

# Wellcome Sanger Institute Role Profile



<b>Current job title:</b>	Health Informatician / Data Manager
<b>Role Profile Reference [for HR use only]</b>	83708
<b>Grade:</b>	2
<b>Reports to [job title]:</b>	Director of Health Informatics
<b>Team No:</b>	219
<b>Management responsibility for:</b>	N/A

**Role purpose and primary objective:**

To curate Electronic Health Records (EHR) data from a variety of sources, applying existing code lists and algorithms from other major UK and international data repositories, e.g. UK Biobank and CALIBER to derive new variables from EHR data. Contribute to the integration of molecular, genomic and imaging data with clinical information from EHRs and extract datasets for analysis.

**Core accountabilities [in approximate order of importance to role purpose]:**

1.	Identify appropriate existing code lists and algorithms used to derive variables from electronic health records (EHRs) in major studies (e.g. UK Biobank, the CALIBER initiative) and apply to HDR UK-Cambridge datasets, sharing the codes and derived variables with data managers.
2.	Curate EHR data received by HDR UK-Cambridge, link datasets and extract data for analysis by statisticians and epidemiologists, working closely with data managers at the University of Cambridge site of HDR UK-Cambridge.
3.	Responsible for quality checking data and developing data dictionaries as required.
4.	Educating staff members on how to effectively use the variables from EHR.
5.	Build internal and external contacts and participate in networks for the exchange of information and to form relationship for future collaborations
6.	Assist with analysis, write up and presentation of EHR data, contributing to publications.

**Describe the most complex/challenging aspects of the role:**

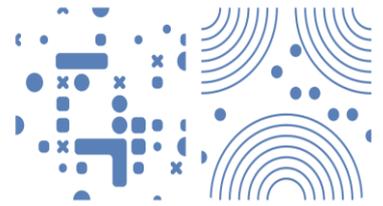
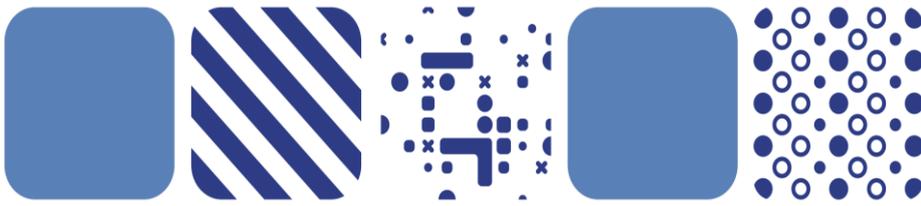
Selecting appropriate codes/protocols developed by other groups and applying them to the EHR data held by HDR UK-Cambridge.

**Knowledge, skills and experience required: E = Essential D = Desirable**

- E - Higher degree or equivalent experience in one of the following subjects: bioinformatics, biostatistics, computer science, mathematics, statistics.
- E - Prior experience working with large-scale data relating to healthcare and deriving variables from electronic health records
- E - Strong organisational skills and ability to judge priorities
- E - Experience of statistical or other programming languages to manipulate large datasets
- E - High-level report writing and presentation skills
- E - Ability to work accurately, with attention to detail
- E - Self-motivated, able to work independently and organise own workload
- E - Good team player
- E - Good communication skills

- D – Knowledge of existing phenotyping algorithms, such as those developed by CALIBER
- D – Experience of preparing data extracts for analysis by others
- D – A track record of authoring scientific publications

<b>Interacts with:</b> <i>Who (teams/people/organisations)</i>	<i>Purpose of the interaction</i>
HDR Cambridge leadership team	Receive direction and advice on prioritisation.
Data managers across HDR UK-Cambridge	Liaise over approach to coding and hosting and linkage of datasets, and share information.
External data providers	
External stakeholders	Understand details of datasets and resolve queries
Team members, wider HDR UK community	Exchange information and share approaches
	Promote the resources available and educate on their use.



Closing date: 01/12/19

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