



Health Data **Insight** C.I.C.
CPC4 Capital Park
Cambridge Road
Fulbourn
CB21 5XE

National HCC-UK Cancer Analyst

Accountable to: Programme Manager/ PHE Senior Analyst

Hours: 37.5

Duration: 2 years fixed term

Location: Flexible across national bases but post holder must be able to travel to Cambridge/ London on a regular basis

Job Description

The role

You will work with colleagues to deliver the National Cancer Registration and Analysis Service's (NCRAS) analytical function for the HCC-UK PHE partnership.

You must have demonstrable skills in understanding and manipulating large amounts of data. This will include:

- analyses, interpretation and presentation of public health and cancer data;
- gather, manage and evaluate data from a range of sources:
 - detailed review of at-risk HCC patients in relation to age, sex, cirrhosis, aetiology of the underlying liver injury (if any);
 - a considered review of treatment effects on survival, adverse events and cost;
 - an overall examination of the relationship between these and the outcomes.

You will be an excellent communicator, building strong relationships and working collaboratively with key stakeholders in order to obtain the data needed for this important partnership.

Specific responsibilities

- Applying specialist analytical, statistical and epidemiological methods to highly complex data from a variety of sources to routine and ad hoc analytical projects and tasks as well as providing specialist advice on the appropriate use of this information.
- Acquiring and maintaining a thorough understanding of relevant core datasets, including potential uses and limitations, and participating in dataset user groups where appropriate.

- Working with the line manager and Clinical Research Fellow to optimise use of new data sources and identifying new and innovative ways to analyse and present intelligence. Engaging with stakeholders to ensure analyses are valid and interpretation is clinically accurate.
- Using a variety of methods including written briefings and oral presentations to interpret and communicate outcomes of highly complex data analyses to both non-statistical and statistical professionals and stakeholders, determining the appropriate level of complexity according to the needs of the audience.
- Taking a lead role in NCRAS's analytical capability, planning, managing and delivering on a range of projects requiring complex analytical input from other PHE and external colleagues, including data output, workloads and delivery timescales.
- Supporting and promoting the use of NCRAS's quality assurance procedures and standard operating procedures, including compliance with corporate policies in relation to security, confidentiality and release of information.
- Attending national meetings with key stakeholders.
- Supporting the local and national translation of outputs through awareness raising, oral presentations and written briefings or reports as well as managing and contributing to the production, publication and dissemination of reports, epidemiological studies and any other outputs as identified by the HCC-UK PHE partnership.
- Working with the team to ensure the effective use by the end user of nationally developed tools and resources.

You will be based with the NCRAS team in PHE, working closely with a Clinical Research Fellow and others across the UK with similar interests. You must be comfortable working in a remote-managed setting.

Accountability

This is an HCC/ PHE Partnership post. The postholder will be employed by Health Data Insight CIC (HDI) and subject to HDI's terms and conditions of employment as set out in their contract.

The post holder will be accountable to the PHE Senior Analyst and a representative from HCC for their work programme and to the HDI Programme Manager for any employment matters.

Information Governance

You will ensure that all data transfer arrangements, storage and use, and handling of personal sensitive health data meet HDI, PHE, and the NHS's information governance requirements.

General

- Identify own learning needs; locate appropriate training resources (e.g. books, web tutorials) to address these needs;
- Provide education and training to others where appropriate;
- Manage own workload, estimating time to completion of tasks, identifying any factors that may cause delays or problems in implementation;
- Take an interest in maintaining knowledge of relevant issues;

- Undertake any other duties as required by the HDI Directors, either on a temporary basis or following mutually agreed changes to the job description;
- Services, the individual treatment centres and long term outcome.

Person Specification

Description	Essential	Desirable	Assessment
Qualification			
Degree level qualification or equivalent in a relevant discipline (information, statistics, health, or sciences with a significant analytical component)	✓		A/I
Post-graduate degree and / or equivalent or significant experience related to health information		✓	A/I
European Computer Driving Licence (ECDL)		✓	A/I
Knowledge and experience			
Experience of analysing and presenting complex health information in a variety of formats to a wide range of customers	✓		A/I
Using statistical software packages, e.g. STATA, SPSS	✓		A/I
Analysing Hospital Episodes Statistics data		✓	A/I
Working with public health information	✓		A/I
Database design and development and data quality issues		✓	A/I
Understanding of current NHS organisational structure, main data flows, NHS data standards and working with confidential information	✓		A/I
NHS reference data, coding systems and medical terminology	✓		A/I
Geographical mapping software and associated datasets		✓	
Cancer registration and current developments in cancer information and cancer services (knowledge)	✓		A/I
Skills and capabilities			
Interpreting customers' information requirements	✓		A/I
Demonstrable skills in a range of standard computer software packages (e.g., Word, Excel, PowerPoint, Access, ArcGIS)	✓		A/I
Experience in the use of statistical methodologies for interpreting and understanding data sets	✓		A/I
Awareness of national IT and information developments in the NHS		✓	A/I
Advanced analytical / data interpretation skills	✓		A/I
Analytical report writing and production	✓		A/I
Excellent oral and written presentation skills	✓		A/I
Able to prioritise workload and use initiative	✓		A/I
Project management skills		✓	A/I
Structured Query Language (SQL)	✓		A/I

The HCC / PHE partnership

HCC-UK is a multidisciplinary UK-wide group interested in all facets of management. It currently sits under the British Association for the Study of the Liver (BASL) umbrella. The collaboration between BASL, HCC-UK and Public Health England (PHE) proposes

to increase our understanding of hepatocellular carcinoma ((HCC), the most common type of liver cancer) in England & Wales and to address many of the issues experienced by this patient group. The partnership aims to ensure that liver services in the UK improve the outcome for patients by delivering the best available therapy efficiently to all patients with HCC independent of socioeconomic status or liver centre.

The focus will be on the extensive use of available retrospective data in the first instance, with prospective data collection a longer-term intention. The group will include expertise in health economics for a cost evaluation of HCC, per se, and treatment of this condition in England & Wales.

The National Cancer Registration & Analysis Service (NCRAS)

NCRAS is a department of PHE, building on the work of partner organisations and teams to develop world-class cancer intelligence for PHE, partners – nationally and internationally – and the local public health system. The department consists of cancer registration and intelligence teams in a number of offices across England. This post is part of the cancer analytical team in one of the NCRAS offices (Birmingham, Bristol, Cambridge, London, Manchester, Nottingham, Oxford, Sheffield and York).

For further information on NCRAS, please visit <http://www.ncras.nhs.uk>.

Specific partnership objectives

- Detailed study of the nature of primary malignancies of the liver;
- Detailed study of risk factors, including cirrhosis and demographic data in patients with HCC;
- Detailed study of the effect of all intervention(s) on cure, survival and the clinical course including side effects of therapy;
- Complete a health economic study of the cost of HCC, per se, and the different approaches to managing HCC;
- Determine if investigations that might be described as screening or surveillance have been undertaken prior to the diagnosis of HCC and if so, were these to the advantage of the patient;
- Determine if therapies prescribed for conditions unrelated to the liver such as Metformin or Aspirin reduce the risk of developing HCC;
- Determine if there is a link between socioeconomic status, access to liver.