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|  **Name & email supervisor(s):**Georgia Richards, georgia.richards@kellogg.ox.ac.uk  |
| **Proposed length of internship and when it could take place:**6 weeks: 20/06/22 to 29/07/22 |
| **Host department:**Department of Primary Care Health Sciences, University of Oxford |
| **How will the internship be conducted:**[ ]  In person at the university[ ]  Virtual/ from home[x]  Both are possible, depending on preference student |
| **Title internship project:** Programmer Analyst – Preventable Deaths in England & Wales  |
| **Summary of the internship project:** *(max 250 words, can include hyperlinks to further information)*Understanding the causes of deaths, and how they can be prevented is critical for improving how we live. At the national level, over-reporting or under-reporting of deaths can profoundly affect policy decisions, which in turn alter global economies, and the day-to-day lives of citizens. At the individual level, understanding how and why deaths occur may prevent similar deaths or serious harms from occurring in the future.  As a Programmer Analyst at the [Centre for Evidence-Based Medicine](https://www.cebm.ox.ac.uk/), you will work on the Preventable Deaths programme and contribute to improving the automation of the [Preventable Deaths Tracker](https://preventabledeathstracker.net/). This pioneering research uses coroners’ [Prevention of Future Deaths reports](https://www.judiciary.uk/subject/prevention-of-future-deaths/) and aims to harness lessons from premature deaths to reduce avoidable harms, serve patient and public safety, and educate the public, clinicians, and policymakers.The [Preventable Deaths Tracker](https://preventabledeathstracker.net/) is built using WordPress and Python via Jupyter Notebooks, available at [GitHub here](https://github.com/georgiarichards/georgiarichards.github.io). During this internship, you will work closely with [Dr Georgia Richards](https://www.phc.ox.ac.uk/team/georgia-richards), a Postdoctoral Research Fellow, to optimise the Python code to improve the automation, useability, and visual aesthetics of the Tracker. You will write blogs and use social media to promote the Preventable Deaths programme and get involved in the centre’s exciting [summer events](https://www.cebm.ox.ac.uk/upcoming-events), including the [Summer School](https://www.cebm.ox.ac.uk/upcoming-events/evidence-based-health-care-summer-school) and [EBMLive](https://ebmlive.org/ebmlive-2020/). You will gain experience in pragmatic primary care research, turning research findings into a tool, as well as research dissemination, communication, and scientific writing. The intern is expected to have some Python programming and web development skills, an understanding of natural language processing is desired.   |
| **Learning objectives:**1. Apply programming and web development skills to integrate research outputs into a website
2. Develop practical data analysis and data visualisation experience
3. Write blogs and integrate social media to improve engagement in this research
4. Gain scientific writing and communication skills
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| **How to apply:**Please apply via email to recruitment@phc.ox.ac.uk with the subject heading **‘Primary Care Medical Student Internship application’**, and attach the following documents:* CV
* Covering letter explaining how you meet the criteria for the post, and what you hope to gain from it.
* Supporting statement from personal tutor or equivalent

**Please state clearly which project you prefer and whether you are also interested in any of the others.** Please note: you will be paid one month after the completion of work (i.e. for work done in May, payment will be made at the end of June).Closing date for applications is midday on **3 May 2022** |