T.M.S.

Unlock the Potential of Universal Data Interoperability!

With Terminology Management Solution (TMS), you can align term lists and datasets with your preferred terminology standard, ensuring a unified and consistent data ecosystem. TMS is lightweight and easy to use while delivering powerful results. It leverages advanced AI semantic mapping and a proprietary fuzzy phonetic mapping algorithm, meticulously refined over 8 years, to improve data handling accuracy and adaptability. Supporting over 50 public standards, as well as custom ontologies, TMS offers flexible integration through a user-friendly interface or a robust API, seamlessly fitting into your workflow.

LIGHTWEIGHT AND USER-FRIENDLY:

You can start using TMS quickly, thanks to its lightweight design and intuitive interface. Whether through the no-code web interface or the API, you integrate TMS seamlessly into your workflow with minimal setup and resources required.

STANDARDIZE TERMINOLOGY:

Ensure consistent terminology across projects, enhancing collaboration, data accuracy, and compliance with FAIR principles for better interoperability.

GAIN DATA INSIGHTS:

Harmonize disparate data sources for comprehensive analysis, unlocking valuable insights and enabling data-driven decision-making.

MINIMIZE ERRORS:

By automating data harmonization, you reduce the risk of errors, enhancing the quality and reliability of your project outcomes.

ACCELERATE TIMELINES:

Save time by automating manual processes, allowing your team to focus on high-impact tasks and deliver results faster than ever.

TMS WORKFLOW

1. Upload your file using the no-code web interface or a powerful API (Figure 1).
2. Select the ontologies to map for each column, customize your processing options and start automatic mapping in just a few easy steps (Figure 2).
3. Quickly identify and map the most relevant terms using the built-in similarity score or define custom mappings. To adjust specificity, select a parent class.
4. Export the structured data in your preferred format (XLS, CSV, JSON).

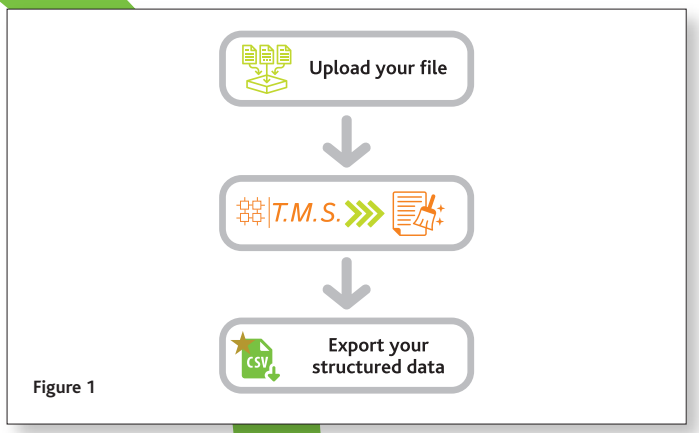

Figure 1

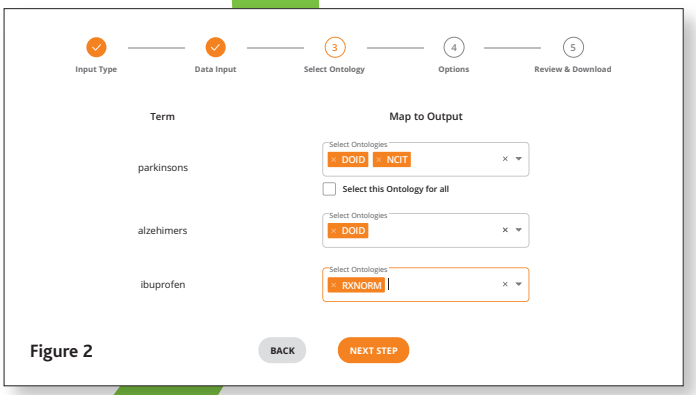

Figure 2

EXPLORE WITH THE ONTOLOGY VIEWER

Visualize complex ancestry paths and navigate seamlessly through the ontology tree with TMS's powerful built-in Ontology Viewer (Figure 3). This feature allows you to explore relationships between terms, pinpoint connections, and search effortlessly within the ontology structure. By offering a clear and dynamic visualization of data hierarchies, the Ontology Viewer empowers you to refine mappings, enhance accuracy, and gain deeper insights into your data—all in an intuitive, user-friendly format.

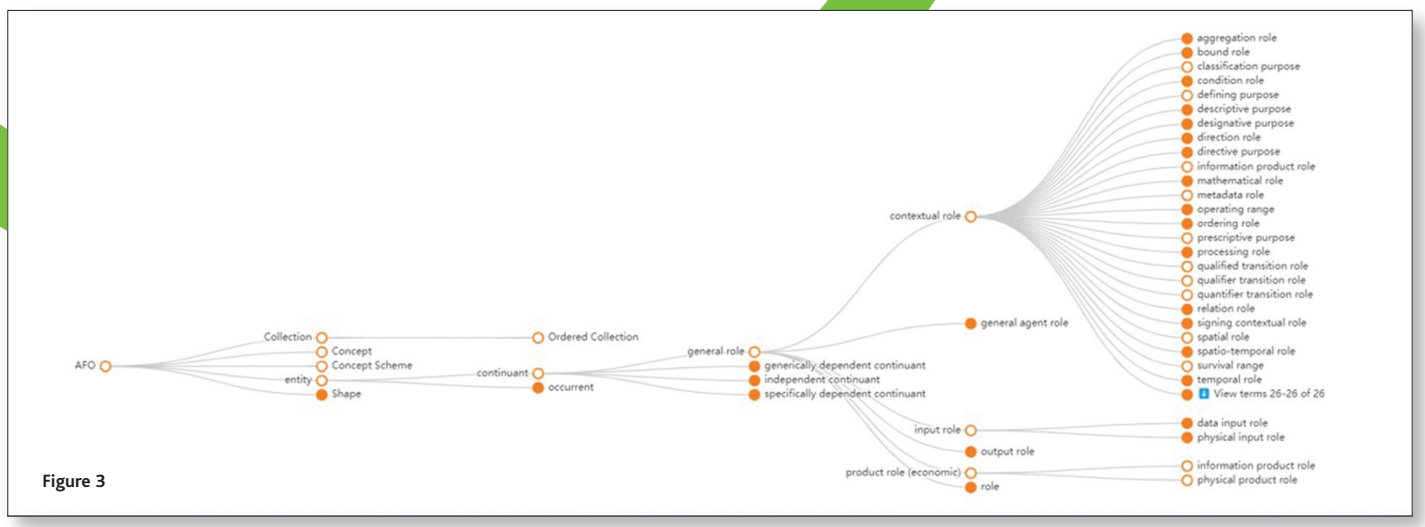

Figure 3

SUPPORTED ONTOLOGIES

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

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

OR upload your own custom ontology

*Some ontologies may require additional licenses

Check out our scientific publication on TMS use in Real-Worl Data (RWD) FAIRification process.

Whether you're driving discovery, development, or data-led strategies, TMS is a critical component of making informed, data-driven decisions. Contact us today to see how TMS can elevate your data management capabilities.

Unlock the power of your data—speak to one of our experts or email us at tms@ranchobiosciences.com today!

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