T.M.S.

Rancho's Terminology Management Solution (TMS)

Unlock the potential of universal data interoperability! Rancho's Terminology Management Solution (TMS) empowers you to align term lists or datasets with your preferred terminology standard, ensuring a streamlined and consistent data ecosystem. TMS not only supports popular public standards, but also accommodates custom standards or ontologies. TMS is accessible via a user-friendly interface or a powerful API, allowing you to design your workflow.

STANDARDIZE TERMINOLOGY:

Ensures consistent use of terminology across projects, leading to improved communication, alignment, and data accuracy.

DATA-DRIVEN INSIGHTS:

Enables data harmonization, allowing disparate data sources to be integrated and analyzed, leading to valuable insights for informed decision-making.

REDUCE ERRORS:

By automating data handling and harmonization processes, TMS helps minimizes the risk of errors, enhancing the reliability and quality of project outcomes.

ACCELERATE TIMELINES:

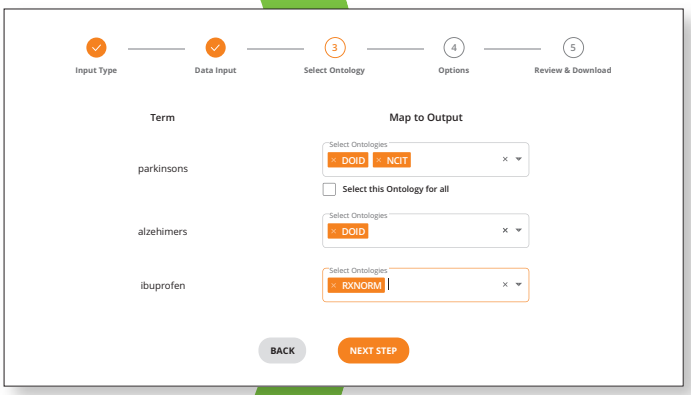
Significantly reduces project timelines by automating manual processes, allowing teams to focus on high-impact tasks and deliver results faster than ever before.

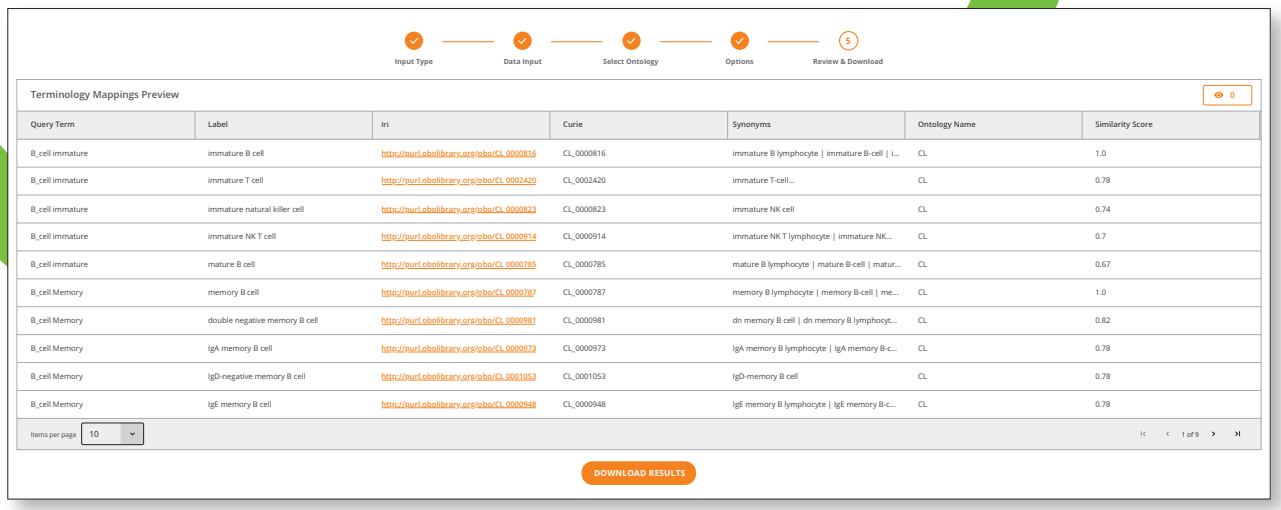
ENHANCE EFFICIENCY:

Endpoints generated by TMS can be integrated into existing systems, providing automated workflows and intuitive data management tools.

USER INTERFACE (OPTIONAL):

TMS involves integration into existing systems by use of API calls to the service, a user-interface is available that allows users to map terms to standard ontologies, no-coding needed.





FEATURES:

Powerful API suite: singular API endpoint, which can be used to map any term to the currently supported ontologies using either phonetic or semantic methods.

Optionally users can use TMS with a friendly interface that eliminates the need for complex scripts and development time.

ONTOLOGY STORE:

A graph database allowing users to ingest standard and custom ontologies and perform basic ontology operations, such as text annotation, common ancestor, and level alignment.

MAPPING SUGGESTOR:

The Ontology Mapping Suggester Tool suggests the best ontologies to use based on users' existing text or term list.

UI PORTAL APPLICATION:

A UI Front-end Application allows users to annotate terms directly from their browser, interfacing with TMS while enabling standard spreadsheet functions (for example: column mapping; range mapping; etc.).

2D MAPPING:

Simply upload a 2D file and select the ontologies you would like each column mapped to, simplifying complex alignment of sample-level metadata into one easy step.

SUPPORTED ONTOLOGIES

Disease/Phenotype: DOID, HPO, ICDO3, ICD10CM, ICD11, MONDO, ORDO

Multi-Modal: BTO, EFO, FMA, GARD, MeSH, NCIT, OBA, OMIM, OMOP, SNOMEDCT, MedDRA

Assay: CHMO, OBI

Drug: CHEBI, RXNORM, VO

Strain: NCBITAXON, RS

Tissue/Cell: BTO, CL, CLO, UBERON

Other: AFO, GO, HGNC, LOINC, PATO, PR, UO

*Some ontologies may require additional licenses

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