|  |  |
| --- | --- |
|  |  |

**JOB DESCRIPTION**

|  |  |  |  |
| --- | --- | --- | --- |
| Post title: | **Research Technician** | | |
| Academic Unit/Service: | Primary Care and Population Sciences | | |
| Faculty: | Medicine | | |
| Career Pathway: | Technical and Experimental (TAE) | Level: | 3 |
| \*ERE category: | N/A | | |
| Posts responsible to: | Associate Professor in Primary Care | | |
| Posts responsible for: |  | | |
| Post base: | Office-based (see job hazard analysis) | | |

|  |
| --- |
| Job purpose |
| Multiple Long-Term Conditions (MLTC) refer to the co-occurrence of two or more chronic physical or mental conditions. Mental illness is prevalent among individuals with MLTC. Several AI tools are being trialled or used in the NHS to diagnose mental health conditions, but it is unclear whether these tools exacerbate inequalities based on age, sex, ethnicity, deprivation, or disability. This project aims to map AI tools used in diagnosing mental health conditions and evaluate a subset of these tools using data from the UK Clinical Practice Research Datalink (CPRD) to assess longitudinal disparities in access and uptake based on sociodemographic and clinical factors.  The project is funded by the NIHR MLTC Cross NIHR Collaboration (CNC), established to address research questions in MLTC through a collaborative, cross-disciplinary approach.  The postholder will work in the field of multimorbidity, primarily analysing CPRD data, preparing presentations for monthly meetings, and undertaking necessary training. Strong writing skills are essential to draft academic papers and present findings through interactive visualisations. The postholder must be able to work independently, under pressure, and meet tight deadlines. |

| Key accountabilities/primary responsibilities | | % Time |
| --- | --- | --- |
|  | -To work as the researcher primarily undertaking the CPRD data analysis.  - Able to work under pressure and respond quickly to deliver time-dependent and critical data outputs (e.g., to inform national policy or replying to enquiries). | 40 % |
|  | - Contribute towards publication standard academic research papers.  - To present research findings nationally and locally through interactive presentations.  - Able to work in a fast-paced environment and deliver critical written and other research outputs on time and to a high standard. | 40 % |
|  | Provide support, guidance and advice to colleagues or collaborators in their area of expertise, particularly in relation to methodologies around MLTC. | 10 % |
|  | Contribute to planning and development of new innovative research proposals and projects within the methodologies workstream. | 10% |

| Internal and external relationships |
| --- |
| * To be line managed, and supervised by Dr Hajira Dambha-Miller * Engage with internal and external collaborators/colleagues in other work areas and institutions. |

| Special Requirements |
| --- |
| * To be available to participate in weekly online project meetings, attend quarterly in-person away days and other collaborative project events. * To attend local or national conferences for the purpose of disseminating methodologies workstream activities and outcomes |

**PERSON SPECIFICATION**

|  |  |  |  |
| --- | --- | --- | --- |
| Criteria | Essential | Desirable | How to be assessed |
| Qualifications, knowledge and experience | Skill level equivalent to HNC, A level, NVQ 3, with proven work experience acquired in relevant technical support roles and job-related training.  Experience of applying understanding of specialist technical equipment, processes and procedures related to data science.  Experience with using Clinical  Practice Research Datalink and  related data linkage.  Able to demonstrate a good understanding of technical processes relating to data science.  Ability to accurately analyse and interpret data, presenting summary information in a clear and concise format. | Degree (or equivalent qualification or experience). | Application and CV |
| Planning and organising | Able to plan and prioritise a range of one’s own, and the team’s standard and non-standard work activities.  Ability to successfully plan and deliver technical support of projects over a period of several months. |  | Application, CV and interview |
| Problem solving and initiative | Knowledge and understanding of potential challenges and difficulties in MLTC research studies, including having problem-solving skills and able to apply innovative solutions to manage problems.  Able to quickly develop understanding of complex problems and apply in-depth knowledge to address them.  Able to develop and apply original techniques and methods. |  | Application, CV and interview |
| Management and teamwork | Experience of providing training/coaching to colleagues and students in relation to technical tasks.  Able to solicit ideas and opinions to help form specific work plans.  Able to positively influence the way a team works together. | Successful supervisory experience.  Ability to effectively allocate to, and check work of staff, coaching/ training and motivating staff as required. | Application, CV and interview |
| Communicating and influencing | Communicate new and complex information effectively, both verbally and in writing, which engages the interest and enthusiasm of the target audience.  Able to work alongside other work areas and institutions, to contribute towards understanding and resolution of complex problems.  Able to communicate effectively with line managers and provide regular updates on progress with agreed tasks. |  | Application, CV and interview |
| Other skills and behaviours | Display a positive attitude to colleagues, students and the public.  Carry out duties with high levels of professionalism, including attending meetings punctually and be fully prepared to participate in meetings; and respond promptly and professionally to requests from the Principal Investigator and other colleagues. |  | Application, CV and interview |
| Special requirements |  | Able to attend national and international conferences to present research results. | Application, CV and interview |

**JOB HAZARD ANALYSIS**

**Is this an office-based post?**

|  |  |
| --- | --- |
| Yes | If this post is an office-based job with routine office hazards (eg.: use of VDU), no further information needs to be supplied. Do not complete the section below. |
| No | If this post is not office-based or has some hazards other than routine office (eg: more than use of VDU) please complete the analysis below.  Hiring managers are asked to complete this section as accurately as possible to ensure the safety of the post-holder. |

## - HR will send a full PEHQ to all applicants for this position. Please note, if full health clearance is required for a role, this will apply to all individuals, including existing members of staff.

|  |  |  |  |
| --- | --- | --- | --- |
| **ENVIRONMENTAL EXPOSURES** | **Occasionally**  (<30% of time) | **Frequently**  (30-60% of time) | **Constantly**  (> 60% of time) |
| Outside work |  |  |  |
| Extremes of temperature (eg.: fridge/ furnace) |  |  |  |
| ## Potential for exposure to body fluids |  |  |  |
| ## Noise (greater than 80 dba - 8 hrs twa) |  |  |  |
| ## Exposure to hazardous substances (eg.: solvents, liquids, dust, fumes, biohazards). Specify below: |  |  |  |
| Frequent hand washing |  |  |  |
| Ionising radiation |  |  |  |
| **EQUIPMENT/TOOLS/MACHINES USED** | | | |
| ## Food handling |  |  |  |
| ## Driving university vehicles (eg.: car/van/LGV/PCV) |  |  |  |
| ## Use of latex gloves (prohibited unless specific clinical necessity) |  |  |  |
| ## Vibrating tools (eg.: strimmers, hammer drill, lawnmowers) |  |  |  |
| **PHYSICAL ABILITIES** | | | |
| Load manual handling |  |  |  |
| Repetitive crouching/kneeling/stooping |  |  |  |
| Repetitive pulling/pushing |  |  |  |
| Repetitive lifting |  |  |  |
| Standing for prolonged periods |  |  |  |
| Repetitive climbing (ie.: steps, stools, ladders, stairs) |  |  |  |
| Fine motor grips (eg.: pipetting) |  |  |  |
| Gross motor grips |  |  |  |
| Repetitive reaching below shoulder height |  |  |  |
| Repetitive reaching at shoulder height |  |  |  |
| Repetitive reaching above shoulder height |  |  |  |
| **PSYCHOSOCIAL ISSUES** | | | |
| Face to face contact with public |  |  |  |
| Lone working |  |  |  |
| ## Shift work/night work/on call duties |  |  |  |