






TERMLEX – Informatics and Interoperability Experts

TERMLEX LIMITED

HEALTH INFORMATICS AND SOFTWARE CONSULTANCY

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Help organisations record and share healthcare data, allowing reuse of this data by clinicians and patients

OUR VISION

Termlex team

About Us

Termlex is a healthcare start-up that aims to change the way healthcare data is exchanged and healthcare software is designed. Our team has internationally recognised experts in healthcare IT with long standing experience in projects in the UK and across the world .



SNOMED CT & FHIR

We have world class terminologists who are grounded in clinical work and combine many years of experience in curating SNOMED CT and supporting deployment. We specialise in supporting the implementation of SNOMED CT in clinical information systems and its maintenance in enterprise settings.



Clinical Informatics

Our services and products enable our clients to adopt SNOMED CT & FHIR to easily realise their benefits and support their interoperability requirements. Our expertise is based on international experience of implementing healthcare standards and using them in clinical information systems.



Software & APIs

We have the skills and experience to:

1. Quickly evaluate requirements.
2. Rigorously analyse and represent information using SNOMED CT terminology and FHIR messaging standards.
3. Use APIs and creating bespoke clinical solutions based on healthcare standards.

Team Overview

Our team has internationally recognised experts in healthcare standards with experience from the UK and across the world. We specialise in supporting the implementation of healthcare standards in clinical systems. We also create bespoke software that solves clinical needs.

Our Experience



COUNTRIES

4+



PRODUCTS CREATED

10+



CONSULTANCY PROJECTS

25+



COMBINED EXPERIENCE

95+

Our Team



Jay Kola
CEO – Informatics

I help people and organisations solve complex clinical and technology problems in settings from small hospital departments to national programmes.



Sarah Harry
Principal Terminologist

I'm a sort of librarian of ALL the clinical expressions people can say, collected in an organised international vocabulary (but with local UK content too)



Malcolm Duncan
Informatics Specialist

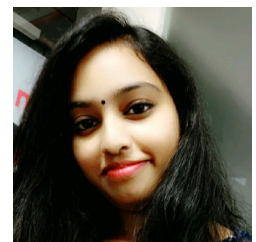
I am committed to enabling the safe and effective retrieval and use of clinical data captured at point of care, with interests in decision support and legacy data



Ram Kola
CTO – Solution Architect

I specialise in building enterprise-class IT solutions to solve real-world problems and expedite digitalisation initiatives.

Past Clients



Bhavana (@BB)
Full Stack Product Lead

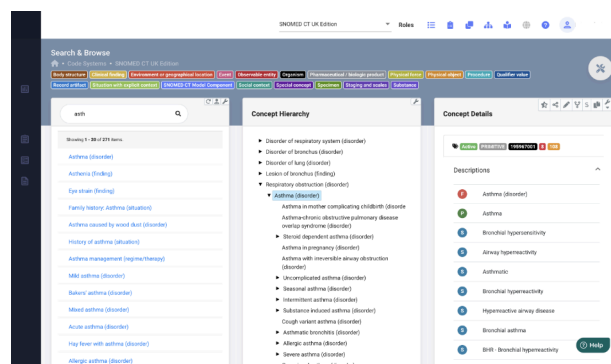
I am passionate about using latest technologies to build exciting products for healthcare and standardisation.

Display of logo does not reflect official endorsement/affiliation

| Our Products

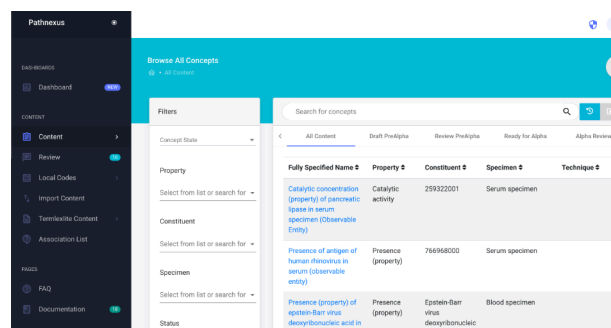
Termnexus

Termnexus is a terminology server that provides APIs for accessing terminology standards like SNOMED CT, ICD-10, dm+d, LOINC, etc. It enables organisations to standardise their data by mapping it to external standards. It also allows users to access maps between the above standards or to create and maintain their own maps from local codes to the above standards. In addition, it allows you to create your own SNOMED CT concepts (codes) when no relevant ones exist in the published standard.



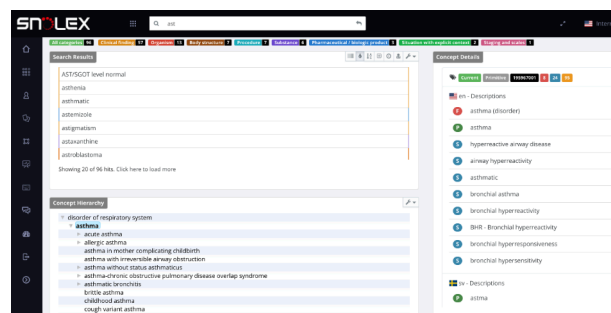
Pathnexus

A Lab-data harmonisation platform to create, maintain & access standards based catalogues for pathology/lab test requests and results. Pathnexus has the ability to build maps between local codes and SNOMED (including older versions of SNOMED CT). Option to create new local terms/codes based on SNOMED terms if needed.



Snolex

Snolex is a fresh look at searching and exploring SNOMED CT. It has a super fast search and browse interface that makes it an excellent SNOMED CT browser. Snolex also allows you to create, browse and share Refsets. You can browse the International edition of SNOMED CT and other national editions.



Our Services



Clinical Informatics Expertise

As a team of ex-clinicians (doctors, nurses, etc), we are passionate about the role of informatics in successful adoption of technology in healthcare. We have decades of experience of working in various commercial organisations and national programmes across the globe. We combine our informatics approach with pragmatic understanding of standards like SNOMED CT & FHIR



Interoperability & Integration

In a world that is rapidly moving towards interoperability using FHIR, we apply our informatics & terminology expertise to allow true interoperability of data. We believe that semantic interoperability is achieved when HL7 FHIR structures are bound to appropriate valuesets in coding standards like SNOMED CT



Bespoke Application Development

We have experience of designing and creating healthcare software that is used in live systems. We can build your next-gen system based on healthcare standards & enterprise software. We work with clients in NHS and across the UK to create software that solves clinical problems



Enterprise Terminology Management

We advise enterprises on managing their local codes (& vocabularies) with reference to SNOMED CT (extensions, refsets/subsets). We also help them exchange data using interoperability standards like FHIR. We can help configure your systems for search, analytics, persistence and mapping to SNOMED CT, ICD-10 and other healthcare standards.



National Release Centre Support

We have experience of working for various national programmes helping them plan their processes, tooling and strategy for establishing their National Release Centres (NRCs) and making them operational. Other areas of expertise include implementation strategy, subset/refset creation, mapping to/from registries and custom tooling.

Lab/Pathology Standards

We supported NHS Digital develop the national standards for digital lab requests and results and how they are sent from labs to clinicians, amongst clinicians and between clinicians and patients.

Importance of Lab/Pathology data standards

The Problem

The NHS is dependent on rapidly obsolescing standards for lab results coding and transmission. The NHS has used coded results to send to GPs for many years using the **Pathology Bounded Code List (PBCL)** in an **EDIFACT** message wrapper. The PBCL was coded using the now deprecated **Read Codes** terminology, making it **unsuitable** to meet the future needs of the NHS.

NHS Digital initiated a new lab results coding standard work under the title **the Unified Test List (UTL)**, as the replacement for the PBCL.

The Solution

We supported NHS Digital in designing and creating the new standards for Pathology (lab medicine) in England, based on **the Unified Test List (UTL)** & HL7 FHIR. We also supported the creation of new UTL codes in an agile, iterative process, at scale – going from 80 codes to 1800 codes in 18 months, covering blood sciences and microbiology. We also worked closely with NHS Digital in setting up the delivery and governance process of these standards

Termlex can help you migrate your existing lab data to **SNOMED CT** or **LOINC**!

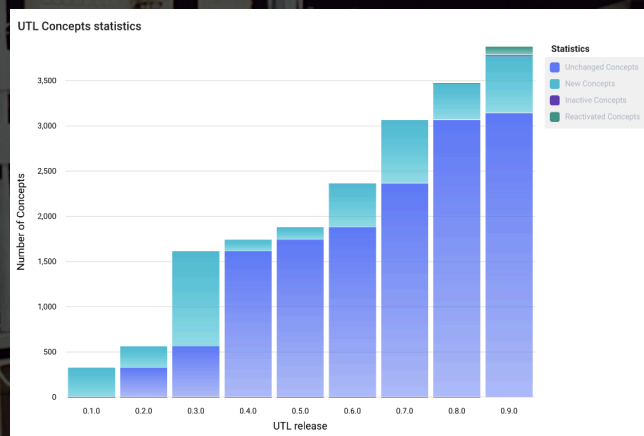
Benefits of UTL

Ensures seamless transmission of lab results and requests in lab to lab, lab to GP and other settings.

Ensures lab results are trackable and comparable across different settings, improving patient safety and reducing duplicate testing.

Ensures secondary data analysis is accurate, driving up efficiency at a time of significant lab realignment and re-procurement activity.

UTL Creation Progress

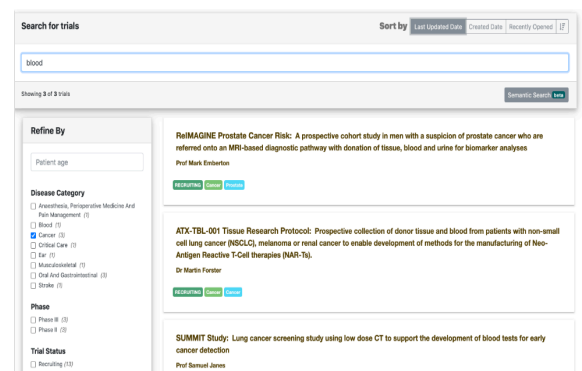


The Result Rapid and high volume UTL development demonstrates **Termlex** expertise in standardising lab data.

I Past Apps / Projects

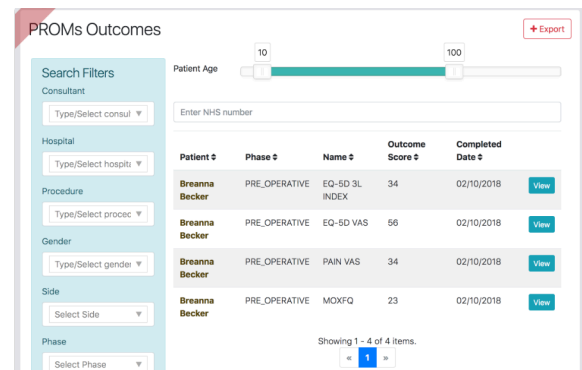
Keytrials

Termlex worked with University College Hospital, London, to create Keytrials, a clinical trials discovery platform that makes it easier for clinicians and patients to find trials that are open either from a browser or directly from the hospital system (EHR). It can increase trial recruitment and improve visibility of clinical trial activity in any organisation.



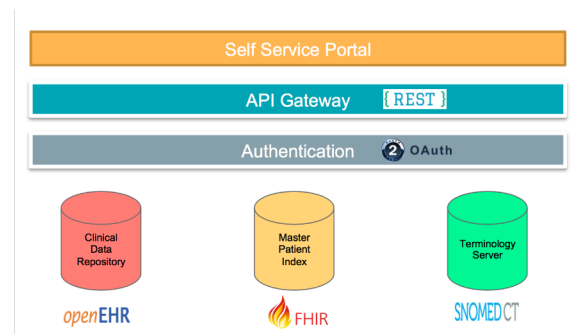
PROMS Platform

A platform for recording and analysis of Health Outcomes via Patient Reported Outcome Measures (PROMs). It was designed to make it easier for orthopaedicians at Northumbria Foundation Trust to follow up post-operative patients. It allows procedures and outcome measure to be recorded using SNOMED CT and accessible via FHIR (in-development).



Code4Health Platform

A platform designed as an open sandbox environment for anyone who wants to discover, demonstrate, test or build health and care solutions. It does this by making standards (SNOMED, FHIR & openEHR) compliant services for accessing and storing data via APIs. It also simulates a wide range of open systems and services you are increasingly likely to find in UK health and care.



Working with us

Our core philosophy has been to understand, and address client needs using our expertise. Using Agile delivery we can easily channel our resources according to client priorities, focusing on adding value for clients.



01

Experience of Agile project delivery, working closely with clients in integrated teams of clinicians, business analysts, solution architects. We add value by addressing client needs first!



02

International experience of managing national reference terminologies and supporting their implementation, having been involved in various national healthcare IT programs.



03

Decades of involvement in interoperability & standards – covering SNOMED CT, FHIR and openEHR. Experience of designing and establishing strategy for adoption of healthcare standards.



04


Hands-on experience of creating applications that are used in the NHS, addressing real world needs. We translate our expertise into tangible solutions and services for our clients.





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