

ASSISTANT PROFESSOR



Job Title:	Assistant Professor or Associate Professor
Department:	Infectious Disease Epidemiology & International Health
Faculty:	Epidemiology & Population Health
Location:	Keppel Street, London, UK
FTE:	0.4
Grade:	Assistant Professor Grade 7 or Associate Professor Grade 8
Accountable to:	Professor Anthony Scott
Job Summary:	<p>The NIHR Health Protection Research Unit (HPRU) in Vaccines and Immunisation is recruiting an epidemiologist with expertise in analysing electronic health records to act as a research theme lead at LSHTM.</p> <p>The NIHR HPRU in Vaccines and Immunisation is a partnership between the UK Health Security Agency (UKHSA) and the London School of Hygiene and Tropical Medicine, in collaboration with the University of Cambridge and University College London.</p> <p>The HPRU has four research disciplines:</p> <ul style="list-style-type: none"> Discipline 1. Surveillance, Epidemiology, Electronic Health Records Research, Big Data Discipline 2. Infectious Disease Modelling, Economic Modelling, Systems Modelling Discipline 3. Social Science and Health Systems Research, and Artificial Intelligence Discipline 4. Vaccine Immunity and Sero-epidemiology <p>Each discipline contributes work across four research themes:</p> <ul style="list-style-type: none"> Theme 1. Improving vaccine coverage across the life course Theme 2. Making better use of data Theme 3. Accelerating new vaccine introduction & streamlining schedules Theme 4. Resilience, response, and pandemic preparedness <p>Together with Edward Parker at LSHTM, the post-holder will co-lead Discipline 1 (<i>Surveillance, Epidemiology, Electronic Health Records Research, Big Data</i>). The post-holder will also act as co-lead of Theme 1 (<i>Improving vaccine coverage across the life course</i>) with Julie Yates at UKHSA, but will contribute to projects across themes.</p> <p>The HPRU aims to increase vaccine coverage and support a data-driven immunisation programme by making the most of digital technologies and linked electronic health records. Discipline 1's research programme includes studies of inequalities in infectious disease burden and vaccine uptake; vaccine safety, effectiveness and impact; and approaches to better use of data in delivery and evaluation of the immunisation programme.</p> <p>Responsibilities will include:</p> <ul style="list-style-type: none"> • Delivering the HPRU Discipline 1 research programme by

	<p>conducting observational studies of vaccine uptake, safety and effectiveness, and the burden of vaccine-preventable disease using electronic health records;</p> <ul style="list-style-type: none"> • (If applicable) Providing clinical input into study design and interpretation, otherwise liaising with clinicians to arrange this; • Co-leading and managing Discipline 1 of the HPRU at LSHTM including line-managing HPRU Theme 1 team member(s) at LSHTM; • Supervision of HPRU PhD students; • Disseminating findings through journal articles, reports (for example to the Joint Committee on Vaccination and Immunisation), and presentations including the annual UKHSA conference; • Contributing to HPRU patient and public involvement and engagement; • Teaching, including supervising MSc students on HPRU projects. <p>The successful candidate will be an epidemiologist with expertise in conducting and leading epidemiological studies using UK linked electronic health records, including the Clinical Practice Research Datalink (CPRD) and preferably other platforms such as OpenSAFELY. Ability to contribute clinical expertise to studies (e.g. during the preparation of codelists and algorithms to define clinical subgroups) would be regarded favourably, as would experience or research skills particularly relevant to vaccine epidemiology (such as conducting target trial emulations or self-controlled case series).</p> <p>The post holder will work in close partnership with UKHSA colleagues, and with colleagues across LSHTM including the HPRU, the Electronic Health Records group and the Vaccine Centre. The postholder will also be expected to maintain and build on existing HPRU partnerships with external collaborators such as the Medicines and Healthcare products Regulatory Agency (MHRA) and other NIHR Health Protection Research Units.</p>
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General Information

The London School of Hygiene & Tropical Medicine (LSHTM) is one of the world's leading public health universities.

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.

Staff and students are committed to helping create a more healthy, sustainable and equitable world for everyone, because we believe our shared future depends on our shared health.

We embrace and value the diversity of our staff and student population and seek to promote equity, diversity and inclusion as essential elements to improve 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.

To find out more please visit our [Introducing LSHTM page](#).

Our Values

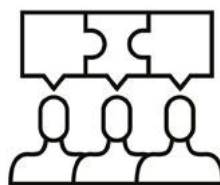
Our values establish how we aspire to achieve our mission both now and in the future - demonstrating what it means to work and study at LSHTM. Please visit our [LSHTM Values page](#) for further information.



**Act with
integrity**



**Embrace
difference**



**Work
together**



**Create
impact**

Faculty Information

The Faculty of Epidemiology & Population Health (EPH) houses a large group of epidemiologists, demographers, statisticians and nutritionists working on major issues of importance to public health provision in the UK and globally. EPH employs approximately 560 people in five research departments.

- Department of Infectious Disease Epidemiology & Dynamics
- Department of Infectious Disease Epidemiology & International Health
- Department of Medical Statistics, which includes the Clinical Trials Unit
- Department of Non-communicable Disease Epidemiology
- Department of Population Health

The Faculty has a postgraduate teaching programme including eleven intensive MSc courses: Epidemiology, Demography and Health, Medical Statistics, Health Data Science, Public Health for Development (jointly with Faculties of Infectious & Tropical Diseases and Public Health & Policy), Nutrition for Global Health, Global Mental Health (jointly with Kings College London, Institute of Psychiatry), Reproductive & Sexual Health Research, Sexual & Reproductive Health Policy and Practice (online), Veterinary Epidemiology (run jointly with the Royal Veterinary College) and Climate Change and Planetary Health. There are also two Distance Learning MSc courses: Epidemiology and Clinical Trials. The Faculty also has approximately 220 research students studying for an MPhil, PhD or DrPH degree.

The Dean of Faculty is Professor Elizabeth Allen.

Department Information

The Department of Infectious Disease Epidemiology and International Health conducts research on the epidemiology and control of infectious diseases, and other topics relevant for global public health. Work is carried out in low-, middle- and high-income countries, including in the United Kingdom, in close collaboration with country partners and global stakeholders.

The Department has research groups working on maternal, perinatal and child health; adolescent health; infectious diseases including HIV, tuberculosis, malaria and Neglected Tropical Diseases; vaccines; and humanitarian crises. Most staff have a disciplinary training in epidemiology or medical statistics, and a background in one or more of biology, medicine, mathematics, or social science.

The Department works closely with the Department of Infectious Disease Epidemiology & Dynamics.

The Department Heads are Professor Oona Campbell and Professor Sian Floyd.

NIHR Health Protection Research Unit in Vaccines and Immunisation

In partnership with UKHSA, Cambridge University and University College London, the London School of Hygiene & Tropical Medicine has been awarded funding from the National Institute for Health Research (NIHR) and the Department of Health to run a [Health Protection Research Unit \(HPRU\) in Vaccines and Immunisation](#). The objectives of the HPRU are to reverse the decline in immunisation coverage in children, increase vaccine uptake in adults and reduce inequalities in the vaccine service through world-class research.

Within the programme of work of the HPRU, Discipline 1 (*Surveillance, Epidemiology, Electronic Health Records Research, Big Data*) aims to support UKHSA to achieve increased vaccine coverage and a data-driven immunisation programme by making the most of digital technologies and electronic health records.

The HPRU in Vaccines and Immunisation also comprises: Discipline 2 (*Infectious Disease Modelling, Economic Modelling, Systems Modelling*); Discipline 3 (*Social Science and Health Systems Research, and Artificial Intelligence*); and Discipline 4 (*Vaccine Immunity and Sero-epidemiology*).

The HPRU in Vaccines and Immunisation also has a remit for research capacity development, and a strong programme of Public and Community Involvement, Engagement and Participation.

The portfolio of duties outlined below will vary in accordance with the academic expectations of the role, 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

Assistant Professor

1. To deliver high quality research & scholarship in your field of study, individually and in collaboration with others, by applying for external grants/fellowships from good¹ research funders, publishing peer-reviewed outputs as lead and co-author and evaluating teaching practice;
2. To contribute to doctoral student supervision;
3. To manage research grants and promote and ensure compliance with good practice in relation to the conduct of research, the ethics policy, and other relevant LSHTM policies;
4. To support the development of early-career researchers;
5. To deliver the research programme for Discipline 1 (*'Surveillance, Epidemiology, Electronic Health Records Research, Big Data'*) of the HPRU in Vaccines and Immunisation, by conducting observational studies of vaccine epidemiology using electronic health records from a range of sources including the Clinical Practice Research Datalink (CPRD) and OpenSAFELY.

Associate Professor

1. To deliver high quality research & scholarship in your field of study, individually and in collaboration with others, by developing and maintaining a research grant portfolio from good² research funders, publishing peer-reviewed outputs and generating and securing (where relevant) intellectual property, and evaluating teaching practice;
2. To participate in doctoral student supervision and examination;
3. To lead and manage research teams and promote and ensure compliance of self and others with good practice in relation to the conduct of research, the ethics policy, inclusivity and other relevant LSHTM policies;
4. To support the development of early-career researchers;
5. To deliver the research programme for Discipline 1 (*'Surveillance, Epidemiology, Electronic Health Records Research, Big Data'*) of the HPRU in Vaccines and Immunisation, by conducting observational studies of vaccine epidemiology using electronic health records from a range of sources including the Clinical Practice Research Datalink (CPRD) and OpenSAFELY.

¹ Good research funders are: Research Councils; Government Departments; NIHR; National and overseas charities recognised by HEFCE for QR; Overseas research councils or equivalent including NIH; EU; other agencies (eg NGOs, commercial companies) supporting commissioned research that is consistent with LSHTM's mission and meets LSHTM's cost recovery targets

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6. To work in partnership with UKHSA to develop joint research project plans and grant application(s);
7. To disseminate research findings through journal articles, conferences (including the annual UKHSA conference) and reports to relevant stakeholders, including delivering presentations and reports to JCVI with short deadlines as required.

6. To work in partnership with UKHSA to develop joint research project plans and grant application(s);
7. To disseminate research findings through journal articles, conferences (including the annual UKHSA conference) and reports to relevant stakeholders, including delivering presentations and reports to JCVI with short deadlines as required.

Education

Assistant Professor

1. To deliver high quality, inclusive, research-informed teaching and assessment in relation to your specific subject and within the broader area covered by your department/disciplinary field;
2. To contribute to the improvement of the quality and inclusivity of LSHTM's education, by participating in the development of new and updated learning and, teaching materials or approaches, and/or improving assessment practices, and/or improving aspects of the student experience;
3. To support educational leadership and management by active participation in selected aspects of the curriculum, as appropriate, and by collaborating with professional services staff, centrally and in the Faculty, in carrying out relevant administrative processes;
4. To recruit and supervise PhD students on projects associated with Discipline 1 of the HPRU in Vaccines and Immunisation.
5. To recruit and supervise MSc students on summer projects associated with Discipline 1 of the HPRU in Vaccines and Immunisation.

Associate Professor

1. To deliver high quality, inclusive education and assessment in relation to your specific subject and within the broader area covered by your department and disciplinary field;
2. To contribute to the improvement of the quality and inclusivity of LSHTM's education, by participating in the development and review of new and updated learning and teaching materials or approaches, and/or improving assessment practices, and/or improving aspects of the student experience;
3. To support educational leadership and management by active participation in Faculty and Programme or curriculum leadership roles, as appropriate, and by collaborating with professional services staff both centrally and in the Faculty office in carrying out relevant administrative processes;
4. To recruit and supervise PhD students on projects associated with Discipline 1 of the HPRU in Vaccines and Immunisation.
5. To recruit and supervise MSc students on summer projects associated with Discipline 1 of the HPRU in Vaccines and Immunisation.

Internal Contribution

Assistant Professor

Associate Professor

1. To undertake activities that support the Department, Faculty, MRC Unit or LSHTM, including Committee membership;
2. To reflect LSHTM's EDI goals in your work and behaviour;
3. To participate in own PDR and undertake those of others;

4. To lead Discipline 1 management in support of the HPRU Director, including: presentations at internal management meetings, preparing annual business plans, reports to the funder and forward business plans for Discipline 1 overall; budget planning with the Project Co-ordinator; and line managing the Discipline 1 HPRU team at LSHTM;
5. To build and maintain internal HPRU research collaborations by engaging with relevant research groups at LSHTM such as the Electronic Health Records Research Group and the Vaccine Centre.

1. To demonstrate good internal citizenship by undertaking PDRs and promoting staff development, and by participating in the recruitment, mentoring and support of more junior colleagues as appropriate;
2. To participate in the activities of LSHTM committees and undertake a leadership or administrative role at LSHTM/Faculty/Department/MRC Unit level, as appropriate;
3. To proactively demonstrate LSHTM's EDI goals in your work and behaviour;

4. To lead Discipline 1 management in support of the HPRU Director, including: presentations at internal management meetings, preparing annual business plans, reports to the funder and forward business plans for Discipline 1 overall; budget planning with the Project Co-ordinator; and line managing the Discipline 1 HPRU team at LSHTM;
5. To build and maintain internal HPRU research collaborations by engaging with relevant research groups at LSHTM such as the Electronic Health Records Research Group and the Vaccine Centre.

External Contribution

Assistant Professor

1. To demonstrate good external citizenship by contributing to the external academic community;
2. To promote knowledge translation and enterprise by participating in networks and activities that disseminate research-based knowledge beyond academia;
3. To maintain and build on HPRU research collaborations with external collaborators such as the Medicines and Healthcare products Regulatory Agency (MHRA) and other Health Protection Research Units.
4. To contribute to the HPRU in Vaccine and Immunisation's public involvement and engagement activities;

Associate Professor

1. To demonstrate good external citizenship by linking with and supporting appropriate external organisations;
2. To promote knowledge translation and enterprise by exploiting academic knowledge beyond academia;
3. To maintain and build on HPRU research collaborations with external collaborators such as the Medicines and Healthcare products Regulatory Agency (MHRA) and other Health Protection Research Units.
4. To contribute to the HPRU in Vaccine and Immunisation's public involvement and engagement activities;

5. To present evidence of research impact for Discipline 1 for the NIHR HPRU in Vaccine and Immunisation, including annual impact case studies.

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Professional Development and Training

Assistant Professor

1. To keep up-to-date with the latest research/thinking in your academic field and with changes to pedagogic practice within LSHTM and more generally;
2. To undertake and successfully complete the mandatory training required by LSHTM appropriate to the role;

Associate Professor

1. To keep up-to-date with the latest research/thinking in your academic field and with changes to pedagogic practice within LSHTM and more generally;
2. To undertake and successfully complete the mandatory training required by LSHTM 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 LSHTM 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 LSHTM's best interests;
2. Treat staff, students and visitors with courtesy and respect at all times;
3. Comply fully with LSHTM's 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 LSHTM's values (as set out in the LSHTM Strategy);
5. Act as ambassadors for LSHTM when hosting visitors or attending external events;

Academic Expectations

All academic roles have a statement of academic expectations attached to each level. Please ensure that these have been read and understood. For further information please refer to the [Academic Expectations page](#).

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.

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:

Assistant Professor

1. A doctoral degree in a relevant topic.
2. Expertise in leading, designing, analysing and interpreting epidemiological studies using relevant UK electronic health record datasets.
3. Contributions as lead and co-author in peer-reviewed outputs, as expected by the subject area/discipline in terms of types and volume of output; significant contributions to at least four outputs within the most recent 5 years which are at least internationally excellent³.
4. Proven ability to work independently, as well as collaboratively as part of a research team, and to meet research deadlines.
5. An understanding of the strategies for improving equity and inclusion in research and/or learning and teaching.
6. Evidence of excellent interpersonal skills, including ability to communicate effectively both orally and in writing.
7. Evidence of good organizational skills, including effective time management.

Associate Professor

1. A doctoral degree in in a relevant topic.
2. Substantial expertise in leading, designing, analysing and interpreting epidemiological studies using relevant UK electronic health record datasets.
3. A consistent and significant track record of attracting research grant income, including salary recovery, from major research funders (PI, co-PI or leadership within a large proposal such as work-package lead).
4. A track record of contributions as lead and co-author to peer-reviewed outputs, as expected by the subject area/discipline in terms of types and volume of output; significant contributions to at least four outputs within the most recent 5 years that are at least internationally excellent⁴.
5. Proven ability to work independently, as well as collaboratively as part of a research team, including experience of supervising and supporting junior researchers and non-academic staff and proven ability to meet research deadlines.
6. An understanding of the strategies for improving equity and inclusion in research and/or learning and teaching.
7. Some experience of doctoral degree supervision.

³ i.e. of a quality that would be rated highly in assessments of research quality such as those done by UK government, and in peer review processes used by funders

⁴ i.e. of a quality that would be rated highly in assessments of research quality such as those done by UK government, and in peer review processes used by funders

8. Proven ability to work collaboratively across a multi-disciplinary research team and to maintain research partnerships.

8. Proven ability to build collaborative research relationships with external researchers and/or institutions, or industry (where relevant).
9. Evidence of ability to deliver high quality research-informed teaching.
10. Evidence of excellent interpersonal skills, including the ability to communicate effectively both orally and in writing.

11. Proven ability to work collaboratively across a multi-disciplinary research team and to maintain research partnerships.

Desirable Criteria

Assistant Professor

1. Experience of generating research income such as fellowships, and/or small project grants, and/or supporting grant applications of others.
2. Some experience of supervising and supporting junior researchers and/or research degree students, and non-academic staff.
3. Some experience of undertaking teaching and assessment.
4. Demonstrable evidence of promoting inclusion in research and/or learning and teaching
5. A teaching qualification.
6. Experience and/or skills relevant to vaccine epidemiology using electronic health records (such as conducting target trial emulations or self-controlled case series)
7. Ability to contribute clinical expertise to study design and interpretation (including codelist compilation across a broad range of conditions) and/or experience of working in UK primary care to support CPRD and OpenSAFELY study applications.

Associate Professor

1. Teaching qualification (or Fellow/ Senior Fellow of HEA).
2. Experience of building and leading a research team.
3. Experience of innovation in teaching delivery and assessment and/or senior teaching management such as Programme Director, Exam Board member, Periodic Review panel member.
4. Demonstrable evidence of improving equity and inclusion in research and/or learning and teaching.
5. Experience of engagement with national and/or international research and/or policy advisory bodies.
6. Experience and/or skills relevant to vaccine epidemiology using electronic health records (such as conducting target trial emulations or self-controlled case series)
7. Ability to contribute clinical expertise to study design and interpretation (including codelist compilation across a broad range of conditions) and/or experience of working in UK primary care to support CPRD and OpenSAFELY study applications.

8. Experience of public and community involvement, engagement and participation

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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 fixed term until 31 March 2030 and part-time 14 hours per week, 0.4 FTE. The post is funded by the NIHR and is available from 03 March 2025. The salary will be on the Academic scale, Assistant Professor Grade 7 in the range £52,199 - £59,623, or Associate Professor Grade 8 in the range £62,928 – £72,092 per annum pro rata (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.

LSHTM has a Hybrid Working Framework, which alongside agreed service requirements, enables teams to work more flexibly (if the role allows), promoting a greater wellbeing and work/life balance.

Application Process

Applications should be made on-line via our [jobs website](#). Applications should also include the names and email contacts of 2 referees who can be contacted immediately if appointed. Online applications will be accepted by the automated system until 10pm of the closing date. We regret that late applications cannot be accepted. 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", "Yes" or "No" will not be considered acceptable and will not be scored.

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

LSHTM 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.

This role does not meet the minimum requirements set by UKVI to enable sponsorship under the skilled worker route. Therefore we cannot progress applications from candidates who require sponsorship to work in the UK.

Date amended: Jan 2024