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| Host department: Manchester |
| Project Title: |
| Implementation of the DIabetes Severity SCOre (DISSCO) and cardiovascular severity scores in general practice electronic health records. |
| Proposed supervisory team: |
| Primary Supervisor: Prof Evangelos Kontopantelis ([E.Kontopantelis@manchester.ac.uk](mailto:E.Kontopantelis@manchester.ac.uk)).  Co-supervisors: Dr Salwa Zghebi (Manchester), Dr Luke Munford (Manchester), Dr Rosa Parisi (Manchester), Dr Rathi Ravindrarajah (Manchester), and an expert in qualitative and implementation research (tbc from another HEI in the consortium). |
| Potential for cross consortium networking and educational opportunities: |
| The successful candidate will have access to the networking and educational opportunities provided by the SPCR consortium members as it provides extensive training opportunities, including an annual trainee event, specialist training days, and annual Showcase, as well as opportunities for visits and collaborations with departments with shared interests. |
| Project description: |
| Diabetes and coronary heart disease (CHD) are among the most common long-term conditions managed in primary care. This proposed PhD programme aims to build on findings from our recent SPCR-funded work developing measures to assess the severity of type 2 diabetes and CHD using data routinely collected during GP visits in England. We plan to develop these measures as automated tool to estimate disease severity and test its implementation and clinical utility in primary care systems.  The PhD programme aims to:  i) Conduct qualitative studies identifying patients', carers', and general practitioners' perceptions on contributors and drivers of disease severity.  ii) Externally validate the developed severity measures in a separate database.  iii) Design and implement a diabetes-specific and heart disease-specific severity measures in GP systems to enable general practitioners to stratify patients by their disease severity and assess its association with future clinical outcomes, mainly hospital admissions and morality. Risk stratification is increasingly important to identify increased clinical input required whilst still delivering care closer to home and outside secondary care settings. |
| Indicative project costs: |
| Salary: 36-month full-time salary (pro rata if part time) £73,367 – £95,104 pa.  Tuition fees, training: £10,000 pa.  36-month research costs: £20K. |
| Training and development provision by host: |
| Formal training: 1. Training for managing and analysing routine healthcare data.  2. Training for methodological & statistical approaches. |
| **Informal training**: support the PhD candidate to develop their research skills and ensure they work in a positive research culture with knowledge-sharing between fellow PhD students and junior/senior researchers in the department and encourage to attend and present departmental seminar and workshops. |
| **PPIE**: links to the Manchester's PRIMER PPIE group and the wider PPIE network across NIHR SPCR members. |