

## Data Normalization Services

# A suite of services that combine the power and efficiency of machine learning with the clinical knowledge and experience of industry professionals

Healthcare organizations rely on data integrity for reporting accuracy, patient safety, and cost reduction. Our suite of services helps your organization map and normalize clinical and claims data to standards, so you can make informed decisions, enhance your population health initiatives, and establish a foundation for reliable analytics and quality reporting.

#### **Data Normalization and Mapping Services**

Our staff of industry professionals and clinical experts will map your local, disparate clinical and claims data to the most appropriate standard codes, leveraging advanced terminology tools and finely tuned matching algorithms powered by machine learning techniques. Each map is then closely reviewed by our team to ensure the highest level of accuracy.

Health Language offers data normalization and mapping services across the following domains:



Our clinical domain expertise is available to support your data normalization and mapping projects when you don't have the internal resources.

Data normalization is key to achieving your population health initiatives:

- Ensure reporting accuracy and produce reliable analytics
- Leverage clinical data for quality measure reporting
- Identify gaps in patient care
- Optimize care and disease management programs

### Mapping Service Process Framework

#### **STEP 1** Preparation

#### **Project Kickoff**

Our team will review your use cases and design requirements for the mapped data.

#### **Data Review**

Your team provides the data and we'll conduct a preliminary review and analysis. When the review is complete, we'll provide you with mapping guidelines and design requirements for review and signoff.

#### **STEP 2** Mapping

**Programmatic Mapping** Your data is processed via finely-tuned domain specific algorithms, powered by machine learned techniques.

#### **Manual Mapping**

Any unmapped data is carefully reviewed and manually mapped by one of our coding specialists.

#### STEP 3 OA

#### **Programmatic QA**

The maps are electronically reviewed for consistency and completeness.

#### Manual QA

Maps are reviewed by our clinical experts to check for accuracy and confirm they adhere to our mapping guidelines and requirements.

#### **STEP 4** Delivery

#### **Final Packaging**

Our team creates the final data deliverable to your specification.

#### **Delivery and Review**

Your data is delivered to your team for review. A final review meeting is held to ensure the data meets the mapping guidelines and design requirements.

#### Semantic Interoperability Advisory Services

Don't know where to start? Our Professional Services team are prepared to assist healthcare organizations with their data normalization objectives. Health Language clinical experts will partner with you to analyze problem statements and create a strategic solution that meets your needs.

#### **Health Language**

Terminology management solutions from Health Language can unlock your healthcare data to help you maximize reimbursement, meet regulatory compliance, improve operational efficiencies, and enhance patient care. Health Language provides powerful data solutions that can be customized to your organization's needs.

Health Language solutions are designed to support health IT vendors, payers, health systems, HIEs, research, and government organizations to improve search and documentation, support reference data management, enable interoperability and data normalization, improve quality measure reporting, maximize revenue cycle management, meet Meaningful Use compliance, and enhance analytics.

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