



## J2 Managed Terminology

Healthcare organizations leverage a multitude of valuable clinical solutions—providing opportunities for improved care but also creating data silos and terminology challenges. In order to aggregate, analyze, or share content in a meaningful way, it is critical to align on standardized coding systems or have mappings available across the differing definitions.

Leveraging a terminology solution requires implementing expensive systems, acquiring experienced staff, and managing extensive libraries. Until now.

### Meet J2 Managed Terminology

Leveraging CareCom's industry-acclaimed terminology solution, HealthTerm, along with hundreds of pre-built semantic coding libraries, J2 Managed Terminology delivers cloud-hosted, best-of-breed clinical terminology services to provider networks, payers, health information exchanges, and software vendors serving the healthcare industry.

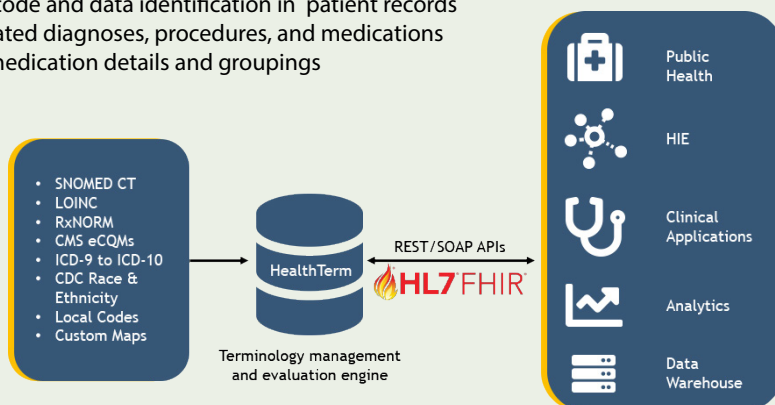
Using a hosted services to manage your semantic requirements:

- Eliminates implementation overhead
- Reduces entry-point cost barriers
- Provides flexibility to leverage internal staff or J2's in-house clinical expertise.

With J2 Managed Terminology, clients are empowered with an enterprise terminology server for lookup and semantic mapping in a run-time environment. A guided one-time setup process will get you up and running quickly with a tailored solution to meet your needs.

Enable your organization with the following functionality:

- Look up the description of a code for any code system (SNOMED CT, LOINC, RxNORM, etc.)
- Crosswalk from a local/custom code system to a standard code system
- Provide context or user-friendly synonyms for data entry or pulldown lists (e.g., "common allergies" and "OTC medications")
- Auto-map a local term to a standard code system, using cognitive intelligence to find the mapping-sensitive code and data identification in patient records
- Group related diagnoses, procedures, and medications
- Look up medication details and groupings



*Whether developed in-house or by J2, terminology solutions are easier to create, deploy, and maintain using HealthTerm.*

### J2 Managed Terminology Includes:

- Library of standard code systems, including:
  - SNOMED CT
  - LOINC
  - RxNorm
  - CMS eCQMs
  - ICD-9
  - ICD-10
  - MedDRA
  - CVX/MVX
  - CDC
- Thousands of groupings
- Initial setup and configuration
- Fully managed platform
- Standard support
- Systems maintenance
- System updates

### Available Services:

- Training
- Mentoring
- Best practices
- Custom mapping
- Data/code analysis
- Analytics
- Reporting
- Integration
- Managed validation
- Turn-key solution delivery



## What types of organizations benefit from terminology services?

Connecting healthcare applications is just the first step to making them truly interoperable. Often, the information stored in different systems adheres to different data standards. To make use of this information, it needs to be mapped using a common language. Terminology Services provides that map.

Every day, EHR vendors, analytics applications, health information exchanges, payers, and healthcare systems:

- Create, maintain, localize, and map terminologies
- Search, select, and record standardized data
- Facilitate mapping of terminology elements between applications

### According to a study by the ONC:

- \$68M in hospital billing is lost yearly due to inconsistent data semantics
- 71% of organizations have clinical data discrepancies between branch locations
- 51% of organizations have clinical data discrepancies between departments (billing vs. clinical)
- 76% of all labs send proprietary codes – NOT standard LOINC values

Many organizations, however, struggle with terminology or description mismatch across multiple systems, inhibiting semantic interoperability. For example, lab systems store information using LOINC codes. Clinical systems, like EHRs, store similar information in ICD codes for billing and SNOMED CT for clinical findings, diagnoses, and procedures, etc. Sending a LOINC code to a system that only understands ICD-10 would be completely useless.

ICD-10 Encoded Source	
Code	Text
J45.9	Asthma, unspecified
S72.0	Fracture of head and neck of femur
E84.9	Cystic fibrosis, unspecified
E06.3	Auto-immune thyroiditis

ICD-9 Encoded Source	
Code	Text
493.9	Asthma unspecified
011.2	Tuberculosis of lung with cavitation
277.0	Cystic fibrosis
244.9	Unspecified acquired hypothyroidism
255.0	Cushing's syndrome

SNOMED CT	
ID	Description
195967001	Asthma
190905008	Cystic fibrosis
581300	Fracture of neck of femur
21983002	Hashimoto thyroiditis
4093008	Hypothyroidism
154705004	Cushing's syndrome
186177005	Tuberculosis of lung with cavitation

*Different systems use different codes, like this example from SNOMED. It's essential to map them using a trusted terminology solution.*



**Big Sky Care Connect** selected a HealthTerm solution hosted by J2 because terminology services are critical for the HIE to provide consistent, normalized descriptions for diagnoses, labs, and other clinical data across all participating health systems' EHRs and coding systems.



When **Manifest MedEx** needed advanced terminology management for data normalization, mapping, and sensitive data handling, they selected HealthTerm.



**MedBox** chose J2 to integrate HealthTerm with pharmacy systems and Salesforce Health Cloud, enabling patients to more easily search MedBox's extensive database of medications, vitamins, allergies, and medical conditions.





## Technical Solution Overview

### Terminology Management Tooling & Distribution

J2 Managed Terminology provides role-based access to a full set of tools, making it easier to create and maintain various concepts and code systems while at the same time providing performance and security to handle lightning-fast run-time lookups (APIs) for some of the largest healthcare organizations in the world.

The functionality can be easily integrated into your existing healthcare applications or used as a stand-alone terminology management solution.

### Content & Subset Library

Store and manage your clinical data language and map to standard code systems to ensure you (and your consumers) are using standard, consistent, relevant data. HealthTerm's standard code library is pre-loaded with comprehensive, up-to-date mappings for standard code systems. (ICD-10, SNOMED CT, LOINC, RxNORM, etc.)

There are standard and community-sourced mapsets and subset groupings included. Some widely-used subsets include clinical quality measure value sets, condition/problem/diagnosis grouping, and special or custom customer defined subsets. The platform also supports custom local code system additions without intervention or added cost.

### Universal Browsing

The platform's advanced browser module gives users options for a "quick" view of a concept, as well as a more advanced, query-based search. With all the search capabilities, the concept details and their relationships are viewed in an easy to read format. Each concept is also linked to any applicable mapsets and subsets, giving the user a complete view of how and where it is used. The browsing functionality can be applied across all code systems or restricted to specific user types and code systems. Finally, access is role-based and can be customized to your organizational needs.

### Auto-Mapping

For local codes and custom mapping, advanced, multi-faceted algorithms wade through thousands of concepts to find the most likely results for your mapping match. The system guides you through this often-complex process. Filter, batch, assign, and move your mapping through standard or custom workflow processes. Intelligent algorithms "learn" from your mapping selections and improve the accuracy rate with every selection.

## Easy to get started

J2 Managed Terminology Service is a cloud-based platform that enables rapid and cost-effective solution delivery that traditional in-house efforts can't match.

We eliminate the need for a large investment in capital and resources associated with complex software stacks, security, frequent updates, and hardware maintenance.

Our platform is designed to support the complete application life cycle: building, testing, deploying, managing, and updating.

A simple monthly fee provides you with the platform, access, and on-going maintenance. We make it easier to build feature-rich applications and services efficiently, accelerating the time-to-market. Your focus can be shifted to creating the best solution and user experience possible.

## About J2

**Founded**  
2001

**Size**  
Employees: 155

**Headquarters**  
Boston, MA  
London, UK

**Awards**  
Best in KLAS, Technical Services  
2020, 2013/2014

Inc. Magazine's Inc. 5000 List  
2017, 2016, 2015

Modern Healthcare's Best Places  
to Work in Healthcare  
2020, 2019, 2018, 2017, 2016



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