





# Did you know...

Last year, six out of ten hospitals reported challenges exchanging patient health information across different platforms.

– Office of the National Coordinator Data Brief, 2018

# **Data Normalization**

## Your first step toward achieving semantic interoperability

Data normalization is the process of translating local and proprietary disparate data to industry standards such as LOINC®, RXNorm, SNOMED CT®, and ICD-10.

Mapping data to standard terminologies unlocks the true value of the data, allowing for accurate analytics, reporting, and data warehousing.

### Non-Standardized Data Puts Your Organization At Risk

While healthcare organizations focus on centralizing data into a data repository, they may not realize that while the data is in one place, it is still largely unusable. Data quality is compromised by disparate lab data and drug databases, patient data captured in free-text fields, and misspellings, synonyms, and abbreviations.

# Potential Negative Outcomes Due To Non-Standardized Data:

**Reimbursement:** Incomplete or inaccurate data needed for reporting quality measures.

**Patient Safety:** Inaccurate real-time care alerts or clinical decision support rules.

Cost Management: Incomplete clinical data that increases risk of non-adherence to treatment plans resulting in readmission, and decreases effectiveness of care and disease management programs.

**Compliance:** Inaccurate patient population data needed for reporting to state or federal registries and quality measure programs.

### COMMON DATA DOMAINS Behavioral Medications Health Problem Labs Lists DATA MANAGEMENT **Imaging** Claims Data **~** Clinical **Patient** Generated Notes Data +

# The Health Language Data Normalization Solution

Whether you need assistance with mapping data, software tools to manage your data, or the actual data to help you get started, Health Language can help.



#### **Services**

Our staff of 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 and AI techniques.



#### **Software**

Our Map Manager software platform efficiently supports your mapping projects by combining clinical auto-mapping functionality with efficient workflow, management dashboards, and simplified integration to enable cross-team collaboration.



#### **Data**

Our comprehensive library of reference standards, specialty maps, and crosswalks help you normalize your data while meeting ONC's defined interoperability standards. HL content helps you map your local data to common standards such as ICD-10, CPT®, HCPCS, SNOMED CT, LOINC, and RxNorm.

## What Makes Our Solution the Best?



#### Clinical Expertise

Our staff of clinical analysts have an average of over 25 years of experience in healthcare terminology. We quickly augment staff and provide you with the clinical expertise to handle critical projects.



#### Advanced Technology

Our software provides bulk auto-mapping, powered by machine learning, to ensure the highest map rates and accuracy, as well as an efficient workflow designed for accelerated review and team collaboration.



#### Professional Services Team

Our services team will partner with you throughout the customer journey to ensure the solution meets your quality expectations.

# The Value of Data Normalization

With a foundation of normalized data, you can effectively measure performance, gain insights, and support enterprise initiatives.



#### **Reliable and Accurate Analytics**

Enable semantic interoperability to achieve your population health initiatives



#### **Quality Measure Reporting**

Improve accuracy of HEDIS or other quality measures. Maximize reimbursement within value-based and fee-for-service payment models



#### **Clinical Decision Support**

Power your real-time care alerts to improve patient outcomes and safety



#### **Care and Disease Management**

Leverage clinical and claims data to close gaps in care

#### **Need to Manage Your Reference Data in One Place?**

Centralize and manage your clinical, claim, and business reference data to simplify data governance, enable interoperability, drive compliance, and improve operational efficiencies.

#### **Need Access to Content ASAP?**

You can be up and running on the latest content and applications less than two weeks after signing your contract.

#### **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.