



**Title:** Health Informatics Project Manager

**Location:** Based in Boston, USA or London, UK

**Term:** Permanent

**Travel:** This role may involve intermittent travel as appropriate

**Reporting Relationship:** This role reports a Director of Outcomes Research or VP of Technology

**Direct Reports:** none

### **ICHOM – Background:**

ICHOM is a non-profit organisation committed to transforming healthcare to a value-based system through universal measurement and reporting of patient outcomes. ICHOM was co-founded in November 2012 by Professor Michael Porter of Harvard Business School, Stefan Larsson from the Boston Consulting Group, and Professor Martin Ingvar of the Karolinska Institutet. Its mission is to unlock the potential of Value-Based Health Care by defining global Standard Sets of outcome measures that really matter to patients for the most relevant medical conditions and by driving adoption and reporting of these measures worldwide.

ICHOM brings together leading experts from around the world with a number of different initiatives. Standard set development remains at the core of what we do and we have produced 35 standard sets so far, with a number to be completed by the end of the year. In late 2019, we set up the Partnership Programme to offer implementation support to providers who require help implementing a standard set. In April 2020, we launched our community: ICHOM Connect. This online portal offers a space for healthcare professionals to meet, discuss, evaluate and benchmark their projects and future work. Furthermore this year, we have created our successful Conference Series which is a number of virtual events including online conferences and webinars.

ICHOM seeks a **Health Informatics Project Manager** who will focus on the digitalisation of our Standard Sets and support the development of our benchmarking platform. We are looking for a passionate and skilled person with expertise in health informatics and clinical data science. You will demonstrate “on the ground” experience implementing data programs in healthcare and a determination to make a real difference to patients’ lives. You will be excited to join a small but ambitious organisation with offices in Boston and London (see ICHOM.org). You will be a responsible individual contributor who works well in multidisciplinary groups *and is especially adept at translating technical knowledge or concerns to non-technical team members.*

### **Technical Skills**

#### *Health data interoperability*

- A thorough understanding of health informatics, acquired either in industry (+ 3 years of experience) or academia (MSc level or above) strongly preferred.
- Health data interoperability
  - Familiarity with the challenges associated with achieving interoperability of health data; preferably acquired in applied settings, such as with a healthcare provider or in *industry*.

#### *Clinical information/data modeling*

- Working knowledge of information models/logical models for organizing health-related data. Examples include Clinical Element Models, Archetype Definition Language (ADL) and OpenEHR.

#### *Healthcare IT (HCIT) integration experience*

- Working knowledge from developing common data models (CDM) and extract-transmission-load (ETL) architectures to map health data from an array of source systems (e.g. EHR, claims etc.) to a CDM.
- Working knowledge of relevant methods for data transmission, including formats and standards such as FHIR, HL7 v2/3/CDA messaging.
- Thorough understanding of HCIT usability frameworks and an end-user centric mindset.

#### *Medical reference terminologies and terminology binding*

- Working knowledge of common reference terminologies and classification systems such as LOINC, Snomed CT, ATC and ICD10.
- Working knowledge of tools and workbenches for terminology binding such as RELMA, Snomed CT browser etc.

#### *Data engineering & structures*

- The applicant is expected to have strong skills in basic data structures such as SQL, JSON and XML (including ontologies such as OWL/RDF) and the ability to freely translate between them.
- Strong Python programming skills are a must. Experience with HTML5 and JavaScript programming skills is desired.
- Good working knowledge of Git and GitHub, to maintain and ensure version handling and availability of the reference information model.
- Experience with web-servers and database management systems (SQL or no-SQL).
- Strong candidates will have experience from front-end dashboard development. Relevant tools include Python's Dash library, or even better React or similar interactive UI functionality.
- Experience from developing and designing architecture and pipelines for serializing data from source clinical data systems into common data models (CDM) that facilitate distributed analytics.

#### *Epidemiology and health outcomes research*

- Familiarity with the principles of epidemiologic research and outcomes measurement from either academia or industry, preferably with practical experience from writing analysis plans and scientific reports.

#### *Clinical medicine*

- The applicant is expected to have experience working alongside MD's and RN's to support the clinical validity of their work.

**Application** Please submit a CV and a 1-page covering letter to: [jobs@ichom.org](mailto:jobs@ichom.org) The applicant must be prepared to offer references from earlier positions