- Courses and other professional development activities, referenced to RDF
- Where the length, nature and funding source of the position permit, to apply for and, if accepted, undertake a doctoral degree (if not already acquired)

Education: Basic competence in teaching and assessment

Teaching and assessment

 Research-informed teaching and assessment contributions (e.g. contributions to modules, MSc project supervision)

Educational development and innovation

Contributing to the development of new educational materials, learning opportunities or assessments approaches

Education leadership and management

None expected

Professional development

 Participation in professional development activities referenced to UKPSF (e.g. HEA, PGCILT, preparation for doctoral degree supervision, shadowing more experienced colleagues); acquiring Associate Fellow HEA

Internal contribution: Contributions to School functioning and development

Internal citizenship including contributing to supportive academic environment

- Contributing to at least one Department, Faculty, School, or Centre event or special interest group in any one year, including EDI activities;
- Taking on role as Digital Champion or Decolonising the Curriculum facilitator;
 Supporting external School collaborations/partnerships (beyond own research or education role) where relevant
- Support to others' success (eg careers advice to students)

School leadership and management roles

None expected

External contribution: Contribution beyond the School

External citizenship

 Contributing to learned society/conference events, journal and grant reviews etc.

Knowledge translation and enterprise: not expected but options include:

- Collecting evidence of research impact for impact case studies (e.g. policy records, correspondence with policy makers, media highlights)
- Engaging with policy/practice/industry/NGO communities and the general public
- Supporting MOOCs/OERs or other (e.g. educational) outreach