

Advancing Community Health Access with **Generative AI Taxonomy Translation**



99.9% Faster

Assistance speed increase through automated GenAI taxonomy mapping across healthcare systems

500% More

Increase in accessible data for underserved communities through unified terminology environments



Continuous

Learning framework that evolves alongside changing healthcare and community service needs

SERVICES

-  AI Solutions
-  Data Engineering
-  Experience Design

TECHNOLOGY

-  Machine Learning Pipeline
-  Smart Data Architecture
-  Natural Language Processing
-  Predictive Analytics

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THE CHALLENGE

The Unity Foundation, a nonprofit advancing social equity and health initiatives, faced a significant challenge in delivering coordinated community care. Healthcare and social service organizations rely on different taxonomies and data standards, making it difficult to share information — leaving valuable patient and service data fragmented and inaccessible.

Object Computing developed the Taxonomy Terminology Translator (TTT), a generative AI solution designed to map and connect diverse terminology systems through natural language queries and a continuous learning framework.

The result transformed how data flows between organizations — assistance became 99.9% faster and data accessibility increased by 500% for the communities the foundation serves.

THE SHIFT

BEFORE Fragmented healthcare taxonomies and data specifications hindered collaboration and impeded efforts to provide integrated community care.

AFTER A unified terminology environment enabling 99.9% faster assistance speed and a 500% increase in data accessibility for underserved communities.

BRIDGE The Taxonomy Terminology Translator (TTT) — a GenAI solution that maps diverse healthcare taxonomies through natural language processing.

WHAT WE BUILT

FEATURES Generative AI-powered taxonomy mapping with natural language query capabilities and a continuous learning framework.

ADVANTAGES Seamlessly connects complex, disconnected healthcare taxonomies to create a unified view of patient care across organizations.

BENEFITS 99.9% increase in assistance speed and 500% increase in data accessibility for underserved populations.



Engineered to **evolve.**

Three decades of mission-critical systems, engineered for performance and agility.

Let's Talk - hello@objectcomputing.com