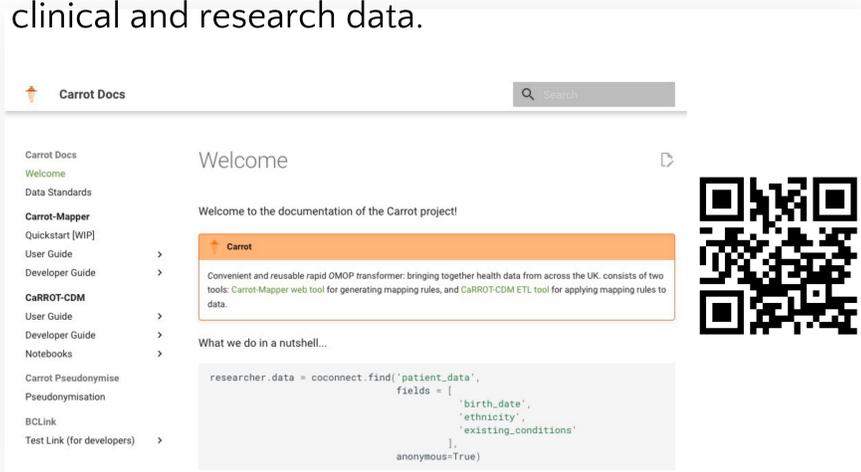# Carrot Tools can make standardising data to OMOP more consistent to improve data reusability, interoperability and reduce time to map data. There is a need for a pain-specific standard vocabulary.
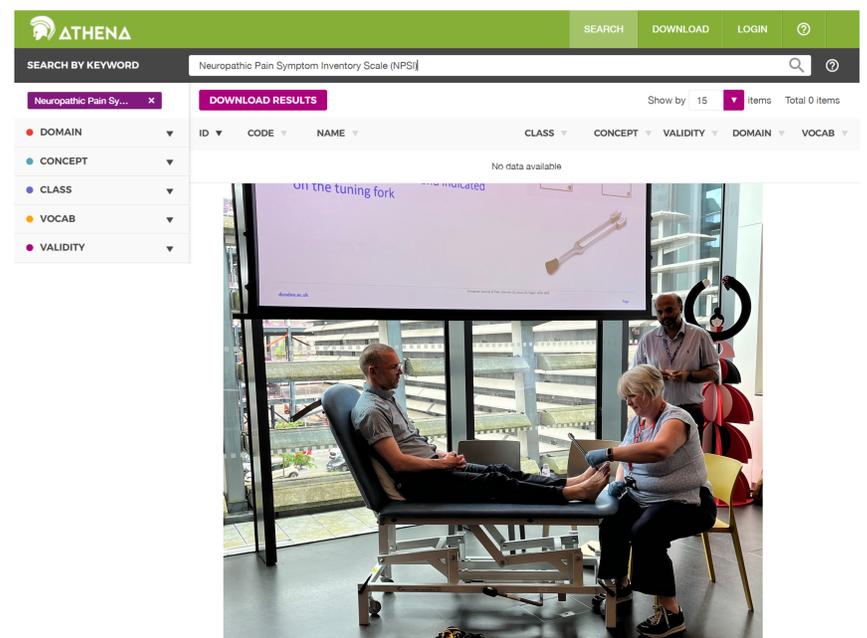
Lessons Learned from Mapping UK Pain Datasets to the OMOP CDM

Background: Chronic Pain affects up to 28M people in the UK and is poorly represented in electronic healthcare data. The aim of the Alleviate Pain Data Hub is to improve visibility and accessibility of pain data and ultimately facilitate access to research data across the UK. We have developed open-source tools which have supported the mapping of 5M records from across the UK and have found opportunities for improvement with pain data.

Result 1: We use Carrot tools with our mapping expertise to transform datasets to OMOP-CDM. The tools have improved the efficiency of mapping of clinical and research data.
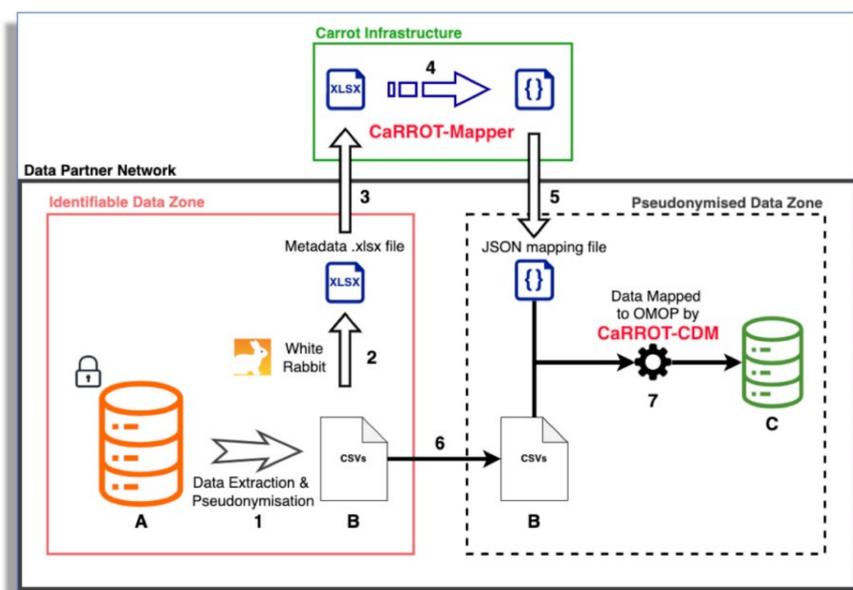

Result 2: We identified a lack of standard vocabulary representations for pain specific data (terms, scales such as Neuropathic Pain Symptom Inventory (NPSI) and tests such as Quantitative Sensory Testing (QST))
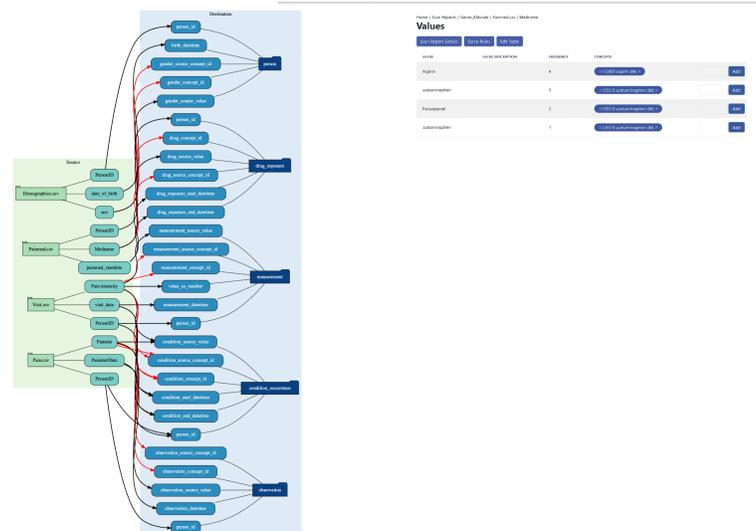

Methods

1 Carrot Tools mapping process.

2 Mapping data UI and rules

Note: The tools are open-source, under continued development and are having more features added as the project progresses to address the needs of those performing the data mapping.

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The Advanced Pain Discovery Platform
(APDP) Data Hub